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MAY 1998

HAZARDOUS WASTE
REMEDATION

REMEDIAL 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

MAY 1998

44 West Ferris Street, East Brunswick, New Jersey 08816

THE
WHITMAN
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May 4, 1998

Leonard Sitver, President
Dexter Chemical Corporation
845 Edgewater Road
Bronx, NY 10474

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1998

**HAZARDOUS WASTE
REMEDATION**

RE: Remedial Investigation Report
Dexter Chemical Corporation
Bronx, New York
Whitman Project #97-09-10

Dear Mr. Sitver:

Attached please find ten (10) copies of our Company's Remedial Investigation Report for Dexter Chemical Company. Together with our Phase II investigation of January 1998 and our Phase I Report completed in September 1997 provides a complete environmental characterization of the Dexter site.

The report contains recommendations for further action at the Dexter property including:

- Encapsulation of historic soil contamination
- Ground water remediation by natural attenuation following some additional confirmatory sampling
- Removal of the three underground storage tanks; two(2) containing Isopropyl Alcohol and one (1) containing heating oil

Volume 2 of the report, containing the detailed QA/QC backup to the laboratory data will be kept in our office and will be provided upon request.

The attached report together with the two earlier reports is suitable for submittal to New York State Department of Environmental Conservation (NYSDEC) under their Voluntary Cleanup Program.

Leonard Sitver, President
Dexter Chemical Corporation
May 4, 1998
Page 2

Following your review of the report and the recommendations we would be pleased to meet with you and the other parties to your proposed transaction to discuss the significance of the report and the recommended follow-up actions.

Please feel free to contact Tom Peter or me if you have any questions regarding the report, and to discuss any follow-up actions.

Very truly yours,



Ira L. Whitman, P.E.

ILW/sm

cc: Thomas Peter, The Whitman Companies, Inc.

**REMEDIAL INVESTIGATION
DEXTER CHEMICAL CORPORATION
BRONX, NEW YORK**

Table of Contents

1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	1
3.0	TECHNICAL OVERVIEW.....	2
4.0	RESULTS OF SOIL INVESTIGATION	3
4.1	Background and Sampling	3
4.2	Findings.....	4
4.2.1	Volatile Organic Compounds	4
4.2.2	Base/Neutral Extractable Organic Compounds	4
4.2.3	Priority Pollutant Metals	5
4.2.4	Summary of Contaminants	5
4.2.5	PID Field Measurements.....	6
4.2.6	Isopropyl Alcohol	7
4.2.7	Total Organic Carbon	7
4.2.8	Samples with Adjusted Cleanup Objectives	7
4.2.9	Natural Soil Samples.....	9
4.3	Summary of Source of Contaminants	10
5.0	RESULTS OF GROUND WATER INVESTIGATION	10
5.1	Background and Sampling	10
5.2	Findings.....	11
5.2.1	Contaminants Detected	11
5.2.2	Ground Water Flow Direction	12
5.3	Downgradient Receptors	13
5.4	Summary and Source of Contaminants	13
6.0	CONCLUSIONS AND RECOMMENDATIONS	13
6.1	Conclusions Contaminant Characterization	13
6.2	Recommendations – Remediation.....	15
6.2.1	Soil	15
6.2.2	Ground Water.....	15
6.2.3	Underground Storage Tanks	16



TABLES

1. Summary of Volatile Organic Results for Soil
2. Summary of Base/Neutral Extractable Organics Results for Soil
3. Summary of Priority Pollutant Metal Results for Soil
4. Summary of Volatile Organic Results for Ground Water
5. Summary of Base/Neutral Extractable Organic Results for Ground Water
6. Summary of Priority Pollutant Metal Results for Ground Water

FIGURES

1. Site Location on U.S.G.S. Central Park Quadrangle
2. Site Map Soil and Ground Water Sample Locations
3. Site Map Ground Water Contour Map

ATTACHMENTS

1. Soil Boring Logs
2. Well Logs
3. Well Purging and Sampling Forms
4. Laboratory Data Sheets (3/10/98, 3/11/98, 3/12/98, 3/26/98)



**REMEDIAL 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. A Phase II environmental site investigation was conducted to assess the areas of potential environmental concern.

