THE WHITMAN Companies, INC.

THOMAS PETER
V00186-2

PHASE II ENVIRONMENTAL SITE INVESTIGATION

FOR

DEXTER CHEMICAL CORPORATION
845 EDGEWATER ROAD
BRONX, NEW YORK

PREPARED BY:

THE WHITMAN COMPANIES, INC.
EAST BRUNSWICK, NEW JERSEY

WHITMAN PROJECT #97-09-10

JANUARY 1998

44 West Ferris Street, East Brunswick, New Jersey 08816

PHASE II ENVIRONMENTAL SITE INVESTIGATION
DEXTER CHEMICAL CORPORATION
BRONX, NEW YORK

1.0 INTRODUCTION

The Whitman Companies, Inc. (Whitman) performed a Phase I Environmental Site Assessment/ Preliminary Assessment at the Bronx, New York Dexter Chemical property in September 1997. During the assessment, Whitman identified several areas of potential environmental concern and recommended further investigation and/or corrective action.

Phase II environmental site investigation activities were conducted at the site on November 18, 1997. Soil and grab ground water samples were collected to investigate three (3) areas of potential environmental concern (APECs).

The three (3) APECs included:

1. 819 Edgewater Road Plant Subsurface Contamination
2. 5,000 Gallon No. 4 Heating Oil Underground Storage Tank (UST)
3. Two (2) 3,500 Gallon Isopropyl Alcohol USTs

Following laboratory analysis, the ground water and soil sample results were compiled and compared to current New York State Department of Environmental Conservation (NYSDEC) cleanup objectives and standards/criteria. The result of this review indicates the presence of ground water and soil contaminants at concentrations above the baseline NYSDEC recommended Soil Cleanup Objectives and Ground Water Standards/Criteria.

2.0 SITE DESCRIPTION

The site is located at 819-845 Edgewater Road and 810-842 Whittier Street, Bronx, New York. The facility consists of six (6) buildings owned by Dexter Chemical Corporation on approximately two (2) acres. The property is located in an industrial/manufacturing district of Hunts Point, Bronx, New York. Light industrial facilities are located north and south of the property. A scrap metal yard is located to the east and residential apartments are located west of the subject property.

The site location on the U.S.G.S. Central Park Quadrangle is indicated on Figure 1. A site map showing soil sample locations is included as Figure 2. The site is located on a flat coastal peninsula. The estimated elevation is between 20 and 25 feet above mean sea level. The nearest surface water

body is the Bronx River, located approximately 1,000 feet east of the site. Ground water was encountered at 4.3 to 5 feet below the 819 Edgewater Road plant floor.

The regional geology in the vicinity of the site is of Paleozoic Era, Ordovician System consisting of shale and limestone.

The soil encountered at the site through sampling activities generally consists of fill material including silty soil, some sand and clay, cinders, coal fragments, gravel and debris (concrete, glass, wood, and brick fragments). The soil profiles are presented in the soil boring logs included as Attachment I to this report.

3.0 TECHNICAL OVERVIEW

The Phase II Site Investigation activities were conducted in accordance with generally accepted sampling practices. Throughout the investigation, all samples were collected with proper attention to quality assurance protocols and decontamination of sampling tools and implements.

Upon arrival on November 18, 1997, Whitman technical staff marked out the approximate locations of the 5,000 gallon UST in the 819 Edgewater Road court yard and the two (2) 3,500 gallon isopropyl alcohol tanks in the 842 Whittier Street yard using a Schonstedt MAC-51B Magnetic Locator.

Nine (9) soil borings were advanced by M&R Soil Investigations, Egg Harbor City, New Jersey using a GeoProbe device. Soil samples were collected from three (3) feet long steel spoons lined with a disposable plastic liner. Ground water samples were collected from temporary one (1) inch PVC well points which were sealed after sampling, using disposable bailers. Six (6) soil and three (3) grab ground water samples were collected for analysis at a NYS certified laboratory.

During the collection of each soil boring, Whitman's technical staff field screened the soil with a calibrated Photoionization Detector (PID) for volatile compounds. PID readings and visual observation were used to determine soil sample depths.

The sample analysis was performed by Envirotech Research, Inc., Edison, New Jersey a NYS Department of Health certified laboratory (ELAP# 11452).

The NYSDEC recommended Soil Cleanup Objectives and Ground Water Standards/Criteria dated January 24,1994, were used as the basis for evaluating the analytical results for soil and ground water sampling on the subject site. Where values for metals in ground water were not available in the 1994 revision, the 1993 NYSDEC objectives and standards/criteria were used.

4.0 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Through the information obtained from the Phase I Environmental Assessment/Preliminary Assessment, the following APECs with respect to soil contamination and ground water were identified.

1. 819 Edgewater Road Plant Subsurface Contamination
2. 5,000 Gallon No. 4 Heating Oil UST
3. Two (2) 3,500 Gallon Isopropyl Alcohol USTs

5.0 RESULTS OF SOIL AND GROUND WATER INVESTIGATION

5.1 819 Edgewater Road Plant (APEC 1)

5.1.1 Background and Sampling

In the Phase I Environmental Assessment/Preliminary Assessment, Whitman reported a concern for discharges to the ground underlying broken portions of the concrete floor in the chemical batch processes area. There was also concern regarding the prior historical paint manufacturing operations at Building A (819 Edgewater Road) which may have resulted in subsurface contamination.

Three (3) borings were drilled through the concrete floor inside the 819 Edgewater Road plant. Six (6) samples (three (3) soil and three (3) ground water) were collected to test for USEPA Priority Pollutant Metals (PPMetals), PCBs, Volatile Organic Compounds +10 (VO+10) and Base/Neutral Extractable Organic Compounds +15 (BN+15). Soil sample ISB-1 was collected at a depth of 7 to 9 feet, ISB-2 at 1 to 1.5 feet and ISB-3 at 3 to 4 feet below the concrete floor based on field observations. (The sample intervals collected varied due to sample recovery). The samples for VO+10 analysis were collected at depths ranging from 7 to 9 feet. Ground water was encountered at a depth ranging from 4.3 to 5 feet below the building floor. The sample locations are indicated on Figure 2.

The PID field readings from the soils ranged from 0.0 ppm to 640 ppm. The highest readings for each boring were as follows:

Boring ISB-1, 178 ppm at a depth of 1.5 to 3.5 feet
Boring ISB-2, 114 ppm at a depth of 0.5 to 3 feet
Boring ISB-3, 640 ppm at a depth of 6 to 9 feet

5.1.2 Analytical Results

5.1.2.1 Introduction

The analytical results indicated the presence of VO+10, BN+15 and PPMetal contamination in soil and ground water samples in excess of the NYSDEC 1993 and 1994 Recommended Soil Cleanup Objectives and Ground Water Standards/Criteria. Analytical results are presented in Tables 1 through 8. Analytical data sheets are included as Attachment 2. The laboratory QA/QC documentation is included as Volume 2.

5.1.2.2 Soil

The following soil contaminants were detected in ISB-1 and ISB-3 in the soil at concentrations exceeding the NYSDEC 1994 Recommended Soil Cleanup Objectives (NYRSCO). The contaminant concentrations are presented in parenthesis. The sample location is included in parenthesis if the contaminant was only detected in one (1) location. If the contaminant was found in more than one location, a range of concentrations is presented.

VO+10	BN+15
Ethylbenzene (ISB-3, 19,000 ppb)	Naphthalene (ISB-1, 28,000 ppb)
Xylene (26,000-79,000 ppb)	1,2,4-Trichlorobenzene (6,100-18,000 ppb)
Chlorobenzene (ISB-3, 260,000 ppb)	

No contaminants exceeding NYRSCO were detected in ISB-2 and PCBs were not detected in any sample.

A library search of TICs was conducted for the three (3) soil samples. The total estimated concentrations of the Volatile Organic TICs ranged from 1,809,000 ppb to 3,030,000 ppb, most of which were unknown alkanes and hydrocarbons. The total estimated concentrations of the Base/Neutral Extractable TICs ranged from 10,900 ppb to 2,130,000 ppb, most of which were alkanes and nonylphenol isomers.

5.1.2.3 Ground Water

The following is a compilation of contaminants detected in the ground water samples ISB-1, ISB-2, and ISB-3, at concentrations exceeding the NYSDEC 1993 and 1994 Ground Water Standards/Criteria.

VO+10	BN+15	PPMetals
1,2-Dichloropropane (6.1-19 ppb)	Diethylphthalate(ISB-1, 160 ppb)	Beryllium (ISB-3, 3.3 ppb)
Toluene (17-52 ppb)	Naphthalene (66-140 ppb)	Lead (499-935 ppb)
Ethylbenzene(34-100ppb)	1,2-Dichlorobenzene(28-320 ppb)	Zinc (501-1,210 ppb)
Benzene (3.6-76 ppb)	1,3-Dichlorobenzene(ISB-3, 260 ppb)	Antimony(ISB-1, 22.1 ppb)
Chlorobenzene (17-5,200 ppb)	1,4-Dichlorobenzene (ISB-3, 2,000 ppb)	Chromium (54.7-66.1 ppb)
Xylene (120-730 ppb)	1,2,4-Trichlorobenzene(32-1,300 ppb)	Mercury (ISB-1, 7.9)
		Selenium (ISB-2, 11.2 ppb)
		Copper (265-298 ppb)

A library search of Tentatively Identified Compounds (TICs) was conducted for the three (3) ground water samples. The total estimated concentrations for the Volatile Organic TICs ranged from 1,033 ppb to 2,770 ppb, most of which were isomers of benzene compounds. The total estimated concentrations for the Base/Neutral Extractable TICs ranged from 2,770 ppb to 6,160 ppb, most of which were isomers of benzene compounds and unknown alkanes.

5.1.3 Conclusions and Recommendations

The analytical results indicated the presence of several VO+10, BN+15, and PP Metal contaminants in the soil and the ground water in excess of the NYSDEC 1993 and 1994 Recommended Soil Cleanup Objectives and Ground Water Standards/Criteria. The PID field readings from the soils ranged from 0.0 ppm to 640 ppm at depths between 0 to 9 feet. The soil boring logs, in Attachment 1, indicate the presence of historic fill. The presence of BNs and PPMetals is common in historic fill while the VOs may be derived from past operations of the prior paint manufacturing operation. The results and observations from the other APECs indicate the potential presence of soil contamination across the site from historic fill.

Based on the analytical results and field observations, additional sampling of soil and ground water is needed to determine the extent of the contamination detected in this area. The further investigation of ground water quality should be conducted by installing and sampling ground water monitoring wells. Additional soil samples should be collected by means of soil borings around the Dexter facility to determine the extent of the soil contamination. The proposed soil and ground water sampling activities are detailed in Section 6, Recommended Sampling Plan.

5.2 5,000 Gallon No. 4 Heating Oil UST (APEC 2)

5.2.1 Background and Description of Sampling

The approximate location of the UST was marked out using a magnetic locator in a conductive trace mode. A metal plug was noted on the concrete surface in the vicinity of the heating oil tank. Plant personnel indicated that they believe the plug was installed as an access point to facilitate integrity testing of the UST. They also indicated that additional USTs were once located in the 819 Edgewater Road court yard.

Three (3) soil borings were drilled through the asphalt pavement around the 5,000 gallon No. 4 heating oil UST located in the northwest corner of the yard B, as shown on Figure 2. A soil sample was collected from each boring and tested for BN+15. Due to the presence of subsurface fill and concrete, several boring locations met refusal and were relocated to locations where the borings could be advanced. Samples were taken on the north, east, and south sides of the tank. Sample HO-1 was collected from a depth of 3 to 4 feet, HO-2 and HO-3 at a depth of 4 to 6 feet. The character of the fill material was consistent throughout each of the borings. The sample depths were based on field observations and screening of the borings to depths of 12 feet below grade. Water saturated soil was encountered at a depth of approximately 6 to 7 feet below grade. The sample locations are indicated on Figure 2.

The PID Field readings from the soils ranged from 0 ppm to 167 ppm. The highest readings for each boring were as follows:

Boring HO-1, 148 ppm at a depth of 3 to 4 feet
Boring HO-2, 143 ppm at a depth of 3.5 to 5.5 feet
Boring HO-3, 167 ppm at a depth of 3 to 6 feet

5.2.2 Analytical Results

The analytical results indicate the presence of the following Base Neutrals in soils at concentrations exceeding their respective NYRSCO: Benzo(a)anthracene (HO-3, 380 ppb), Chrysene (HO-3, 870 ppb) and Benzo(a)pyrene (HO-2, 100 ppb and HO-3, 180 ppb). These materials are indicative of historic fill. No BNs were detected in sample HO-1 above the NYRSCO.

A library search of TICs was conducted on the three (3) soil samples. The total estimated concentrations of the Base/Neutral Extractable TICs ranged from 226,000 ppb to 369,000 ppb, most of which were unknown alkanes.

The analytical results are presented in Tables 5 through 8. Analytical data sheets are included as Attachment 2. The laboratory QA/QC documentation is included as Volume 2.

5.2.3 Conclusions and Recommendations

The analytical results indicate the presence of three (3) historic fill related BN+15 compounds (Benzo(a)anthracene, Chrysene, and Benzo(a)pyrene) in the soil in excess of the NYSDEC 1994 Recommended Soil Cleanup Objectives. The PID field readings from the soils ranged from 0.0 ppm to 167 ppm at depths between 0 to 9 feet. No free product (heating oil) was observed in the borings. The soil boring logs, in Attachment 1, indicate the presence of historic fill.

Analytical results of soil borings in the vicinity of the 5,000 gallon No. 4 heating oil tank, field observations, and PID readings provide evidence that there was no major leak or discharge from this tank. While borings cannot detect oil which may have discharged directly beneath the tank, the three samples taken from borings adjacent to the tank show no evidence of significant horizontal migration of heating oil. Therefore, if any discharge did occur, its effects are likely to have been very minor.

Due to the age of the 5,000 gallon No. 4 heating oil tank, and Dexter's desire to eliminate potential future environmental liabilities, it is recommended that this tank be removed in concert with the sampling program proposed in Section 6.0 of this report, and that appropriate soil sampling be performed to document the closure of the tank for regulatory purposes. It should be noted that the area where the tank is situated is in a paved, accessible yard.

The presence of BNs identified in the soil samples is common in historic fill while the Volatile Organics indicated by the high PID readings may be derived from historic operations. Based on the analytical results and field observations, additional soil sampling is recommended to confirm whether the VOs in this area are the same as found beneath building 819. The further investigation of the historic fill related contamination is also proposed. The proposed sampling activities are detailed in Section 6, Recommended Sampling Plan.

5.3 Two (2) 3,500 Gallon Isopropyl Alcohol USTs

5.3.1 Background and Description of Sampling

Two (2) 3,500 gallon isopropyl alcohol USTs are located in the 842 Whittier Street yard. Dexter is planning on replacing the two (2) tanks in the near future. Whitman suggested PID screening of the soil in the vicinity of these two (2) USTs to assess whether product leakage occurred.

Three (3) observation borings were drilled around the isopropyl alcohol tanks in the 842 Whittier Street yard. The soil borings were field screened with a PID for the presence of volatile compounds. The soil column from boring ITA-1 was screened from the surface to a depth of 9 feet,

and borings ITA-2 and ITA-3 were screened to a depth of 12 feet. Ground water saturated soil was encountered at a depth of approximately 6 to 7 feet below grade.

5.3.2 Field Screening Results

The PID field readings from soil borings ITA-2 and ITA-3 were 0.0 ppm from 0 to 6 feet below grade and ranged from 6.8 ppm to 36 ppm at depths of 6 to 9 feet. The highest readings for each boring were as follows:

Boring ITA-1, 0.0 ppm at depths from 0 to 9 feet
Boring ITA-2, 36 ppm at a depth of 7 to 9 feet
Boring ITA-3, 16.1 ppm at a depth of 6 to 7.5 feet

5.3.3 Conclusions and Recommendations

The PID field readings from two (2) of the three (3) soil borings ranged from 0 ppm to 36 ppm at depths between 0 to 9 feet. The soil boring logs, in Attachment 1, indicate the presence of historic fill. Ground water saturated soil was observed between 6 feet and 7 feet below grade. The presence of VOs indicated by the PID readings detected near the ground water level may be derived from several potential sources and therefore the sampling data are inconclusive. Such sources may include the isopropyl alcohol tanks but may also include migrating ground water contaminants or historic operations.

Whitman evaluated 1993 sample data collected by Enviro-Sciences, Inc., from a tank excavation (5,500 gallon Isopar UST and 3,500 gallon #2 fuel oil UST) in the 842 Whittier Street yard. Six (6) soil samples were collected in January 1993 around the excavation site and analyzed for BN+15. Several BNs were detected. The BNs detected were similar to the ones found in the 819 Edgewater yard and included Benzo(a)anthracene, Chrysene, and Benzo(a)pyrene.

Based on the PID readings and field observations by Whitman in November 1997, additional soil sampling is recommended to verify and/or identify the VOs in this area. The further investigation of the historic fill related contamination is also proposed. The proposed sampling activities are detailed in Section 6, Recommended Sampling Plan.

6.0 RECOMMENDED SAMPLING PLAN

The results of the soil sampling activities conducted by Whitman at the Dexter Chemical, 819 Edgewater Road/842 Whittier Street facility indicated the presence of soil and ground water contamination above the NYDEC Soil and Ground Water Cleanup Objectives. Several contaminants including Volatile Organic Compounds, Base/Neutral Extractable Compounds, and PPMetals were detected. The analytical results and field observations for the 819 Edgewater Road plant, 819 Edgewater Road yard and 842 Whittier Street yard indicated the presence of contaminants which may have originated from one or more of the following sources: 1) historic operations, 2) historic fill, or 3) off site sources.

Whitman recommends further investigation of the Dexter facility to determine the extent of soil and ground water contamination across the site, assess the possibility of off site sources, determine the direction of ground water flow, and assess the potential need for cleanup. Due to the ubiquitous nature of the historic fill related contamination detected in the three (3) APECs, the entire site will be addressed as one APEC at this time. The recommended sampling activities are detailed below. The results of the recommended sampling activities will be presented in a sampling results report along with any recommended further actions. The report of the proposed sampling will be structured for eventual submittal to NYSDEC.

6.1 Soil

A soil investigation will be conducted to delineate the presence of BN+15 and PPMetals in historic fill and potential presence of VO+10 contamination throughout the 819 Edgewater Road/842 Whittier Street plant areas. Seventeen (17) soil borings will be made using a Geoprobe sampling device. Monitoring well cuttings (soil) will also be sampled with stainless steel split spoons at perimeter and on site locations. One (1) soil sample will also be collected at each monitoring well. Two (2) soil samples will be collected at each boring, one (1) sample above and one (1) at the estimated ground water elevation. At four (4) selected locations, deeper soil samples will be collected of natural soil, where encountered. Each soil sample will be analyzed for VO+10, BN+15 and PPMetals by a NYS DOH certified laboratory. Eight (8) of the samples will also be analyzed for Total Organic Carbon (TOC). Two (2) soils in the Isopropyl Alcohol tank area will be analyzed for isopropyl alcohol. The proposed boring locations are indicated on Figure 3.

6.2 Ground Water

A full ground water investigation will be conducted by installing six (6) monitoring wells to accurately characterize ground water quality and flow across the site.

Six (6) monitoring wells will be installed by a subcontracted drilling company licensed in New York State. Four (4) wells will be installed on the perimeter of the 819 Edgewater Road/842 Whittier Street plant areas, two up-gradient and two down-gradient. Two (2) wells will be installed within the Dexter property, one (1) in the 819 Edgewater Road yard and one(1) in the 842 Whittier Street yard where evidence of potential ground water contamination was observed. The wells will be sampled two (2) weeks after installation using a micro-purge method of ground water recovery. Samples will be collected from each well and analyzed for VO+10, BN+15, and PPMetals by a NYS DOH certified laboratory. One (1) sample in the Isopropyl tank area will be analyzed for Isopropyl Alcohol. Field analysis will be conducted for ground water pH, temperature, conductivity and dissolved oxygen. Well cuttings (soil removed during well installation) will be drummed and sampled for disposal analysis. A survey of well elevations will be conducted to determine ground water flow direction. The recommended well locations are indicated on Figure 3.

7.0 COST

The following is an estimate of the cost to conduct the Recommended Sampling Plan. The actual cost to conduct the site investigation will be dependent on actual site conditions.

	Activity	Estimated Cost
1.	Soil Sampling (assume 2 days)	
1.1	GeoProbe Contractor	$ 3,400
1.2	Sampling Personnel	2,400
1.3	Field Equipment and Sample Supplies	900
1.4	Sample Analysis (includes QA/QC samples)	23,600[1]
	Subtotal-Soil Sampling	**$30,300**
2.	Monitoring Well Installation (assume 2 days)	
2.1	Well Installation (six wells)	$ 8,400
2.2	Hydrogeologist Oversight	1,200
2.3	Field Equipment	600
2.4	Survey Well Elevations and Perform In-Well Testing	2,000
2.5	Well Cuttings Analysis and Disposal	3,000[2]
	Subtotal-Monitoring Well Installation	**$15,300**
3.	Ground Water Sampling	
3.1	Sampling Personnel	$1,300
3.2	Field Equipment & Sample Supplies	500
3.3	Sample Analysis (includes QA/QC samples)	3,800[1]
3.4	Downgradient Receptors	1,000
	Subtotal-Ground Water Sampling	**$6,600**
4.	Data Evaluation/Report Preparation	**$5,000**
5.	Project Management (5%)	**$2,800**
6.	Additional Activities Approved by Dexter (i.e., meetings)	As Needed
	Total Estimated Cost	**$60,000**

Notes:

1 - Laboratory cost based on standard turnaround of 3 weeks. Laboratory turnaround can be expedited for the following surcharges: 2 weeks- 10%, 1 week- 25%, and 3-4 days- 50%.

2 – Cost provided for budgeting purpose. Well cuttings disposal costs will depend on quantity of soil generated and disposal classification as non-hazardous according to the EPA RCRA regulations.

8.0 SCHEDULE

The following schedule is anticipated to conduct the Recommended Sampling Plan. The logistics of conducting the on-site activities will be coordinated with Dexter Chemical Corp.

	Activity	Weeks from Authorization
1.	Schedule Subcontractors and Apply for Permits	0
2.	Monitoring Well Installation and Soil Sampling	2
3.	Ground Water Sampling and Survey Well Elevations	4
4.	Receive Soil Sample Results	6
5.	Receive Ground Water Sample Results	8
6.	Evaluate Data and Prepare Report	11-13

This schedule can be expedited by 2-3 weeks by paying premium rates for sample analysis by the certified laboratory.

TABLES

TABLE 1

Dexter Chemical Corporation
Summary of Volatile Organic Results For Ground Water

Sample ID Lab Sample Number Sampling Date Units	1994 NYSDEC Ground Water Standards/Criteria ug/l	ISB-1-GW 32219 11/18/97 ug/l	ISB-2-GW 32220 11/18/97 ug/l	ISB-3-GW 32221 11/18/97 ug/l	FB-11-18 32222 11/18/97 ug/l	TB-11-18 32223 11/18/97 ug/l
VOLATILE COMPOUNDS						
Chloromethane	NS	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene V079	NS	62	2.7	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND
1,2-Dichloropropane V083	5	**19**	**6.1**	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND
Trichloroethene	5	ND	1.6	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND
Benzene	0.7	**76**	**3.6**	**31**	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	NS	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	2	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
Toluene	5	**52**	**17**	ND	ND	ND
Chlorobenzene V037	5	**130**	**17**	**5200**	ND	ND
Ethylbenzene	5	**94**	**34**	**100**	ND	ND
Xylene (Total)	5	**730**	**120**	**390**	ND	ND
Total Confident Conc. VOAs (s)		1163	204	5721	0	0
Total Estimated Conc. VOA TICs (s)		1939	1033	2770	0	0

bold - Results above 1994 NYSDEC Ground Water Standards/Criteria
ND - None Detected
NS - No Standard
ISB - Interior Soil Boring (819 Edgewater Road Plant)
FB - Field Blank
TB - Trip Blank

TABLE 2

Dexter Chemical Corporation
Summary of Base/Neutral Extractable Organics Results For Ground Water

Sample ID	1994 NYSDEC	ISB-1-GW	ISB-2-GW	ISB-3-GW	FB-11-18
Lab Sample Number	Ground Water	32219	32220	32221	32222
Sampling Date	Standards/Criteria	11/18/97	11/18/97	11/18/97	11/18/97
Units	ug/l	ug/l	ug/l	ug/l	ug/l
BASE NEUTRALS					
N-Nitrosodimethylamine	NS	ND	ND	ND	ND
bis(2-Chloroethyl) ether	NS	ND	ND	ND	ND
1,3-Dichlorobenzene U071	5	ND	ND	**260**	ND
1,4-Dichlorobenzene U072	5	ND	ND	**2000**	ND
1,2-Dichlorobenzene U070	4.7	**28**	ND	**320**	ND
bis(2-chloroisopropyl) ether	NS	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	NS	ND	ND	ND	ND
Hexachloroethane	NS	ND	ND	ND	ND
Nitrobenzene	5	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	NS	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	**32**	**32**	**1300**	ND
Naphthalene	10	**140**	ND	**66**	ND
Hexachlorobutadiene	NS	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND
Acenaphthylene	20	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	ND	ND	ND	ND
Diethylphthalate U088	50	**160**	ND	33	ND
4-Chlorophenyl-phenylether	NS	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND
N-Nitrosodiphenylamine	NS	ND	ND	ND	ND
4-Bromophenyl-phenylether	NS	ND	ND	ND	ND
Hexachlorobenzene	0.35	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND
Benzidine	NS	ND	ND	ND	ND
Butylbenzylphthalate	50	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NA	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND
Benzo(a)pyrene	0.002	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND
Dibenz(a,h)anthracene	50	ND	ND	ND	ND
Benzo(g,h,i)perylene	5	ND	ND	ND	ND
Total Confident Conc. BN (s)		360	32	3979	0
Total Estimated Conc. BN TICs (s)		6160	8290	14530	0

Bold - Results above 1994 NYSDEC Ground Water Standards/Criteria
ND - None Detected
NS - No Standard
NA - Standard not available for this constituent
J - Compounds present below laboratory quantitation limits
ISB - Interior Soil Boring (879 Edgewater Road Plant)
FB - Field Blank

TABLE 3

Dexter Chemical Corporation
Summary of Total Polychlorinated Biphenyls (PCBs)
Results For Ground Water

Sample ID Lab Sample Number Sampling Date Units	1994 NYSDEC Ground Water Standards/Criteria ug/l	ISB-1-GW 32219 11/18/97 ug/l	ISB-2-GW 32220 11/18/97 ug/l	ISB-3-GW 32221 11/18/97 ug/l	FB-11-18 32222 11/18/97 ug/l
TOTAL PCBs	0.1	ND	ND	ND	ND