The Phase II environmental site investigation activities were conducted on November 18, 1997. Soil and grab ground water samples were collected to investigate three (3) areas of potential environmental concern (APECs): 1) 819 Edgewater Road Plant Subsurface Contamination, 2) 5,000 Gallon No. 4 Heating Oil Underground Storage Tank (UST), and 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 the initial investigation indicated the presence of ground water and soil contaminants with Volatile Organic Compounds, Base/Neutral Extractable Organic Compounds, and Priority Pollutant Metals, at concentrations above the NYSDEC recommended Soil Cleanup Objectives and Ground Water Standards/Criteria.

Remedial Investigation activities were conducted on March 10 through March 12, 1998. The investigation consisted of seventeen (17) soil borings and the installation of six (6) groundwater monitoring wells. The purpose of the remedial investigation was to characterize and assess potential contamination across the property; determine the origin of the contaminants, i.e., off-site source, on-site sources from historic or present operations, and/or historic fill; and make recommendations with respect to a potential program for site remediation.

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. Industrial facilities are located north and south of the property. A scrap metal yard is located to the east and residential apartments and a sheet metal company 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 November 1997 and March 1998 soil and ground water 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 between 2 to 12 feet below grade, across the site.

The regional geology in the vicinity of the site is of Paleozoic Era, Ordovician System consisting of shale and limestone, stratified sequence and Manhattan Formation with undivided pelitic schists, and amphibolite.

The soil encountered at the site through sampling activities generally consists of fill material historically placed to raise the topographic elevation of the property to its current grade. The fill material included silty soil, some sand and clay, cinders, coal fragments, gravel and debris (concrete, glass, wood, and brick fragments). This material can be classified as historic fill which can contain Polynuclear Aromatic Hydrocarbons (i.e. Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene) and Priority Pollutant Metals. A distinct organic layer described as meadow mat by the field geologist was encountered at 13 to 16 feet. This layer is indicative of native soil for the area. The soil profiles are presented in the soil boring logs included as Attachment I to this report.

3.0 TECHNICAL OVERVIEW

The Remedial 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 equipment.

On February 27, 1998, a mark-out was requested for identifying subsurface utilities (case #'s 580073 & 580075). On March 4, 1998, prior to drilling and sampling, the appropriate street opening permit was obtained through Miller Environmental Group, Inc., Calverton, New York (Permit # X01-98063-013). Upon arrival on March 10, 1998, Whitman technical staff and Miller Environmental staff reviewed the scope of work, sample locations and the site-specific health and safety plan.



Seventeen (17) soil borings were advanced by Miller Environmental Group, Inc. using a GeoProbe sampling device. Soil samples were collected from three (3) feet long steel macro-core samplers lined with a disposable plastic liner. One-inch diameter macro-cores were used on March 10th and a three-inch diameter-macro core was used on March 11th and 12th. 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 soil boring logs and PID readings are presented in Attachment 1.

Six (6) ground water monitoring wells were installed using both auger and air rotary drills. The wells were constructed of four (4) inch diameter schedule 40 PVC casing. The well cuttings (soil removed during well installation) and purge water were drummed on site for disposal by Dexter Chemical. The wells are protected by flush-mounted steel casings and locking caps. Well logs detailing well construction and soils encountered are provided in Attachment 2.

Soil and groundwater sample analyses were performed by Envirotech Research, Inc., Edison, New Jersey, a NYS Department of Health accredited laboratory (ELAP# 11452). Soil and ground water samples were analyzed for Volatile Organic Compounds (VO+10), Base/Neutral Extractable Organic Compounds (BN+15), and Priority Pollutant Metals (PPMetals). Selected soil samples were also analyzed for Total Organic Carbon (TOC) and Isopropyl Alcohol.

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 samples 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 RESULTS OF SOIL INVESTIGATION

4.1 Background and Sampling

A soil investigation was conducted in March 1998 to delineate the presence of BN+15 and PPMetals detected in historic fill samples collected in November 1997 and the potential presence of VO+10 contamination throughout the 819 Edgewater Road/842 Whittier Street plant areas. VO+10 contamination was detected below the 819 Edgewater Road plant in sampling collected in November 1997 (Figure 2, sample locations ISB-1 to ISB-3).