- Results above 1994 NYSDEC Ground Water Standards/Criteria
ND - None Detected
ISB - Interior Soil Boring

TABLE 4

Dexter Chemical Corporation
Summary of Priority Pollutant Metal
Results For Ground Water

Sample ID	1993 NYSDEC	ISB-1-GW	ISB-2-GW	ISB-3-GW	FB-11-18
Lab Sample Number	Cleanup Criteria	32219	32220	32221	32222
Sampling Date	For Ground Water	11/18/97	11/18/97	11/18/97	11/18/97
Units	ug/l	ug/l	ug/l	ug/l	ug/l
PRIORITY POLLUTANT METALS					
Antimony	3	22.1	ND	ND	ND
Arsenic	*NS	18	38.7	30.5	ND
Beryllium	3	0.38	2.4	3.3	ND
Cadmium	10	ND	1.1	ND	ND
Chromium	50	58.7	54.7	66.1	ND
Copper	200	298	265	176	ND
Lead	25	935	917	499	ND
Mercury	2	7.9	1.3	0.91	ND
Nickel	NS	48.4	58.7	69.7	ND
Selenium	10	ND	11.2	ND	ND
Silver	50	1.7	2.9	1.4	ND
Thallium	4	ND	ND	ND	ND
Zinc	300	215	1210	501	ND

- Results above 1993 NYSDEC Cleanup Criteria for Ground Water
ND - None Detected
NS - No Standard
ISB - Interior Soil Boring (819 Edgewater Road Plant)
FB - Field Blank
* - NYSDEC 1992 Cleanup Standards listed Arsenic at 25 ug/l

TABLE 5

Dexter Chemical Corporation
Summary of Volatile Organic
Results For Soil

Sample ID	1994 NYSDEC	ISB-1	ISB-2	ISB-3
Lab Sample Number	Rec. Soil	32211	32213	33215
Sampling Date	Cleanup	11/18/97	11/18/97	11/18/97
Sample Depth (feet)	Objective	7-9'	7-8'	7-8'
Units	ug/kg	ug/kg	ug/kg	ug/kg
VOLATILE COMPOUNDS				
Chloromethane	1900	ND	ND	ND
Bromomethane	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND
Chloroethane	1900	ND	ND	ND
Methylene Chloride	6000	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
1,1-Dichloroethene	400	ND	ND	ND
1,1-Dichloroethane	200	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND
Chloroform	300	ND	ND	ND
1,2-Dichloroethane	100	ND	ND	ND
1,1,1-Trichloroethane	800	ND	ND	ND
Carbon Tetrachloride	600	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND
Trichloroethene	700	ND	ND	ND
Dibromochloromethane	NA	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Benzene	60	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Tetrachloroethene	1400	ND	ND	ND
1,1,2,2-Tetrachloroethane	600	ND	ND	ND
Toluene	1500	ND	ND	ND
Chlorobenzene	1700	ND	ND	260000
Ethylbenzene	5500	3100	ND	19000
Xylene (Total)	1200	26000	ND	79000
Total Confident Conc.		29100	0	358000
Total Estimated Conc. VOA TICs (s)		1809000	1218000	3030000

- Detection Limits above 1994 NYSDEC Rec. Soil Cleanup Objective
NS - No Standard for Individual Contaminant
ND - None Detected
ISB - Interior Soil Boring (819 Edgewater Road Plant)

TABLE 6

Dexter Chemical Corporation
Summary of Base/Neutral Extractable Organic Results
For Soil

Sample ID	1994 NYSDEC	ISB-1	ISB-2	ISB-3	HO-1	HO-2	HO-3
Lab Sample Number	Rec. Soil	32211	32212	33214	33216	32217	32218
Sampling Date	Cleanup	11/18/97	11/18/97	11/18/97	11/18/97	11/18/97	11/18/97
Sampling Depth (feet)	Objective	7-9'	1-1.5'	3-4'	3-4'	4-6'	4-6'
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
BASE NEUTRALS							
N-Nitrosodimethylamine	NS	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl) ether	NS	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1600	ND	30J	1300J	ND	ND	ND
1,4-Dichlorobenzene	8500	1200J	43J	2800J	ND	ND	ND
1,2-Dichlorobenzene	7900	4600	290J	4500	ND	ND	ND
bis(2-chloroisopropyl) ether	NS	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	NS	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	ND	ND	ND	ND	ND	ND
Nitrobenzene	200	ND	ND	ND	ND	ND	ND
Isophorone	4400	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	NS	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3400	**18000**	3300	**6100**	ND	ND	ND
Naphthalene	13000	**28000**	320	520	5600	510	620
Hexachlorobutadiene	NS	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2000	ND	ND	ND	ND	ND	ND
Acenaphthylene	41000	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1000	ND	ND	ND	ND	ND	ND
Acenaphthene	50000	400	ND	ND	270	ND	90J
2,4-Dinitrotoluene	NS	ND	ND	ND	ND	ND	ND
Diethylphthalate	7100	1800J	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND
Fluorene	50000	400	ND	ND	220	ND	190
N-Nitrosodiphenylamine	NS	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	410	ND	ND	ND	ND	ND	ND
Phenanthrene	50000	1500	28J	ND	600	150	1100
Anthracene	50000	89J	ND	ND	ND	ND	81J
Di-n-butylphthalate	8100	ND	ND	ND	ND	ND	ND
Fluoranthene	50000	390	51	110J	110J	190	660
Pyrene	50000	360	45	130J	140J	220	520
Benzidine	NS	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50000	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NA	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224	210	40	ND	ND	160	**380**
Chrysene	400	110J	31J	ND	ND	120	**870**
bis(2-Ethylhexyl)phthalate	50000	1200J	530	ND	ND	ND	ND
Di-n-octylphthalate	50000	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1100	ND	40J	ND	ND	140	ND
Benzo(k)fluoranthene	1100	ND	18J	ND	ND	66J	ND
Benzo(a)pyrene	61	ND	ND	ND	ND	**100**	**180**
Indeno(1,2,3-cd)pyrene	3200	ND	ND	ND	ND	57J	150J
Dibenz(a,h)anthracene	14	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	50000	ND	ND	ND	ND	51J	150J
Total Confident Conc. BN (s)		53860	4286	11120	6690	1590	4520
Total Estimated Conc. BN TICs (s)		2130000	354500	10900	369000	226000	336000

- Results above 1994 NYSDEC Rec. Soil Cleanup Objective
ND - None Detected
NS - *No Standard for Individual Contaminant*
TIC - Tentatively Identified Compounds
J - The result is less than detection limit, but greater than zero
ISB - Interior Soil Boring (879 Edgewater Road Plant)
HO - Heating Oil (819 Edgewater Road Court Yard)

TABLE 7

Dexter Chemical Corporation
Summary of Total Polychlorinated Biphenyls (PCBs)
Results For Soil

Sample ID Lab Sample Number Sampling Date Sample Depth Units	1994 NYSDEC Rec. Soil Cleanup Objective (Sub-surface) (mg/kg)	ISB-1 32211 11/18/97 7-9 mg/kg	ISB-2 32212 11/18/97 1-1.5 mg/kg	ISB-3 32214 11/18/97 3-4 mg/kg
TOTAL PCBs	10	ND	ND	ND

- Results above 1994 NYSDEC Rec. Soil Cleanup Objective (Subsurface)

ND - None Detected

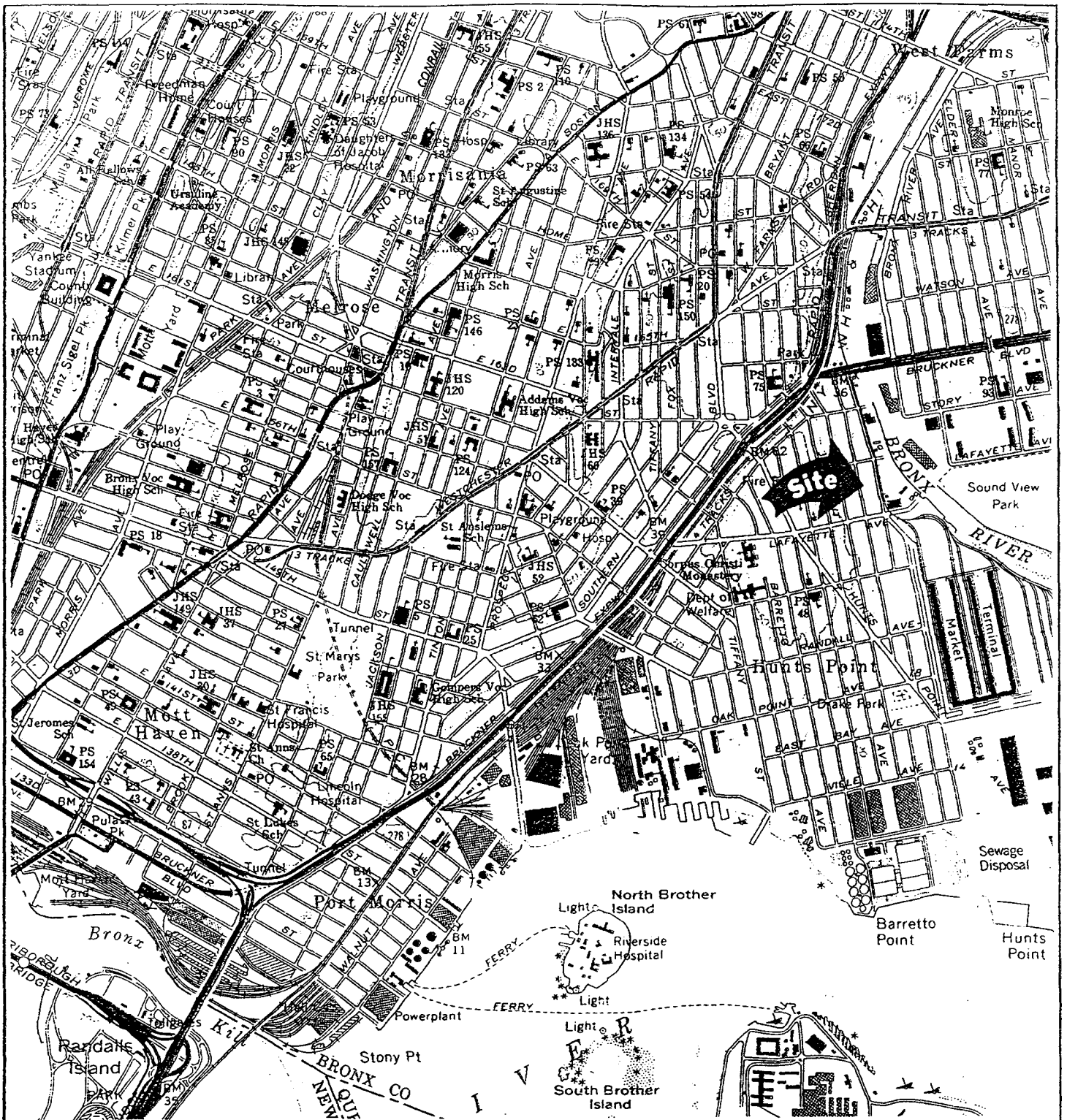
ISB - Interior Soil Boring (819 Edgewater Plant)

TABLE 8

Dexter Chemical Corporation
Summary of Priority Pollutant Metal
Results For Soil

Sample ID	1994 NYSDEC	ISB-1	ISB-2	ISB-3
Lab Sample Number	Rec. Soil	32211	32212	32214
Sampling Date	Cleanup	11/18/97	11/18/97	11/18/97
Sample Depth	Objective	7-9'	1-1.5'	3-4'
Units	mg/kg	mg/kg	mg/kg	mg/kg
PRIORITY POLLUTANT METALS				
Antimony	SB	12.4	ND	ND
Arsenic	7.5 or SB	5.8	2	3.1
Beryllium	0.16 or SB	0.23	0.52	0.47
Cadmium	1 or SB	**0.44**	ND	ND
Chromium	10 or SB	**18.6**	**19**	**16.1**
Copper	25 or SB	**194**	17.7	**26**
Lead	*SB	569	21.3	47.8
Mercury	0.1	**0.64**	0.06	**0.19**
Nickel	13 or SB	**14.2**	**17.2**	**14.2**
Selenium	2 or SB	ND	ND	ND
Silver	SB	0.46	ND	ND
Thallium	SB	ND	ND	ND
Zinc	20 or SB	**111**	**49.3**	**72.9**

- Results above 1994 NYSDEC Rec. Soil Cleanup Objective
ND - None Detected
NS - No Standard
ISB - Interior Soil Boring (819 Edgewater Road Plant)
SB - Site Background
*Lead - Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.



SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

MN GN

10 1/2° 187 MILES 0°07' 2 MILES

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

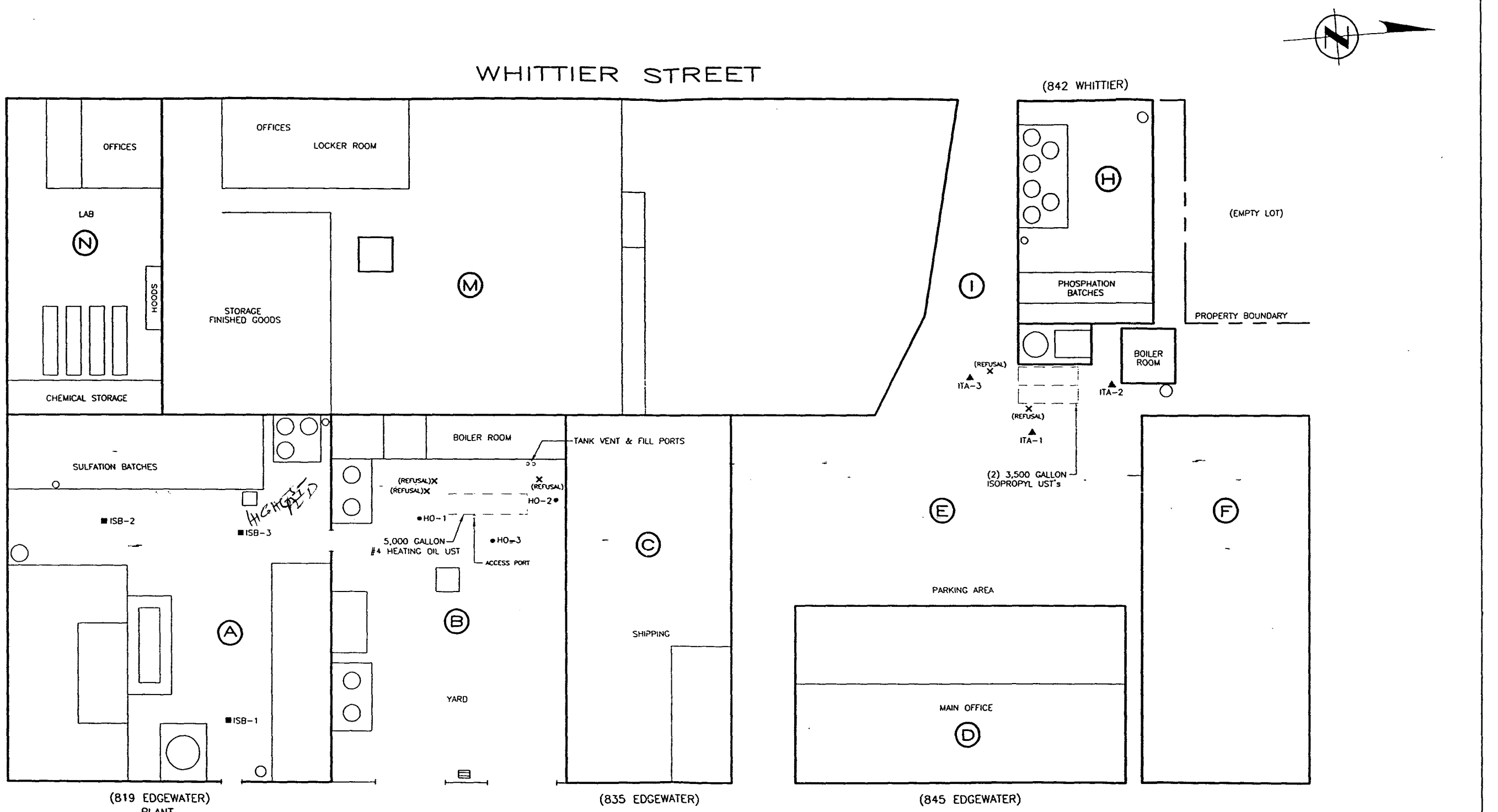
QUADRANGLE LOCATION

THE WHITMAN CompanieS, INC.

845 EDGEWATER ROAD
BRONX, NEW YORK

SITE LOCATION ON USGS
CENTRAL PARK QUADRANGLE

ORIG. BY: TP	DWG. BY: S. Smith	CHK. BY: TP
DWG.#: 970910	DATE: SEPT 1997	FIGURE: 1

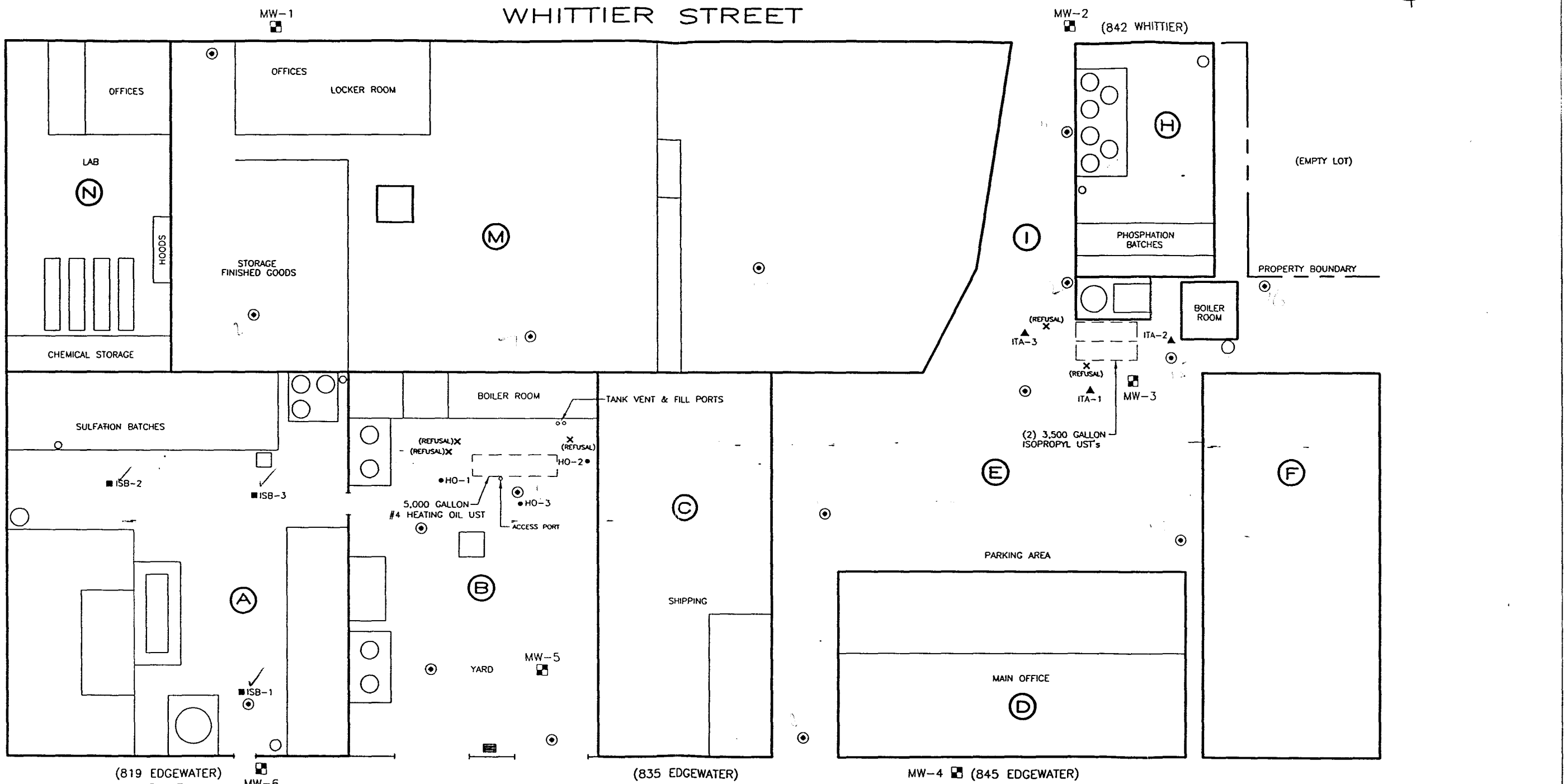


LEGEND

- (A) – IDENTIFICATION TAG
- ITA-1▲ – (ISOPROPYL TANK) SAMPLE LOCATION
- HO-1● – (HEATING OIL TANK) SOIL SAMPLE LOCATION
- (REFUSAL)X – REFUSED SOIL BORING LOCATION
- ISB-1■ – (INTERIOR) SOIL BORING LOCATION

0 30 60
SCALE IN FEET

THE WHITMAN Companies, INC.	DEXTER CHEMICAL CORPORATION BRONX, NEW YORK	
	SITE MAP & SOIL SAMPLE LOCATIONS	
ORIG. BY: TP	DWG. BY: S. Smith	CHK. BY: TP
DWG.#: 970910AA	DATE: OCT 1997	FIGURE: 2



LEGEND

- (A) – IDENTIFICATION TAG
- ITA-1▲ – ISOPROPYL ALCOHOL TANK SAMPLE LOCATION
- HO-1● – HEATING OIL TANK SOIL SAMPLE LOCATION
- (REFUSAL)× – REFUSED SOIL BORING LOCATION
- ISB-1■ – INTERIOR SOIL BORING LOCATION
- MW-1▣ – PROPOSED GROUNDWATER MONITORING WELL
- ⊙ – PROPOSED SOIL BORING LOCATION

0 30 60
SCALE IN FEET

THE WHITMAN COMPANIES, INC.

DEXTER CHEMICAL CORPORATION
BRONX, NEW YORK

PROPOSED SAMPLE LOCATIONS

ORIG. BY: TP	DWG. BY: S. Smith	CHK. BY: TP
DWG.#: 970910AA	DATE: JAN 1998	FIGURE: 3

ATTACHMENT 1

SOIL BORING LOGS

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. ISB-1

PROJECT No. 970910 SITE LOCATION: BRONX, NY

SHEET 1 OF 1

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 9 FEET DEPTH TO WATER 4.36 FEET

THE WHITMAN COMPANIES, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLE No.	RECOVERY IN INCHES	GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
—					0-0.5' CONCRETE	
1					0.5'-1.5' GREY SILT AND SAND	0.0
2					1.5'-6' BLACK SILT, CINDERS, COAL FRAGMENTS AND DEBRIS. MINOR RESIDUAL PETROLEUM.	178
3						
4					4.36' APPROXIMATE GROUNDWATER LEVEL	
5						
6					6'-9' BLACK GRAVEL AND SILT	172
7	7'-9' VO+10 BN+15 PPM PCB					
8						
9					END OF BORING	

B970910A.DWG

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. ISB-2

PROJECT Nº. 970910 SITE LOCATION: BRONX, NY

SHEET 1 OF 1

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 9 FEET DEPTH TO WATER 4.8 FEET

THE WHITMAN COMPANIES, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	SAMPLING DATA: GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
—					0–0.5' CONCRETE	0.0
1	1'–1.5' BN+15 PPM/PCB				0.5'–3' BLACK SILT AND CLAY WITH MINOR GRAVEL	114
2						
3					3'–5.5' BLACK GRAVEL AND CINDERS	20.2
4						
5					4.8' APPROXIMATE GROUNDWATER LEVEL	
					5.5'–6' GREY CINDERS	10.0
6					6'–9' GREY SAND, GRAVEL AND CINDERS	0.0
7	7'–8'					
8	VO+10					
9					END OF BORING	

B970910B.DWG

CLIENT: DEXTER CHEMICAL

PROJECT Nº. 970910 SITE LOCATION: BRONX, NY

LOG OF BORING No. ISB-3

SHEET 1 OF 1

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 9 FEET DEPTH TO WATER 4.96 FEET

THE WHITMAN CompanieS, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0-0.5' CONCRETE	0.0
1					0.5'-5' BLACK SILT AND CLAY	108
2						
3	3'-4' BN+15 PPM PCB					
4						
5					4.96' APPROXIMATE GROUNDWATER LEVEL	
					5'-6' GREY SILT, GRAVEL AND CINDERS	61
6					6'-9' BLACK CINDERS WITH SILT AND SAND	640
7						
8	7'-8' VO+10					
9					END OF BORING	

B970910C.DWG

CLIENT: DEXTER CHEMICAL

PROJECT Nº. 970910 SITE LOCATION: BRONX, NY

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 9 FEET

LOG OF BORING No. HO-1

SHEET 1 OF 1

THE WHITMAN CompanieS, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	SAMPLING DATA: GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0-0.5' CONCRETE	0.0
1					0.5'-3' BLACK CLAY, SILT AND SAND	84
2						
3	3'-4' BN+15				3'-4' GREY SILT, GRAVEL AND CINDERS	148
4					4'-9' GREY GRAVEL, SILTS AND CLAY WITH CINDERS AND OTHER DEBRIS	33
5						
6					NOTE: SOIL WET AT APPROXIMATLY 6'-7'	
7						
8						
9					END OF BORING	

B970910D.DWG

CLIENT: DEXTER CHEMICAL

PROJECT Nº. 970910 SITE LOCATION: BRONX, NY

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 12 FEET

LOG OF BORING No. HO-2

SHEET 1 OF 1

THE WHITMAN CompanieS, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	SAMPLING DATA: GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0-0.5' CONCRETE	0.0
					0.5'-1' TAN SILT	0.0
1					1'-1.5' CONCRETE FRAGMENTS	0.0
					1.5'-2.5' WHITE AND GREEN CLAY	0.0
2						
					2.5'-3' METAL SLAG	0.0
3					3'-3.5' BROWN SILT	0.0
					3.5'-5.5' BLACK CINDERS AND COAL FRAGMENTS	143
4						
	4'-6'					
5						
	BN+15					
6					5.5'-7.5' GREY GRAVEL, SILTS AND CINDERS	114
					NOTE: SOIL WET AT APPROXIMATLY 6'-7'	
7						
					7.5'-8.5' GREY SILT AND CLAY	67
8						
					8.5'-12' GREY SILT, CINDERS AND GRAVEL WITH DEBRIS	23
9						
10						
11						
12						
					END OF BORING	