Seventeen (17) soil borings were advanced using a Geoprobe sampling device. Two soil samples were collected from each boring, one (1) sample above and one (1) sample at the estimated



depth to ground water. The sample depth for the above ground water sample was determined by the highest PID reading or by field observations. The range of sample depth was between 1 and 4.5 feet below grade. At four (4) selected locations, soil samples were collected to represent natural soil present beneath the fill. Six (6) soil samples were collected at the monitoring well locations using stainless steel split spoons at depths between 4.5 and 14 feet below grade. A total of 36 soil samples were collected. Each soil sample was analyzed for VO+10, BN+15 and PPMetals by Envirotech Research, Inc. Nine (9) of the samples included analysis for Total Organic Carbon (TOC). Two soil samples (samples E-4 3-3.5 and MW-3 8-9) collected in the Isopropyl Alcohol tank area (Area E, Figure 2) included analysis for Isopropyl Alcohol.

4.2 Findings

The analytical results indicate the presence of VO+10, BN+15 and PPMetal contamination in soil samples in excess of the NYSDEC 1994 Recommended Soil Cleanup Objectives (NYSDEC Objectives). The analytical results for each parameter are presented below. Analytical results are presented in Tables 1 through 8. Analytical data sheets are included as Attachment 4. The laboratory QA/QC documentation is included as Volume 2.

4.2.1 Volatile Organic Compounds

Two sample locations had volatile organic compounds present above the NYSDEC Objectives. One locations was in the 819 Edgewater Road Plant (sample A-1) and the other was adjacent to the 842 Whittier Street Plant (Sample I-1). The volatile organic compounds exceeding the NYSDEC Objectives included Benzene, Chlorobenzene, Ethylbenzene, and Xylene. The sample depths at which these compounds were detected are 4-6 feet (sample A-1) and 7.5-8 feet (sample I-1).

4.2.2 Base/Neutral Extractable Organic Compounds

Base/Neutral Extractable Organic Compounds were detected above the NYSDEC Objectives in fifteen (15) of the soil samples. The Base/Neutral Extractable Organic Compounds detected above the NYSDEC Objectives included: 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene, Naphthalene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, and Dibenz(a,h)anthracene. These compounds were detected across the site at depths ranging from 1-2 feet to 15-16 feet, in areas B, E, I, M and in the monitoring well soil samples.



4.2.3 Priority Pollutant Metals

Priority Pollutant Metals (PPMetals) were detected above the NYSDEC Objectives in all 35 soil samples. The PPMetals detected above the NYSDEC Objectives included: Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, and Zinc. Varying concentrations of these metals were detected in all soil samples. The depths at which metals were detected ranged from 1-2 feet to 21 feet.

4.2.4 Summary of Contaminants

The following is a summary of the soil contaminants detected at concentrations exceeding the NYSDEC Objectives.

<u>VO+10</u>	<u>Range Detected (ug/kg)</u>	<u>Locations</u>
Benzene	430	A
Chlorobenzene	7200	A
Ethylbenzene	8400	I
Xylene	25,000-45,000	A,I
 <u>BN+15</u>	 <u>Range Detected (ug/kg)</u>	 <u>Locations</u>
Benzo(a)anthracene	230-6800	B,E,I,M,MW-1,2,3,4
Benzo(a)pyrene	71-5700	B,E,I,M,MW-1,2,3,4
Chrysene	470-7700	B,E,I,M,MW-1,3,4
Dibenz(a,h)anthracene	26-830	B,E,I,MW-1,2,3
Benzo(b)fluoranthracene	1400-7600	E
Benzo(k)fluoranthene	3000	E
1,3-Dichlorobenzene	1900	I
1,4-Dichlorobenzene	14000	I
1,2,4-Trichlorobenzene	110000	I
Naphthalene	18000	I



<u>PPMetals</u>	<u>Range Detected (mg/kg)</u>	<u>Locations</u>
Arsenic	7.9-46.7	A,B,E
Beryllium	0.17-1.1	A,B,E,I,M
Cadmium	1.8	E
Chromium	11.1-66.4	A,B,E,I,M
Copper	29.4-238	B,E,I,MW-1,M
Nickel	13.2-54.4	A,B,E,I,M,MW-1
Selenium	2.9-5.1	E,MW-1
Zinc	50.9-1320	A,B,E,I,M, MW-1,2,3,4,5,6

ug/kg=ppb (parts per billion)

mg/kg=ppm (parts per million)

Locations corresponding to Figures 2 and 3.