B970910E.DWG

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. HO-3

PROJECT Nº. 970910 SITE LOCATION: BRONX, NY

SHEET 1 OF 1

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 12 FEET

THE WHITMAN COMPANIES, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	SAMPLING DATA: GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0-0.5' CONCRETE	0.0
1					0.5'-3' BLACK SILT AND CINDERS WITH COAL FRAGMENTS	121
2						
3						
4					3'-6' BLACK CINDERS WITH COAL FRAGMENTS AND WOOD CHIPS	167
5	4'-6' BN+15					
6						
7					6'-9' GREY GRAVEL AND SILT WITH GLASS AND WOOD FRAGMENTS NOTE: SOIL WET AT APPROXIMATLY 6'-7'	0.0
8						
9						
10					9'-12' GREY SILT AND GRAVEL	0.0
11						
12						
					END OF BORING	

B970910F.DWG

CLIENT: DEXTER CHEMICAL

PROJECT NO. 970910 SITE LOCATION: BRONX, NY

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 9 FEET

LOG OF BORING No. ITA-1

SHEET 1 OF 1

THE WHITMAN CompanieS, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	SAMPLING DATA: GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0-0.5' CONCRETE	0.0
1					0.5'-9' BROWN SILT WITH MINOR GRAVEL AND BRICK FRAGMENTS	0.0
2						
3						
4						
5						
6					NOTE: SOIL WET AT APPROXIMATLY 6'-7'	
7						
8						
9					END OF BORING	

B970910G.DWG

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. ITA–2

PROJECT Nº. 970910 SITE LOCATION: BRONX, NY

SHEET 1 OF 1

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 12 FEET

THE WHITMAN COMPANIES, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	SAMPLING DATA: GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0–0.5' CONCRETE	0.0
1					0.5'–1.5' BLACK GRAVEL WITH CONCRETE FRAGMENTS	0.0
2					1.5'–2' FINE TAN SAND	0.0
3					2'–3' GREY SILT AND CLAY WITH GRAVEL AND BRICK FRAGMENTS	0.0
4					3'–4' BLACK SILT WITH GRAVEL	0.0
5					4'–6' GREY SILT AND CLAY WITH MINOR SAND	0.0
6						
7					6'–7' BLACK SILT WITH GRAVEL NOTE: SOIL WET AT APPROXIMATLY 6'–7'	28
8					7'–9' GREY SILT WITH MINOR SAND AND GRAVEL	36
9						
10					9'–12' GREY SILT AND CLAY	18
11						
12					END OF BORING	

B970910H.DWG

CLIENT: DEXTER CHEMICAL

PROJECT No. 970910 SITE LOCATION: BRONX, NY

LOG OF BORING No. ITA-3

SHEET 1 OF 1

DRILLING Co. M&R SOIL INVESTIGATION DRILLER BOB FORSHAW

DRILLING METHOD GEOPROBE

HOLE DIAMETER 3 INCHES

SAMPLER TYPE 2 INCH DIAMETER DIRECT PUSH SAMPLER

DATE DRILLED 11/18/97 GEOLOGIST GARY WEISSBERGER

TOTAL DEPTH 12 FEET

THE WHITMAN COMPANIES, INC.

DEPTH (FEET)	SAMPLING DATA: LABORATORY SAMPLE INTERVAL	SAMPLING DATA: SAMPLE No.	SAMPLING DATA: RECOVERY IN INCHES	GRAPHIC LOG	SOIL DESCRIPTION	MAXIMUM PID READINGS (ppm)
0					0-0.5' CONCRETE	0.0
1					0.5'-3' GREY SILT	0.0
2						
3						
4					3'-6' DARK GREY GRAVEL, SAND AND SILT	0.0
5						
6						
7					6'-7.5' BLACK SAND AND GRAVEL NOTE: SOIL WET AT APPROXIMATLY 6'-7'	16.1
8					7.5'-9' GREY GRAVEL AND SILT	15.8
9						
10					9'-12' BLACK SILT AND GRAVEL	6.8
11						
12						
					END OF BORING	

B970910J.DWG

ATTACHMENT 2

LABORATORY DATA

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679

December 4, 1997

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Dr. Ira Whitman

Re: Job No. Z339 - Dexter Chemical

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on November 19, 1997:

Lab No.	Client ID	Analysis Required
32211	ISB-1_7-9	PP VOA+10, PP BN+15 PCBs, PP Metals
32212	ISB-2_1-1.5	PP BN+15, PCBs PP Metals
32213	ISB-2_7-8	PP VOA+10
32214	ISB-3_3-4	PP BN+15, PCBs PP Metals
32215	ISB-3_7-8	PP VOA+10
32216	HO-1	PP BN+15
32217	HO-2	PP BN+15
32218	HO-3	PP BN+15
32219	ISB-1-GW	PP VOA+10,PP BN+15 PCBs, PP Metals
32220	ISB-2-GW	PP VOA+10, PP BN+15 PCBs, PP Metals
32221	ISB-3-GW	PP VOA+10, PP BN+15 PCBs, PP Metals

Lab No.	Client ID	Analysis Required
32222	FB-11-18	PP VOA+10, PP BN+15 PCBs, PP Metals
32223	TB-11-18	PP VOA+10

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

Analytical Methodology Summary

Volatile Organics:

Water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Methods 502.2 and 524.2. Solid samples are analyzed for priority pollutant volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8240B. Water samples are analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) by GC-PID as specified in EPA Methods 502.2 and 602. Solid samples are analyzed for BTEX as specified in EPA Method 8020A.

Acid and Base/Neutral Extractable Organics:

Water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable priority pollutants as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270B.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8240B and 8270B. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8080A.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050 "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.2. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.1. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611 Alumina Column Cleanup and/or Method 3650 Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020

Corrosivity - Water pH Method 9040
Soil pH Method 9045

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Client ID: **ISB-1_7-9**
Site: Dexter Chemical

Lab Sample No: **32211**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/20/97
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c6287.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	1600
Bromomethane	ND	1600
Vinyl Chloride	ND	1600
Chloroethane	ND	1600
Methylene Chloride	ND	1600
Trichlorofluoromethane	ND	1600
1,1-Dichloroethene	ND	1600
1,1-Dichloroethane	ND	1600
trans-1,2-Dichloroethene	ND	1600
cis-1,2-Dichloroethene	ND	1600
Chloroform	ND	1600
1,2-Dichloroethane	ND	1600
1,1,1-Trichloroethane	ND	1600
Carbon Tetrachloride	ND	1600
Bromodichloromethane	ND	1600
1,2-Dichloropropane	ND	1600
cis-1,3-Dichloropropene	ND	1600
Trichloroethene	ND	1600
Dibromochloromethane	ND	1600
1,1,2-Trichloroethane	ND	1600
Benzene	ND	1600
trans-1,3-Dichloropropene	ND	1600
2-Chloroethyl Vinyl Ether	ND	1600
Bromoform	ND	1600
Tetrachloroethene	ND	1600
1,1,2,2-Tetrachloroethane	ND	1600
Toluene	ND	1600
Chlorobenzene	ND	1600
Ethylbenzene	3100	1600
Xylene (Total)	26000	1600

Client ID: ISB-1_7-9
Site: Dexter Chemical

Lab Sample No: 32211
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/20/97
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c6287.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 22.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8240B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	13.39	60000	
2.	Unknown Hydrocarbon	14.40	100000	
3.	C8H14O Unknown	14.73	200000	
4.	C10H22 Alkane	14.91	300000	
5.	C10H22 Alkane	15.40	530000	
6.	C11H24 Alkane	15.71	170000	
7.	Trimethylbenzene isomer	15.89	120000	
8.	C10H20 Hydrocarbon	16.14	200000	
9.	C11H24 Alkane	16.62	84000	
10.	Decahydronaphthalene isomer	16.76	45000	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	1809000

Client ID: ISB-1_7-9
Site: Dexter Chemical

Lab Sample No: 32211
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8720.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	4200
bis(2-Chloroethyl)ether	ND	4200
1,3-Dichlorobenzene U071	ND	4200
1,4-Dichlorobenzene U072	1200 J	4200
1,2-Dichlorobenzene U070	4600	4200
bis(2-chloroisopropyl)ether	ND	4200
N-Nitroso-di-n-propylamine	ND	4200
Hexachloroethane	ND	4200
Nitrobenzene	ND	4200
Isophorone	ND	4200
bis(2-Chloroethoxy)methane	ND	4200
1,2,4-Trichlorobenzene	18000	4200
Naphthalene	28000	210
Hexachlorobutadiene	ND	4200
Hexachlorocyclopentadiene	ND	4200
2-Chloronaphthalene	ND	4200
Dimethylphthalate	ND	4200
Acenaphthylene	ND	210
2,6-Dinitrotoluene	ND	4200
Acenaphthene	400	210
2,4-Dinitrotoluene	ND	4200
Diethylphthalate	1800 J	4200
4-Chlorophenyl-phenylether	ND	4200
Fluorene	400	210
N-Nitrosodiphenylamine	ND	4200
4-Bromophenyl-phenylether	ND	4200
Hexachlorobenzene	ND	4200
Phenanthrene	1500	210
Anthracene	89 J	210
Di-n-butylphthalate	ND	4200
Fluoranthene	390	210
Pyrene	360	210
Benzidine	ND	8500
Butylbenzylphthalate	ND	4200

Client ID: ISB-1_7-9
Site: Dexter Chemical

Lab Sample No: 32211
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8720.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	8500
Benzo(a)anthracene	210 J	210
Chrysene	110 J	210
bis(2-Ethylhexyl)phthalate	1200 J	4200
Di-n-octylphthalate	ND	4200
Benzo(b)fluoranthene	ND	210
Benzo(k)fluoranthene	ND	210
Benzo(a)pyrene	ND	210
Indeno(1,2,3-cd)pyrene	ND	210
Dibenz(a,h)anthracene	ND	210
Benzo(g,h,i)perylene	ND	210

Client ID: **ISB-1_7-9**
Site: Dexter Chemical

Lab Sample No: **32211**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8720.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 22.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	11.79	86000	
2.	Unknown Alkane	12.29	94000	
3.	C10H22 Alkane	12.40	100000	
4.	Unknown Alkane	12.83	230000	
5.	Ethylmethylbenzene isomer/Unknown alka	13.20	90000	
6.	Unknown Cycloalkane	13.35	110000	
7.	Unknown Alkane	13.57	110000	
8.	Ethyldimethylbenzene isomer	14.01	100000	
9.	Unknown Alkane	14.12	140000	
10.	Unknown	14.20	90000	
11.	Tetradecanoic acid	20.14	160000	
12.	Hexadecanoic acid	21.58	300000	
13.	Octadecanoic acid	22.87	140000	
14.	Unknown	23.31	220000	
15.	Unknown	23.39	160000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	2130000

Client ID: **ISB-1_7-9**
Site: Dexter Chemical

Lab Sample ID: **32211**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-608
Instrument ID: PESTGC1.i
Lab File ID: xr018351.d

Matrix: SOIL
Level: LOW
Sample Weight: 30 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 22

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8080

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aroclor-1016	ND	86
Aroclor-1221	ND	86
Aroclor-1232	ND	86
Aroclor-1242	ND	86
Aroclor-1248	ND	86
Aroclor-1254	ND	86
Aroclor-1260	ND	86

Client ID: **ISB-1 7-9**
Site: **Dexter Chemical**

Lab Sample No: 32211
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: SOLID
Level: LOW
% Moisture: 22.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	12.4	1.4	N	P
Arsenic	5.8	0.88		P
Beryllium	0.23	0.077	B	P
Cadmium	0.44	0.10	B	P
Chromium	18.6	0.44		P
Copper	194	1.0		P
Lead	569	0.57		P
Mercury	0.64	0.021		CV
Nickel	14.2	0.34		P
Selenium	ND	1.2		P
Silver	0.46	0.31	B	P
Thallium	ND	0.98		P
Zinc	111	0.98	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: ISB-2_1-1.5
Site: Dexter Chemical

Lab Sample No: 32212
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8721.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 20

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	1600
Benzo(a)anthracene	40 J	41
Chrysene	31 J	41
bis(2-Ethylhexyl)phthalate	530 J	820
Di-n-octylphthalate	ND	820
Benzo(b)fluoranthene	40 J	41
Benzo(k)fluoranthene	18 J	41
Benzo(a)pyrene	ND	41
Indeno(1,2,3-cd)pyrene	ND	41
Dibenz(a,h)anthracene	ND	41
Benzo(g,h,i)perylene	ND	41

Client ID: ISB-2_1-1.5
Site: Dexter Chemical

Lab Sample No: 32212
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8721.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 19.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Octanoic acid	14.94	11000	
2. Unknown	15.89	7600	
3. Unknown	16.04	8000	
4. Nonylphenol isomer	19.79	11000	
5. Nonylphenol isomer	19.85	14000	
6. Nonylphenol isomer	19.91	9500	
7. Nonylphenol isomer	20.09	9000	
8. Nonylphenol isomer	20.15	7800	
9. Hexadecanoic acid	21.55	21000	
10. Octadecanoic acid	22.88	35000	
11. Unknown	23.37	110000	
12. Unknown	23.46	92000	
13. Unknown	24.06	11000	
14. Unknown	28.34	3800	
15. Unknown	28.45	3800	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	354500

Client ID: ISB-2_1-1.5
Site: Dexter Chemical

Lab Sample ID: 32212
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/23/97
GC Column: DB-608
Instrument ID: PESTGC1.i
Lab File ID: xr018313.d

Matrix: SOIL
Level: LOW
Sample Weight: 30 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 20

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8080

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aroclor-1016	ND	84
Aroclor-1221	ND	84
Aroclor-1232	ND	84
Aroclor-1242	ND	84
Aroclor-1248	ND	84
Aroclor-1254	ND	84
Aroclor-1260	ND	84

Client ID: **ISB-2 1-1.5**
Site: **Dexter Chemical**

Lab Sample No: 32212
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: SOLID
Level: LOW
% Moisture: 19.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	2.0	0.85		P
Beryllium	0.52	0.075		P
Cadmium	ND	0.100		P
Chromium	19.0	0.42		P
Copper	17.7	1.00		P
Lead	21.3	0.55		P
Mercury	0.06	0.021		CV
Nickel	17.2	0.32		P
Selenium	ND	1.2		P
Silver	ND	0.30		P
Thallium	ND	0.95		P
Zinc	49.3	0.95	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: ISB-2_7-8
Site: Dexter Chemical

Lab Sample No: 32213
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/20/97
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c6288.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 250.0
% Moisture: 29

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	880
Bromomethane	ND	880
Vinyl Chloride	ND	880
Chloroethane	ND	880
Methylene Chloride	ND	880
Trichlorofluoromethane	ND	880
1,1-Dichloroethene	ND	880
1,1-Dichloroethane	ND	880
trans-1,2-Dichloroethene	ND	880
cis-1,2-Dichloroethene	ND	880
Chloroform	ND	880
1,2-Dichloroethane	ND	880
1,1,1-Trichloroethane	ND	880
Carbon Tetrachloride	ND	880
Bromodichloromethane	ND	880
1,2-Dichloropropane	ND	880
cis-1,3-Dichloropropene	ND	880
Trichloroethene	ND	880
Dibromochloromethane	ND	880
1,1,2-Trichloroethane	ND	880
Benzene	ND	880
trans-1,3-Dichloropropene	ND	880
2-Chloroethyl Vinyl Ether	ND	880
Bromoform	ND	880
Tetrachloroethene	ND	880
1,1,2,2-Tetrachloroethane	ND	880
Toluene	ND	880
Chlorobenzene	ND	880
Ethylbenzene	ND	880
Xylene (Total)	ND	880

Client ID: ISB-2_7-8
Site: Dexter Chemical

Lab Sample No: 32213
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/20/97
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c6288.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 250.0
% Moisture: 29.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8240B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Hydrocarbon	14.42	79000	
2.	C10H22 Alkane	14.52	70000	
3.	Unknown Alkane	14.69	160000	
4.	C10H20 Hydrocarbon	14.85	120000	
5.	Unknown Hydrocarbon	15.47	200000	
6.	Unknown	15.71	120000	
7.	C10H20 Hydrocarbon	16.15	80000	
8.	C10H18 Hydrocarbon	16.77	200000	
9.	Unknown	16.95	98000	
10.	Decahydronaphthalene isomer	17.46	91000	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	1218000

Client ID: **ISB-3_3-4**
Site: Dexter Chemical

Lab Sample No: **32214**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8726.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	3900
bis(2-Chloroethyl)ether	ND	3900
1,3-Dichlorobenzene	1300 J	3900
1,4-Dichlorobenzene	2800 J	3900
1,2-Dichlorobenzene	4500	3900
bis(2-chloroisopropyl)ether	ND	3900
N-Nitroso-di-n-propylamine	ND	3900
Hexachloroethane	ND	3900
Nitrobenzene	ND	3900
Isophorone	ND	3900
bis(2-Chloroethoxy)methane	ND	3900
1,2,4-Trichlorobenzene	61000	3900
Naphthalene	520	190
Hexachlorobutadiene	ND	3900
Hexachlorocyclopentadiene	ND	3900
2-Chloronaphthalene	ND	3900
Dimethylphthalate	ND	3900
Acenaphthylene	ND	190
2,6-Dinitrotoluene	ND	3900
Acenaphthene	ND	190
2,4-Dinitrotoluene	ND	3900
Diethylphthalate	ND	3900
4-Chlorophenyl-phenylether	ND	3900
Fluorene	ND	190
N-Nitrosodiphenylamine	ND	3900
4-Bromophenyl-phenylether	ND	3900
Hexachlorobenzene	ND	3900
Phenanthrene	ND	190
Anthracene	ND	190
Di-n-butylphthalate	ND	3900
Fluoranthene	110 J	190
Pyrene	130 J	190
Benzidine	ND	7800
Butylbenzylphthalate	ND	3900

Client ID: ISB-3_3-4
Site: Dexter Chemical

Lab Sample No: 32214
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8726.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	7800
Benzo(a)anthracene	ND	190
Chrysene	ND	190
bis(2-Ethylhexyl)phthalate	ND	3900
Di-n-octylphthalate	ND	3900
Benzo(b)fluoranthene	ND	190
Benzo(k)fluoranthene	ND	190
Benzo(a)pyrene	ND	190
Indeno(1,2,3-cd)pyrene	ND	190
Dibenz(a,h)anthracene	ND	190
Benzo(g,h,i)perylene	ND	190

Client ID: ISB-3_3-4
Site: Dexter Chemical

Lab Sample No: 32214
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8726.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 14.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	14.10	3500	
2.	Trichlorobenzene isomer	15.53	7400	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	10900

Client ID: ISB-3_3-4
Site: Dexter Chemical

Lab Sample ID: 32214
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/23/97
GC Column: DB-608
Instrument ID: PESTGC1.i
Lab File ID: xr018314.d

Matrix: SOIL
Level: LOW
Sample Weight: 30 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 15

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8080

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Aroclor-1016	ND	79
Aroclor-1221	ND	79
Aroclor-1232	ND	79
Aroclor-1242	ND	79
Aroclor-1248	ND	79
Aroclor-1254	ND	79
Aroclor-1260	ND	79

Client ID: **ISB-3 3-4**
Site: **Dexter Chemical**

Lab Sample No: 32214
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: SOLID
Level: LOW
% Moisture: 14.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	3.1	0.80		P
Beryllium	0.47	0.071	B	P
Cadmium	ND	0.094		P
Chromium	16.1	0.40		P
Copper	26.0	0.94		P
Lead	47.8	0.52		P
Mercury	0.19	0.020		CV
Nickel	14.2	0.31		P
Selenium	ND	1.1		P
Silver	ND	0.28		P
Thallium	ND	0.89		P
Zinc	72.9	0.89	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: ISB-3_7-8
Site: Dexter Chemical

Lab Sample No: 32215
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/20/97
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c6289.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 25

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	3300
Bromomethane	ND	3300
Vinyl Chloride	ND	3300
Chloroethane	ND	3300
Methylene Chloride	ND	3300
Trichlorofluoromethane	ND	3300
1,1-Dichloroethene	ND	3300
1,1-Dichloroethane	ND	3300
trans-1,2-Dichloroethene	ND	3300
cis-1,2-Dichloroethene	ND	3300
Chloroform	ND	3300
1,2-Dichloroethane	ND	3300
1,1,1-Trichloroethane	ND	3300
Carbon Tetrachloride	ND	3300
Bromodichloromethane	ND	3300
1,2-Dichloropropane	ND	3300
cis-1,3-Dichloropropene	ND	3300
Trichloroethene	ND	3300
Dibromochloromethane	ND	3300
1,1,2-Trichloroethane	ND	3300
Benzene	ND	3300
trans-1,3-Dichloropropene	ND	3300
2-Chloroethyl Vinyl Ether	ND	3300
Bromoform	ND	3300
Tetrachloroethene	ND	3300
1,1,2,2-Tetrachloroethane	ND	3300
Toluene	ND	3300
Chlorobenzene V037	260000	3300
Ethylbenzene	19000	3300
Xylene (Total)	79000	3300

Client ID: ISB-3_7-8
Site: Dexter Chemical

Lab Sample No: 32215
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/20/97
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c6289.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 25.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8240B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C9H18 Hydrocarbon	14.42	200000	
2.	C8H14O Unknown	14.73	420000	
3.	Unknown	14.85	270000	
4.	Unknown Hydrocarbon	15.47	360000	
5.	C11H24 Alkane	15.70	270000	
6.	C10H20 Hydrocarbon	16.15	350000	
7.	Benzene, 1,4-dichloro-	16.35	300000	
8.	Decahydronaphthalene isomer	16.78	440000	
9.	C11H22 Hydrocarbon	16.97	220000	
10.	Decahydromethylnaphthalene isomer	17.46	200000	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	3030000

Client ID: **HO-1**
Site: Dexter Chemical

Lab Sample No: **32216**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8723.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	3800
bis(2-Chloroethyl)ether	ND	3800
1,3-Dichlorobenzene	ND	3800
1,4-Dichlorobenzene	ND	3800
1,2-Dichlorobenzene	ND	3800
bis(2-chloroisopropyl)ether	ND	3800
N-Nitroso-di-n-propylamine	ND	3800
Hexachloroethane	ND	3800
Nitrobenzene	ND	3800
Isophorone	ND	3800
bis(2-Chloroethoxy)methane	ND	3800
1,2,4-Trichlorobenzene	ND	3800
Naphthalene	5600	190
Hexachlorobutadiene	ND	3800
Hexachlorocyclopentadiene	ND	3800
2-Chloronaphthalene	ND	3800
Dimethylphthalate	ND	3800
Acenaphthylene	ND	190
2,6-Dinitrotoluene	ND	3800
Acenaphthene	270	190
2,4-Dinitrotoluene	ND	3800
Diethylphthalate	ND	3800
4-Chlorophenyl-phenylether	ND	3800
Fluorene	220	190
N-Nitrosodiphenylamine	ND	3800
4-Bromophenyl-phenylether	ND	3800
Hexachlorobenzene	ND	3800
Phenanthrene	600	190
Anthracene	ND	190
Di-n-butylphthalate	ND	3800
Fluoranthene	110 J	190
Pyrene	140 J	190
Benzidine	ND	7600
Butylbenzylphthalate	ND	3800

Client ID: HO-1
Site: Dexter Chemical

Lab Sample No: 32216
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8723.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 13

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	7600
Benzo(a)anthracene	ND	190
Chrysene	ND	190
bis(2-Ethylhexyl)phthalate	ND	3800
Di-n-octylphthalate	ND	3800
Benzo(b)fluoranthene	ND	190
Benzo(k)fluoranthene	ND	190
Benzo(a)pyrene	ND	190
Indeno(1,2,3-cd)pyrene	ND	190
Dibenz(a,h)anthracene	ND	190
Benzo(g,h,i)perylene	ND	190

Client ID: HO-1
Site: Dexter Chemical

Lab Sample No: 32216
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8723.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 13.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	12.81	36000	
2.	Unknown Cycloalkane	13.33	27000	
3.	C11H24 Alkane	13.56	40000	
4.	C11H24 Alkane	13.74	31000	
5.	C11H24 Alkane	14.10	66000	
6.	C12H26 Alkane	15.22	22000	
7.	C13H28 Alkane	15.35	19000	
8.	Unknown Alkane	15.96	15000	
9.	C13H28 Alkane	16.23	15000	
10.	Unknown Alkane	18.88	15000	
11.	Unknown Alkane	19.24	15000	
12.	Unknown Alkane	19.66	19000	
13.	Unknown Alkane	19.69	18000	
14.	Unknown Alkane	20.41	17000	
15.	Unknown Alkane	20.46	14000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	369000

Client ID: **HO-2**
Site: Dexter Chemical

Lab Sample No: **32217**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8724.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 21

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	2100
bis(2-Chloroethyl)ether	ND	2100
1,3-Dichlorobenzene	ND	2100
1,4-Dichlorobenzene	ND	2100
1,2-Dichlorobenzene	ND	2100
bis(2-chloroisopropyl)ether	ND	2100
N-Nitroso-di-n-propylamine	ND	2100
Hexachloroethane	ND	2100
Nitrobenzene	ND	2100
Isophorone	ND	2100
bis(2-Chloroethoxy)methane	ND	2100
1,2,4-Trichlorobenzene	ND	2100
Naphthalene	510	100
Hexachlorobutadiene	ND	2100
Hexachlorocyclopentadiene	ND	2100
2-Chloronaphthalene	ND	2100
Dimethylphthalate	ND	2100
Acenaphthylene	ND	100
2,6-Dinitrotoluene	ND	2100
Acenaphthene	ND	100
2,4-Dinitrotoluene	ND	2100
Diethylphthalate	ND	2100
4-Chlorophenyl-phenylether	ND	2100
Fluorene	ND	100
N-Nitrosodiphenylamine	ND	2100
4-Bromophenyl-phenylether	ND	2100
Hexachlorobenzene	ND	2100
Phenanthrene	150	100
Anthracene	ND	100
Di-n-butylphthalate	ND	2100
Fluoranthene	190	100
Pyrene	220	100
Benzidine	ND	4200
Butylbenzylphthalate	ND	2100

Client ID: HO-2
Site: Dexter Chemical

Lab Sample No: 32217
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8724.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 21

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	4200
Benzo(a)anthracene	160	100
Chrysene	120	100
bis(2-Ethylhexyl)phthalate	ND	2100
Di-n-octylphthalate	ND	2100
Benzo(b)fluoranthene	140	100
Benzo(k)fluoranthene	66 J	100
Benzo(a)pyrene	100 J	100
Indeno(1,2,3-cd)pyrene	57 J	100
Dibenz(a,h)anthracene	ND	100
Benzo(g,h,i)perylene	51 J	100

Client ID: **HO-2**
Site: Dexter Chemical

Lab Sample No: **32217**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8724.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 20.6

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	11.76	19000	
2.	C10H22 Alkane	12.10	14000	
3.	Unknown	12.26	14000	
4.	Unknown Cycloalkane	12.64	21000	
5.	Unknown Alkane	12.97	13000	
6.	Unknown Alkane	13.19	12000	
7.	Unknown Cycloalkane	13.33	22000	
8.	Unknown Cycloalkane	13.54	12000	
9.	Decahydronaphthalene isomer-	13.76	14000	
10.	Unknown Cycloalkane	13.82	11000	
11.	Unknown Cycloalkane	14.00	22000	
12.	Unknown	14.19	14000	
13.	Unknown	14.27	11000	
14.	Decahydromethylnaphthalene isomer	14.66	13000	
15.	C14H30 Alkane	15.95	14000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	226000