A=819 Edgewater Road – Plant

I=842 Whittier Street – Yard

B=819 Edgewater Road – Yard

M=810-820 Whittier Street Warehouse

E=845 Edgewater Road – Parking Lot/Yard

MW=Monitoring Well

4.2.5 PID Field Measurements

The PID field readings from the soils ranged from 0.0 ppm to 350 ppm at depths from 1.5 feet to 10.5 feet. The following is a summary of the highest readings for the soil borings and monitoring well soil.

<u>Location</u>	<u>Highest PID Reading</u>	<u>Location</u>	<u>Highest PID Reading</u>
A-1	350 ppm @ 4-4.5 ft.	I-2	17.3 ppm @ 7.5-8 ft.
B-1	208 ppm @ 4-4.5 ft.	M-1	2.5 ppm @ 10 ft.
B-2	0.3 ppm @ 4.5 ft.	M-2	0 ppm
B-3	19.7 ppm @ 10 ft.	M-3	0 ppm
B-4	10.1 ppm @ 3.5 ft.	M-4	0 ppm
E-1	4.1 ppm @ 10-10.5 ft.	MW-1	20.3 ppm @ 8 ft.
E-2	104 ppm @ 1.5 ft.	MW-2	0 ppm
E-4	4.5 ppm @ 3.5 ft.	MW-3	0 ppm
E-5	15 ppm @ 1-1.5 ft.	MW-4	0 ppm
E-6	0 ppm	MW-5	41 ppm @ 4-4.5 ft.
I-1	221 ppm @ 7.5-8 ft.	MW-6	5 ppm @ 8 ft.



4.2.6 Isopropyl Alcohol

Two soil samples were collected in Area E for Isopropyl Alcohol analysis (E-4 at 3-3.5 feet, MW-3 at 8-9 feet). Isopropyl Alcohol was not detected in either soil sample.

At soil boring location E-3, adjacent to where Isopropyl Alcohol is stored, a clear oil-like liquid was observed. The Geoprobe sampling device hit an unknown object at the proposed sample location, E-3, at a depth of 8 inches. When the sampling device was retracted from the boring hole a clear/yellowish liquid was observed. A 5,500 gallon Isopar underground storage tank was removed from this area in January 1993. The material observed was most likely Isopar. Isopar [coparaфинnate] is a relatively inert paraffin-based oil. The pipe lines for the Isopar tanks still remain abandoned in place.

4.2.7 Total Organic Carbon

The NYSDEC Soil Cleanup Objectives are based on a soil organic carbon content of 1% (0.01). NYSDEC Memorandum HWR-94-4046 states that the Soil Cleanup Objectives should be adjusted for the actual organic carbon content if it is known. Nine (9) soil samples were collected for TOC. All of the TOC samples collected were above 1%, therefore adjustments to the NYSDEC Soil Cleanup Objectives were made on each sample, increasing the Cleanup Objective value. Because the site is primarily composed of inconsistent fill material, it is difficult to correlate or generalize TOC levels for all samples. The following is a summary of the TOC sample results.