Client ID: HO-3
Site: Dexter Chemical

Lab Sample No: 32218
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8725.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	3700
bis(2-Chloroethyl)ether	ND	3700
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	ND	3700
1,2-Dichlorobenzene	ND	3700
bis(2-chloroisopropyl)ether	ND	3700
N-Nitroso-di-n-propylamine	ND	3700
Hexachloroethane	ND	3700
Nitrobenzene	ND	3700
Isophorone	ND	3700
bis(2-Chloroethoxy)methane	ND	3700
1,2,4-Trichlorobenzene	ND	3700
Naphthalene	620	180
Hexachlorobutadiene	ND	3700
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
Dimethylphthalate	ND	3700
Acenaphthylene	ND	180
2,6-Dinitrotoluene	ND	3700
Acenaphthene	90 J	180
2,4-Dinitrotoluene	ND	3700
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	190	180
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	3700
Phenanthrene	1100	180
Anthracene	81 J	180
Di-n-butylphthalate	ND	3700
Fluoranthene	660	180
Pyrene	520	180
Benzidine	ND	7400
Butylbenzylphthalate	ND	3700

Client ID: HO-3
Site: Dexter Chemical

Lab Sample No: 32218
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8725.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	7400
Benzo(a)anthracene	380	180
Chrysene	870	180
bis(2-Ethylhexyl)phthalate	ND	3700
Di-n-octylphthalate	ND	3700
Benzo(b)fluoranthene	ND	180
Benzo(k)fluoranthene	ND	180
Benzo(a)pyrene	180 J	180
Indeno(1,2,3-cd)pyrene	150 J	180
Dibenz(a,h)anthracene	ND	180
Benzo(g,h,i)perylene	150 J	180

Client ID: HO-3
Site: Dexter Chemical

Lab Sample No: 32218
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u8725.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 10.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C10H22 Alkane	11.78	32000	
2.	Unknown Alkane	12.12	21000	
3.	Unknown Alkane	13.03	18000	
4.	Unknown Alkane	13.19	23000	
5.	Unknown Alkane	13.29	25000	
6.	Unknown Cycloalkane	13.34	34000	
7.	C11H24 Alkane	13.54	19000	
8.	Naphthalene, decahydro-	13.77	19000	
9.	Unknown Cycloalkane	13.81	19000	
10.	Ethyldimethylbenzene isomer	14.00	37000	
11.	Unknown	14.19	14000	
12.	Unknown Alkane	14.27	20000	
13.	Ethyldimethylbenzene isomer/Unknown al	14.40	17000	
14.	Decahydromethylnaphthalene	14.66	19000	
15.	Unknown Alkane	15.95	19000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	336000

Client ID: **ISB-1-GW**
Site: Dexter Chemical

Lab Sample No: **32219**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5677.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	4.6
Bromomethane	ND	1.4
Vinyl Chloride	ND	2.0
Chloroethane	ND	5.2
Methylene Chloride	ND	5.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	2.8
1,1-Dichloroethane	ND	1.6
trans-1,2-Dichloroethene	ND	1.5
cis-1,2-Dichloroethene	62	5.0
Chloroform	ND	1.0
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	0.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	19	2.3
cis-1,3-Dichloropropene	ND	1.6
Trichloroethene	ND	2.0
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	2.2
Benzene	76	1.2
trans-1,3-Dichloropropene	ND	1.6
2-Chloroethyl Vinyl Ether	ND	2.3
Bromoform	ND	1.5
Tetrachloroethene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	52	0.9
Chlorobenzene	130	0.7
Ethylbenzene	94	1.2
Xylene (Total)	730	5.0

Client ID: ISB-1-GW
Site: Dexter Chemical

Lab Sample No: 32219
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5677.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Ethylmethylbenzene isomer	15.28	170	
2.	Trimethylbenzene isomer	15.35	240	
3.	Ethylmethylbenzene isomer	15.60	96	
4.	Trimethylbenzene isomer	15.77	550	
5.	Isocineole/ with Ethylmethylbenzene	15.93	73	
6.	C10H14 Aromatic	16.08	110	
7.	Trimethylbenzene isomer	16.24	210	
8.	Diethylbenzene isomer	16.48	150	
9.	C10H16O Isomer	17.40	180	
10.	Camphor	18.32	160	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	1939

Client ID: **ISB-1-GW**
Site: Dexter Chemical

Lab Sample No: **32219**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4497.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	3.6
bis(2-Chloroethyl)ether	ND	6.4
1,3-Dichlorobenzene	ND	18
1,4-Dichlorobenzene	ND	18
1,2-Dichlorobenzene	28	18
bis(2-chloroisopropyl)ether	ND	7.2
N-Nitroso-di-n-propylamine	ND	7.7
Hexachloroethane	ND	12
Nitrobenzene	ND	7.7
Isophorone	ND	8.8
bis(2-Chloroethoxy)methane	ND	8.5
1,2,4-Trichlorobenzene	32	19
Naphthalene	140	13
Hexachlorobutadiene	ND	11
Hexachlorocyclopentadiene	ND	8.4
2-Chloronaphthalene	ND	16
Dimethylphthalate	ND	6.6
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	7.7
Acenaphthene	ND	14
2,4-Dinitrotoluene	ND	7.7
Diethylphthalate 0028	160	6.0
4-Chlorophenyl-phenylether	ND	15
Fluorene	ND	10
N-Nitrosodiphenylamine	ND	5.7
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	6.4
Phenanthrene	ND	5.4
Anthracene	ND	5.7
Di-n-butylphthalate	ND	5.0
Fluoranthene	ND	5.7
Pyrene	ND	3.1
Benzidine	ND	2.6
Butylbenzylphthalate	ND	3.4

Client ID: **ISB-1-GW**
Site: Dexter Chemical

Lab Sample No: **32219**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4497.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	7.5
Benzo(a)anthracene	ND	4.4
Chrysene	ND	4.5
bis(2-Ethylhexyl)phthalate	ND	5.9
Di-n-octylphthalate	ND	5.1
Benzo(b)fluoranthene	ND	3.8
Benzo(k)fluoranthene	ND	4.8
Benzo(a)pyrene	ND	4.2
Indeno(1,2,3-cd)pyrene	ND	3.6
Dibenz(a,h)anthracene	ND	4.4
Benzo(g,h,i)perylene	ND	3.8

Client ID: ISB-1-GW
Site: Dexter Chemical

Lab Sample No: 32219
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4497.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Xylene isomer	10.30	220	
2. Unknown Alkane	11.53	140	
3. Ethylmethylbenzene isomer	12.03	180	
4. Trimethylbenzene isomer	12.16	190	
5. Trimethylbenzene isomer	12.55	600	
6. Ethylmethylbenzene isomer	12.96	330	
7. Unknown Cycloalkane	13.10	140	
8. Methylpropylbenzene isomer	13.33	200	
9. Diethylbenzene isomer	13.40	140	
10. Unknown	13.88	300	
11. Tetramethylbenzene isomer	14.22	150	
12. Dimethylnaphthalene isomer	14.46	310	
13. Unknown	14.62	2100	
14. Dimethylnaphthalene isomer	14.69	230	
15. 1,1'-Biphenyl-ol isomer	18.20	930	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	6160

Client ID: ISB-1-GW
Site: Dexter Chemical

Lab Sample ID: 32219
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-608
Instrument ID: PESTGC1.i

Matrix: WATER
Sample Volume: 500 ml
Extract Final Volume: 2.5 ml
Dilution Factor: 1.0
Lab File ID: xr018350.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.10
Aroclor-1242	ND	0.40
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.10

Client ID: **ISB-1-GW**
Site: **Dexter Chemical**

Lab Sample No: 32219
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	22.1	5.3	P
Arsenic	18.0	3.4	P
Beryllium	0.38	0.30	P
Cadmium	ND	0.40	P
Chromium	58.7	1.7	P
Copper	298	4.0	P
Lead	935	2.2	P
Mercury	7.9	0.10	CV
Nickel	48.4	1.3	P
Selenium	ND	4.8	P
Silver	1.7	1.2	P
Thallium	ND	3.8	P
Zinc	215	3.8	P

M Column - Method Code (See Section 2 of Report)

Client ID: **ISB-2-GW**
Site: Dexter Chemical

Lab Sample No: **32220**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5678.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	1.9
Bromomethane	ND	0.5
Vinyl Chloride	ND	0.8
Chloroethane	ND	2.1
Methylene Chloride	ND	2.1
Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	0.6
trans-1,2-Dichloroethene	ND	0.6
cis-1,2-Dichloroethene	2.7	2.0
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.4
1,1,1-Trichloroethane	ND	0.4
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	6.1	0.9
cis-1,3-Dichloropropene	ND	0.7
Trichloroethene	1.6	0.8
Dibromochloromethane	ND	0.5
1,1,2-Trichloroethane	ND	0.9
Benzene	3.6	0.5
trans-1,3-Dichloropropene	ND	0.6
2-Chloroethyl Vinyl Ether	ND	0.9
Bromoform	ND	0.6
Tetrachloroethene	2.0	0.2
1,1,2,2-Tetrachloroethane	ND	0.7
Toluene	17	0.4
Chlorobenzene	17	0.3
Ethylbenzene	34	0.5
Xylene (Total)	120	2.0

Client ID: **ISB-2-GW**
Site: Dexter Chemical

Lab Sample No: **32220**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5678.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 2.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown	14.61	69	
2.	Ethylmethylbenzene isomer	14.76	65	
3.	Benzene, propyl-	15.19	61	
4.	Trimethylbenzene isomer	15.35	180	
5.	Ethylmethylbenzene isomer	15.60	68	
6.	Trimethylbenzene isomer	15.77	270	
7.	C10H14 Aromatic	15.94	110	
8.	Trimethylbenzene isomer	16.24	92	
9.	C10H14 Aromatic	16.90	52	
10.	C10H14 Aromatic	17.33	66	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	1033

Client ID: **ISB-2-GW**
Site: Dexter Chemical

Lab Sample No: **32220**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4498.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	3.6
bis(2-Chloroethyl)ether	ND	6.4
1,3-Dichlorobenzene	ND	18
1,4-Dichlorobenzene	ND	18
1,2-Dichlorobenzene	ND	18
bis(2-chloroisopropyl)ether	ND	7.2
N-Nitroso-di-n-propylamine	ND	7.7
Hexachloroethane	ND	12
Nitrobenzene	ND	7.7
Isophorone	ND	8.8
bis(2-Chloroethoxy)methane	ND	8.5
1,2,4-Trichlorobenzene	32	19
Naphthalene	ND	13
Hexachlorobutadiene	ND	11
Hexachlorocyclopentadiene	ND	8.4
2-Chloronaphthalene	ND	16
Dimethylphthalate	ND	6.6
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	7.7
Acenaphthene	ND	14
2,4-Dinitrotoluene	ND	7.7
Diethylphthalate	ND	6.0
4-Chlorophenyl-phenylether	ND	15
Fluorene	ND	10
N-Nitrosodiphenylamine	ND	5.7
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	6.4
Phenanthrene	ND	5.4
Anthracene	ND	5.7
Di-n-butylphthalate	ND	5.0
Fluoranthene	ND	5.7
Pyrene	ND	3.1
Benzidine	ND	2.6
Butylbenzylphthalate	ND	3.4

Client ID: ISB-2-GW
Site: Dexter Chemical

Lab Sample No: 32220
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4498.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	7.5
Benzo(a)anthracene	ND	4.4
Chrysene	ND	4.5
bis(2-Ethylhexyl)phthalate	ND	5.9
Di-n-octylphthalate	ND	5.1
Benzo(b)fluoranthene	ND	3.8
Benzo(k)fluoranthene	ND	4.8
Benzo(a)pyrene	ND	4.2
Indeno(1,2,3-cd)pyrene	ND	3.6
Dibenz(a,h)anthracene	ND	4.4
Benzo(g,h,i)perylene	ND	3.8

Client ID: **ISB-2-GW**
Site: Dexter Chemical

Lab Sample No: **32220**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4498.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Unknown Alkane	11.53	1000	
2.	Unknown Alkane	11.87	490	
3.	Unknown	12.03	490	
4.	Unknown Cycloalkane	12.40	700	
5.	Unknown	12.47	400	
6.	Unknown Alkane	12.75	420	
7.	Unknown	12.80	380	
8.	Unknown Alkane	12.88	1000	
9.	Unknown Alkane	12.96	450	
10.	Unknown Alkane	13.06	430	
11.	Unknown Cycloalkane	13.10	680	
12.	Unknown	13.32	450	
13.	Decahydronapthalene isomer	13.53	490	
14.	Unknown	13.84	430	
15.	Unknown	13.96	480	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	8290

Client ID: **ISB-2-GW**
Site: Dexter Chemical

Lab Sample ID: **32220**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/23/97
GC Column: DB-608
Instrument ID: PESTGC1.i

Matrix: **WATER**
Sample Volume: 500 ml
Extract Final Volume: 2.5 ml
Dilution Factor: 1.0
Lab File ID: xr018309.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.10
Aroclor-1242	ND	0.40
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.10