<u>SAMPLE ID</u>	<u>SAMPLE DEPTH</u>	<u>TOC (mg/kg dry weight)</u>	<u>% TOC</u>
A-1	4-6 Feet	53,700	5.37%
A-1	6-9 Feet	61,500	6.15%
A-1	20-21 Feet	43,800	4.38%
B-1	4-6 Feet	41,400	4.14%
B-1	16-18 Feet	145,000	14.50%
B-3	1-2 Feet	82,000	8.20%
B-3	15-16 Feet	151,000	15.10%
MW-3	13.5-14	164,000	16.40%
E-4	3-3.5 Feet	20,600	2.06%

4.2.8 Samples with Adjusted Cleanup Objectives

Using the analytical results for TOC, the NYSDEC Cleanup Objectives were adjusted by multiplying the original value times the %TOC. The following is a summary of the soil contaminants that were determined to be below the NYSDEC Cleanup Objectives after TOC



adjustment calculations. The values presented below are the original and adjusted NYSDEC Cleanup Objectives.

Sample A-1 4-6

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Chlorobenzene	1700 ug/kg	5.37	9,129 ug/kg
Xylene (Total)	1200 ug/kg	5.37	6,444 ug/kg

Sample A-1 20-21

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Arsenic	7.5 mg/kg	4.38	32.9 mg/kg
Chromium	10 mg/kg	4.38	43.8 mg/kg
Nickel	13 mg/kg	4.38	56.9 mg/kg
Zinc	20 mg/kg	4.38	87.6 mg/kg

Sample B-1 4-6

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Beryllium	0.16 mg/kg	4.14	0.66 mg/kg
Copper	25 mg/kg	4.14	03.5 mg/kg

Sample B-1 16-18

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Arsenic	7.5 mg/kg	14.5	108.8 mg/kg
Beryllium	0.16 mg/kg	14.5	2.32 mg/kg
Chromium	10 mg/kg	14.5	145 mg/kg
Nickel	13 mg/kg	14.5	188.5 mg/kg
Zinc	20 mg/kg	14.5	290 mg/kg

Sample B-3 1-2

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Benzo(a)anthracene	224 ug/kg	8.2	1,836 ug/kg
Chrysene	400 ug/kg	8.2	3,280 ug/kg
Benzo(a)pyrene	61 ug/kg	8.2	500.2 ug/kg
Beryllium	0.16 mg/kg	8.2	1.31 ug/kg
Chromium	10 mg/kg	8.2	82 ug/k
Copper	25 mg/kg	8.2	205 ug/kg
Nickel	13 mg/kg	8.2	106.6 ug/kg



Sample B-3 15-16

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Benzo(a)pyrene	61 ug/kg	15.1	921.1 ug/kg
Beryllium	0.16 mg/kg	15.1	2.42 mg/kg
Chromium	10 mg/kg	15.1	151 mg/kg
Nickel	13 mg/kg	15.1	196.3 mg/kg
Zinc	20 mg/kg	15.1	302 mg/kg

Sample MW-3 13.5-14

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Benzo(a)anthracene	224 ug/kg	16.4	3,673 ug/kg
Benzo(a)pyrene	61 ug/kg	16.4	1,000 ug/kg
Beryllium	0.16 mg/kg	16.4	2.6 mg/kg
Chromium	10 mg/kg	16.4	164 mg/kg
Copper	25 mg/kg	16.4	410 mg/kg
Zinc	20 mg/kg	16.4	328 mg/kg

Sample E-4 3-3.5

<u>Compound</u>	<u>Original Value</u>	<u>% TOC</u>	<u>Adjusted Value</u>
Benzo(b)fluoranthene	1100 ug/kg	2.06	2,266 ug/kg
Beryllium	0.16 mg/kg	2.06	0.33 mg/kg

4.2.9 Natural Soil Samples

At four (4) locations, soil samples were collected from natural soil present beneath the fill. Base/Neutral Extractable Organic Compounds and Priority Pollutant Metals were detected above the NYSDEC Objectives in the soil samples. The following is a summary of the sample results.

<u>Sample ID</u>	<u>Sample Depth</u>	<u>Contaminants Found Above NYSDEC Objectives</u>
A-1	20-21 ft.	Arsenic [7.9 mg/kg], Beryllium [0.89 mg/kg], Chromium [36.4 mg/kg], Nickel [26.4], Zinc [76.4 mg/kg]
B-1	16-18 ft.	Arsenic [8.3 mg/kg], Beryllium [0.63 mg/kg], Chromium [28.9 mg/kg], Nickel [18.6], Zinc [50.9 mg/kg]
B-3	15-16 ft.	Benzo(a)pyrene [71 ug/kg], Beryllium [0.42 mg/kg], Chromium [33.7 mg/kg], Nickel [23.5], Zinc [125 mg/kg]



<u>Sample ID</u>	<u>Sample Depth</u>	<u>Contaminants Found Above NYSDEC Objectives</u>
MW-3	13.5-14 ft.	Benzo(a)anthracene [240 ug/kg], Benzo(a)pyrene [180 ug/kg], Beryllium [0.19 mg/kg], Chromium [56.5 mg/kg], Copper [78.1 mg/kg], Zinc [51 mg/kg]

4.3 Summary of Source of Contaminants

Base/Neutral Extractable Organic Compounds and Priority Pollutant Metals were identified in the soil across the site and at varying depths (1 to 21 feet). The inconsistencies between concentrations and sample depths lead to the conclusion that they are associated with historic fill. Base/Neutral Extractable Organic Compounds and Metals are common in historic fill that contains cinders and other remnants of coal materials.

Volatile Organic Compounds (Benzene, Chlorobenzene, Ethylbenzene, and Xylene) were detected in the soil below the 819 Edgewater Road Plant (location A-1) and downgradient from the 842 Whittier Street Plant (location I-1). It is likely that these Volatile Organic Compounds are derived from historic industrial operations. Comparing the Volatile Organic Compounds detected in the soil samples and their respective locations on site, it is likely that the compounds in the soil originated from past industrial operations since Dexter does not use these compounds in their manufacturing operations.

5.0 RESULTS OF GROUND WATER INVESTIGATION

5.1 Background and Sampling

A ground water investigation was conducted by installing six (6) monitoring wells to characterize ground water quality and flow across the site. This investigation was conducted in March 1998 to determine the impact of VO+10, BN+15, and PPMetals detected in the grab ground water samples from the November 1997 Phase II Site Investigation.

Six (6) monitoring wells were installed by Miller Environmental Group, Inc. using air rotary and auger drills. Four (4) wells were installed on the perimeter of the 819 Edgewater Road/842 Whittier Street plant property, two upgradient and two downgradient based on perceived ground water flow. Two (2) wells were installed in the interior of the Dexter property, one (1) in the 819 Edgewater Road yard (Area B) and one (1) in the 842 Whittier Street yard (Area E). The wells were sampled on March 26, 1998, two (2) weeks after installation. One sample was collected from each well and analyzed for VO+10, BN+15, and PPMetals by Envirotech Research, Inc., a NYS DOH certified laboratory. The sample collected from MW-3 in the Isopropyl Alcohol tank area



included analysis for Isopropyl Alcohol. PPMetal samples were collected using a micro-purge method of ground water recovery. This method involved pumping ground water from the monitoring well at a slow rate to minimize the effect of suspended solids on the PPMetal analysis. The PPMetal samples were collected when field analysis indicated consistent readings. Field analysis was conducted for ground water pH, temperature, conductivity, dissolved oxygen, and turbidity. Field analysis results are presented on the Well Purging and Sampling Forms in Attachment 3. A survey of well elevations with respect to an onsite reference point was conducted to determine ground water flow direction. Well locations and ground water contours are depicted in Figure 3.

5.2 Findings

Of the six monitoring wells installed, only two wells had samples that contained concentrations of contaminants exceeding the NYSDEC Ground Water Standards/Criteria, MW-3 and MW-6. No contaminants were detected above the NYSDEC Ground Water Standards/Criteria in MW-1 and MW-2, located in the sidewalk on Whittier Street, MW-4 located in the Edgewater Road sidewalk, and MW-5, located in the courtyard, Area B.

5.2.1 Contaminants Detected

The following is a compilation of contaminants detected in the ground water samples at concentrations exceeding the NYSDEC 1993 (for metals) and 1994 Ground Water Standards/Criteria.