Client ID: **ISB-2-GW**
Site: **Dexter Chemical**

Lab Sample No: 32220
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	5.3	P
Arsenic	38.7	3.4	P
Beryllium	2.4	0.30	P
Cadmium	1.1	0.40	P
Chromium	54.7	1.7	P
Copper	265	4.0	P
Lead	917	2.2	P
Mercury	1.3	0.10	CV
Nickel	58.7	1.3	P
Selenium	11.2	4.8	P
Silver	2.9	1.2	P
Thallium	ND	3.8	P
Zinc	1210	3.8	P

M Column - Method Code (See Section 2 of Report)

Client ID: **ISB-3-GW**
Site: Dexter Chemical

Lab Sample No: **32221**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5681.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	46
Bromomethane	ND	14
Vinyl Chloride	ND	20
Chloroethane	ND	52
Methylene Chloride	ND	52
Trichlorofluoromethane	ND	12
1,1-Dichloroethene	ND	28
1,1-Dichloroethane	ND	16
trans-1,2-Dichloroethene	ND	15
cis-1,2-Dichloroethene	ND	50
Chloroform	ND	10
1,2-Dichloroethane	ND	11
1,1,1-Trichloroethane	ND	10
Carbon Tetrachloride	ND	8.0
Bromodichloromethane	ND	9.5
1,2-Dichloropropane	ND	23
cis-1,3-Dichloropropene	ND	16
Trichloroethene	ND	20
Dibromochloromethane	ND	12
1,1,2-Trichloroethane	ND	22
Benzene	31	12
trans-1,3-Dichloropropene	ND	16
2-Chloroethyl Vinyl Ether	ND	23
Bromoform	ND	15
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	16
Toluene	ND	9.0
Chlorobenzene	5200	7.0
Ethylbenzene	100	12
Xylene (Total)	390	50

Client ID: **ISB-3-GW**
Site: Dexter Chemical

Lab Sample No: **32221**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5681.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 50.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Unknown Alkane	14.37	260	
2. Unknown Alkane	15.56	190	
3. Benzene, 1,4-dichloro-	16.20	1700	
4. Benzene, 1,2-dichloro-	16.60	360	
5. Trichlorobenzene isomer	18.40	260	
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	2770

Client ID: **ISB-3-GW**
Site: Dexter Chemical

Lab Sample No: **32221**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4551.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	7.3
bis(2-Chloroethyl)ether	ND	13
1,3-Dichlorobenzene	260	36
1,4-Dichlorobenzene	2000	36
1,2-Dichlorobenzene	320	35
bis(2-chloroisopropyl)ether	ND	14
N-Nitroso-di-n-propylamine	ND	15
Hexachloroethane	ND	25
Nitrobenzene	ND	15
Isophorone	ND	18
bis(2-Chloroethoxy)methane	ND	17
1,2,4-Trichlorobenzene	1300	38
Naphthalene	66	26
Hexachlorobutadiene	ND	22
Hexachlorocyclopentadiene	ND	17
2-Chloronaphthalene	ND	32
Dimethylphthalate	ND	13
Acenaphthylene	ND	21
2,6-Dinitrotoluene	ND	15
Acenaphthene	ND	29
2,4-Dinitrotoluene	ND	15
Diethylphthalate	33	12
4-Chlorophenyl-phenylether	ND	30
Fluorene	ND	20
N-Nitrosodiphenylamine	ND	11
4-Bromophenyl-phenylether	ND	21
Hexachlorobenzene	ND	13
Phenanthrene	ND	11
Anthracene	ND	11
Di-n-butylphthalate	ND	10
Fluoranthene	ND	11
Pyrene	ND	6.2
Benzidine	ND	5.2
Butylbenzylphthalate	ND	6.9

Client ID: ISB-3-GW
Site: Dexter Chemical

Lab Sample No: 32221
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4551.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	15
Benzo(a)anthracene	ND	8.8
Chrysene	ND	9.0
bis(2-Ethylhexyl)phthalate	ND	12
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	7.7
Benzo(k)fluoranthene	ND	9.6
Benzo(a)pyrene	ND	8.3
Indeno(1,2,3-cd)pyrene	ND	7.3
Dibenz(a,h)anthracene	ND	8.8
Benzo(g,h,i)perylene	ND	7.7

Client ID: **ISB-3-GW**
Site: Dexter Chemical

Lab Sample No: **32221**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/24/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4551.d

Matrix: WATER
Level: LOW
Sample Volume: 480 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 10.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Benzene, chloro-	9.73	2200	
2.	Unknown Alkane	11.52	1400	
3.	Unknown Alkane	11.86	610	
4.	Unknown	12.02	630	
5.	Unknown Cycloalkane	12.39	910	
6.	Unknown Cycloalkane	12.59	600	
7.	Unknown Alkane	12.95	580	
8.	Unknown Cycloalkane	13.09	780	
9.	Unknown	13.15	670	
10.	Unknown	13.31	640	
11.	Naphthalene, decahydro-, trans-	13.53	610	
12.	Unknown	13.83	620	
13.	Unknown	17.87	2200	
14.	Unknown	19.48	1400	
15.	Unknown	20.93	680	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	14530

Client ID: **ISB-3-GW**
Site: Dexter Chemical

Lab Sample ID: **32221**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/23/97
GC Column: DB-608
Instrument ID: PESTGC1.i

Matrix: WATER
Sample Volume: 500 ml
Extract Final Volume: 2.5 ml
Dilution Factor: 1.0
Lab File ID: xr018310.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.10
Aroclor-1242	ND	0.40
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.10

Client ID: **ISB-3-GW**
Site: **Dexter Chemical**

Lab Sample No: 32221
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	5.3	P
Arsenic	30.5	3.4	P
Beryllium	3.3	0.30	P
Cadmium	ND	0.40	P
Chromium	66.1	1.7	P
Copper	176	4.0	P
Lead	499	2.2	P
Mercury	0.91	0.10	CV
Nickel	69.7	1.3	P
Selenium	ND	4.8	P
Silver	1.4	1.2	P
Thallium	ND	3.8	P
Zinc	501	3.8	P

M Column - Method Code (See Section 2 of Report)

Client ID: **FB-11-18**
Site: Dexter Chemical

Lab Sample No: **32222**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5675.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0

Client ID: **FB-11-18**
Site: Dexter Chemical

Lab Sample No: **32222**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5675.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **FB-11-18**
Site: Dexter Chemical

Lab Sample No: **32222**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4495.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	1.2
1,3-Dichlorobenzene	ND	3.4
1,4-Dichlorobenzene	ND	3.5
1,2-Dichlorobenzene	ND	3.4
bis(2-chloroisopropyl)ether	ND	1.4
N-Nitroso-di-n-propylamine	ND	1.5
Hexachloroethane	ND	2.4
Nitrobenzene	ND	1.5
Isophorone	ND	1.7
bis(2-Chloroethoxy)methane	ND	1.6
1,2,4-Trichlorobenzene	ND	3.7
Naphthalene	ND	2.5
Hexachlorobutadiene	ND	2.2
Hexachlorocyclopentadiene	ND	1.6
2-Chloronaphthalene	ND	3.2
Dimethylphthalate	ND	1.3
Acenaphthylene	ND	2.0
2,6-Dinitrotoluene	ND	1.5
Acenaphthene	ND	2.8
2,4-Dinitrotoluene	ND	1.5
Diethylphthalate	ND	1.2
4-Chlorophenyl-phenylether	ND	2.9
Fluorene	ND	2.0
N-Nitrosodiphenylamine	ND	1.1
4-Bromophenyl-phenylether	ND	2.0
Hexachlorobenzene	ND	1.2
Phenanthrene	ND	1.0
Anthracene	ND	1.1
Di-n-butylphthalate	ND	1.0
Fluoranthene	ND	1.1
Pyrene	ND	0.6
Benzidine	ND	0.5
Butylbenzylphthalate	ND	0.7

Client ID: **FB-11-18**
Site: Dexter Chemical

Lab Sample No: **32222**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4495.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	1.4
Benzo(a)anthracene	ND	0.8
Chrysene	ND	0.9
bis(2-Ethylhexyl)phthalate	ND	1.2
Di-n-octylphthalate	ND	1.0
Benzo(b)fluoranthene	ND	0.7
Benzo(k)fluoranthene	ND	0.9
Benzo(a)pyrene	ND	0.8
Indeno(1,2,3-cd)pyrene	ND	0.7
Dibenz(a,h)anthracene	ND	0.8
Benzo(g,h,i)perylene	ND	0.7

Client ID: **FB-11-18**
Site: Dexter Chemical

Lab Sample No: **32222**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/21/97
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t4495.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **FB-11-18**
Site: Dexter Chemical

Lab Sample ID: **32222**
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Extracted: 11/20/97
Date Analyzed: 11/23/97
GC Column: DB-608
Instrument ID: PESTGC1.i

Matrix: WATER
Sample Volume: 1000 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: xr018311.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.40
Aroclor-1232	ND	0.10
Aroclor-1242	ND	0.40
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.10

Client ID: **FB-11-18**
Site: **Dexter Chemical**

Lab Sample No: 32222
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	5.3	P
Arsenic	ND	3.4	P
Beryllium	ND	0.30	P
Cadmium	ND	0.40	P
Chromium	ND	1.7	P
Copper	ND	4.0	P
Lead	ND	2.2	P
Mercury	ND	0.10	CV
Nickel	ND	1.3	P
Selenium	ND	4.8	P
Silver	ND	1.2	P
Thallium	ND	3.8	P
Zinc	ND	3.8	P

M Column - Method Code (See Section 2 of Report)

Client ID: TB-11-18
Site: Dexter Chemical

Lab Sample No: 32223
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5676.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0

Client ID: TB-11-18
Site: Dexter Chemical

Lab Sample No: 32223
Lab Job No: Z339

Date Sampled: 11/18/97
Date Received: 11/19/97
Date Analyzed: 11/24/97
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5676.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

CHAIN-OF-CUSTODY

PROJECT NAME: Dexter Chemical
PROJECT NO: 97 - 09 - 10
LABORATORY: Envirotech Research

SITE ADDRESS: Bronx, NY
SAMPLE DATE: 11 - 18 - 97
SAMPLER(S): G.Weissberger / L.Westcott / T.Peters

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
0925	Interior Soil Boring	ISB - 1	7 - 9'	soil	VO+10, BN+15, PPM, PCB 32211	ice	2	RUSH
1002	Interior Soil Boring	ISB - 2	1 - 1.5'	soil	BN+15, PPM, PCB 32212	ice	1	3 DAY T.A.T.
1005	Interior Soil Boring	ISB - 2	7 - 8'	soil	VO+10 32213	ice	1	NYS / NYC Analysis
1027	Interior Soil Boring	ISB - 3	3 - 4'	soil	BN+15, PPM, PCB 32214	ice	1	
1029	Interior Soil Boring	ISB - 3	7 - 8'	soil	VO+10 32215	ice	1	
1137	Heating Oil Tank Area-borings	H0 - 1	3 - 4'	soil	BN+15 32216	ice	1	
1216	Heating Oil Tank Area-borings	H0 - 2	4 - 6'	soil	BN+15 32217	ice	1	
1239	Heating Oil Tank Area-borings	H0 - 3	4 - 6'	soil	BN+15 32218	ice	1	
~~1350~~	~~Isopropyl Tank Area-borings~~	~~ITA - 1~~	~~3 - 6'~~	~~soil~~	~~Isopropyl Alcohol~~	~~ice~~	~~1~~	
~~1409~~	~~Isopropyl Tank Area-borings~~	~~ITA - 2~~	~~7 - 9'~~	~~soil~~	~~Isopropyl Alcohol~~	~~ice~~	~~1~~	
~~1453~~	~~Isopropyl Tank Area-borings~~	~~ITA - 3~~	~~7 - 9'~~	~~soil~~	~~Isopropyl Alcohol~~	~~ice~~	~~1~~	
1028	ISB - 1 Boring	ISB - 1 - GW	n/a	h2o	VO+10, BN+15, PPM, PCB 32219	ice/hcl/hno3	6	
1151	ISB - 2 Boring	ISB - 2 - GW	n/a	h2o	VO+10, BN+15, PPM, PCB 32220	ice/hcl/hno3	6	

RELINQUISHED BY: [signature] DATE: 11/19/97 TIME: 8:30 RECEIVED BY: [signature] DATE: 11.19.97 TIME 1100

RELINQUISHED BY: Wayne Lisk DATE: 11.19.97 TIME: 1.53 RECEIVED BY: [signature] DATE: 11/19/97 TIME 1530

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

CHAIN-OF-CUSTODY

PROJECT NAME: Dexter Chemical
PROJECT NO: 97 - 09 - 10
LABORATORY: Envirotech Research

SITE ADDRESS: Bronx, NY
SAMPLE DATE: 11 - 18 - 97
SAMPLER(S): G.Weissberger / L.Westcott / T.Peters

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1220	ISB - 3 Boring	ISB - 3 - GW	n/a	h2o	VO+10, BN+15, PPM, PCB 32221	ice/hcl/hno3	6	RUSH
1455	Field Blank	FB - 11/18	n/a	h2o	VO+10, BN+15, PPM, PCB, Isopropyl Alcohol 32222	ice/hcl/hno3	5	3 DAY T.A.T.
-	Trip Blank	TB - 11/18	n/a	h2o	VO+10 32223	ice/hcl	2	NYS / NYC Analysis

RELINQUISHED BY: [signature] DATE: 11/19/97 TIME: 8:30 RECEIVED BY: Wayne Clark DATE: 11/19/97 TIME 1200

RELINQUISHED BY: Wayne Clark DATE: 11/19/97 TIME: 1530 RECEIVED BY: [signature] DATE: 11/19/97 TIME 1530

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

TOTAL NO. CONTAINERS_____