<u>VO+10</u>	<u>Range Detected(ug/l)</u>	<u>Locations</u>
1,2-Dichloropropane	38	MW-6
Toluene	6.3-51	MW-3, MW-6
Ethylbenzene	12-110	MW-3, MW-6
Benzene	0.9-35	MW-3, MW-6
Xylene	110-630	MW-3, MW-6
<u>BN+15</u>	<u>Range Detected (ug/l)</u>	<u>Locations</u>
1,2,4-Trichlorobenzene	24	MW-6
Naphthalene	20-68	MW-3, MW-6
Diethylphalate	68	MW-6



<u>PPMetal</u>	<u>Range Detected</u> (ug/l)	<u>Location</u>
Chromium	51.9	MW-3

ug/l=ppb (parts per billion)

Locations corresponding to Figures 2 and 3.

MW-3=Monitoring well, downgradient from Edgewater Road Plant

MW-6=Monitoring well, downgradient from 842 Whittier Street Plant

A library search of Tentatively Identified Compounds (TICs) was conducted for the six (6) ground water samples. The total estimated concentrations for the Volatile Organic TICs ranged from 0 ppb to 3,430 ppb, most of which were isomers of benzene compounds. The total estimated concentrations for the Base/Neutral Extractable Organic TICs ranged from 0 ppb to 3068 ppb, most of which were isomers of Benzene, Phenol, Nonylphenol compounds and unknown alkanes.

An additional ground water sample was collected at MW-3 for Isopropyl Alcohol analysis. The laboratory result reported a concentration of Isopropyl Alcohol in the groundwater at 8,170 ug/l (ppb). Currently NYSDEC does not list Isopropyl Alcohol on the 1993 and 1994 Ground Water Standards/Criteria.

5.2.2 Ground Water Flow Direction

Based on site and area topography and the presence of the Bronx River located directly to the east of the site, ground water flow direction was estimated to be east prior to the installation of the wells. MW-1 and MW-2 were installed as upgradient wells and MW-4 and MW-6 were installed as downgradient wells.

A well survey was performed and the ground water elevations recorded. Locations of MW-2 through MW-6 were used to calculate the ground water flow. MW-1 was not included in the calculations as the water level in MW-1 was anomalous and did not correspond with the other measurements. The general ground water flow was determined to be in an easterly direction, which corresponds to the site topography. A ground water contour map is included as Figure 3. The depth to ground water measured from the top of the well casing ranged from approximately 5 to 11.5 feet. The following is a summary of the ground water depths:

<u>Well Number</u>	<u>Depth to Ground Water</u>	<u>Ground Water Elevation¹</u>
MW-1	11.59 feet	88.40*
MW-2	10.67 feet	88.89
MW-3	8.31 feet	88.79
MW-4	5.07 feet	88.20



<u>Well Number</u>	<u>Depth to Ground Water</u>	<u>Ground Water Elevation¹</u>
MW-5	4.93 feet	88.48
MW-6	5.93 feet	88.57

¹ Ground water elevation with respect to an assumed benchmark of 100 feet.

* Anomalous elevation.

5.3 Downgradient Receptors

As a part of this investigation, Whitman assessed the possible presence of downgradient receptors, i.e. ground water wells and process wells. After communicating with the New York State Department of Health, New York State Department of Environmental Conservation, and the Bronx Bureau of Customer Conservation Services, no downgradient wells were reported.

5.4 Summary and Source of Contaminants

The analytical results indicate the presence of 1,2-Dichloropropane, Benzene, Toluene, Ethylbenzene, Xylene, and Naphthalene in the ground water at two (2) locations and Chromium at one (1) location in excess of the NYSDEC 1993 and 1994 Ground Water Standards/Criteria. The presence of Chromium is common in historic fill while the Volatile Organics and Naphthalene may be derived from past industrial operations on the Dexter property. There is a correlation between the locations of the Volatile Organic Compounds and the locations of the manufacturing operations. MW-3 is down gradient from the 842 Whittier Street Plant and MW-6 is down gradient from the 819 Edgewater Plant. The prior industrial operations in these two plants consisted of paint manufacturing and metal working which are likely to be the source of the Volatile and Base/Neutral Extractable Organic Compounds detected in the groundwater.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions - Contaminant Characterization

The November 1997 and March 1998 investigations revealed the presence of Volatile Organic Compounds, Base/Neutral Extractable Organic Compounds, and Priority Pollutant Metals in the soil and groundwater on the Dexter Chemical property. The contaminants found are attributed to historic fill and prior industrial operations.

The Base/Neutral Extractable Organic Compounds and the Priority Pollutant Metals are attributed to historic fill used across the site. Soil profiles identified fill material as deep as 15



feet below grade. Historic fill can consist of coal, ash and cinders and other non-indigenous materials containing various Base/Neutral Extractable Organic Compounds and Priority Pollutant Metals. These contaminants were found inconsistently across the site at varying depths. These contaminants were not delineated to one particular location in the soil or the ground water and appear to be general contaminants across the property.

Volatile Organic Compounds were detected in the soil and the groundwater only in two distinct areas; the 819 Edgewater Road Plant and the 842 Whittier Street Plant. The VO's in the soil and ground water are attributed to historic industrial operations on the property including paint manufacturing and metal working operations. The specific Volatile Organic Compounds and Base/Neutral Extractable Organic Compounds detected in this investigation are characteristic of paint and solvent use.

The Volatile Organic Compounds and Base/Neutral Extractable Organic Compounds in the ground water extend, to a certain degree, downgradient from each plant location. However, they also are likely to be naturally attenuating. An example of natural attenuation exists on site where Volatile Organic Compounds and Base/Neutral Extractable Organic Compounds were detected in MW-3 but were not detected in the down gradient monitoring well MW-4.

The areas containing contamination above the NYSDEC soil and ground water guidelines do not pose a significant environmental threat for the following reasons:

- There are no downgradient ground water uses that could potentially be impacted by contamination migrating downgradient from Dexter.
- Potable water and process water supplies for the subject property and the downgradient properties are met by the public/municipal systems.
- The surface of the Dexter Chemical property is completely encapsulated with asphalt and concrete, limiting surface water penetration to the soil and ground water, and limiting direct exposure to the contaminants by the employees.
- Contaminants in ground water are naturally attenuating. Case in point, contaminants found in MW-3 were not detected in the downgradient monitoring well MW-4.
- Current industrial operations at Dexter are not using chemicals or products resembling the contaminants found in the soil and ground water. Therefore, it is clear that



discharges of contaminants have ceased and that present (and future) industrial operations are not contributing additional soil or ground water contamination.

6.2 Recommendations – Remediation

6.2.1 Soil

The Dexter Chemical Corporation property in the Hunts Point section of the Bronx has been used in manufacturing for many years. The owners and operators of the property plan to continue to operate the site for manufacturing.

Because the site is largely capped by concrete and asphalt surfaces, there is no exposure or risk to employees or site occupants to the on-site contamination. The profile of materials found in both soil and ground water samples indicates that materials presently used in manufacturing operations are not being discharged, and are not adding in any way to the subsurface contamination.

Therefore, the recommended remediation for contaminated soil at Dexter is continued encapsulation in the following manner:

- All floor areas where manufacturing operations take place or where hazardous materials are handled will be thoroughly inspected for cracks, breaks or other discontinuities. All asphalt paved areas will be inspected.
- Plant floor surfaces will be re-sealed with concrete to encapsulate all soil contaminants under building footprints.
- Outdoor paved surfaces will be repaired or repaved where pavement is found not to be intact.
- An inspection and maintenance program will be established to assure the future integrity of all areas of encapsulation.

6.2.2 Ground Water

Ground water contamination at Dexter has been found to be associated only with prior manufacturing operations. Because MW-4, downgradient of a contaminated MW-3, is not



contaminated, it is evident that the processes of natural attenuation are at work on the existing ground water contamination.

It is recommended that natural attenuation, in concert with the encapsulation of all soil contaminants, be the primary means of ground water control and remediation at the Dexter property. To implement a program of ground water control by natural attenuation, the following procedures are recommended.

- Re-sample the monitoring wells to confirm the results attained in March 1998.
- Take additional water level measurements to confirm flow direction.
- Perform in-well slug testing to determine hydraulic conductivity used to calculate ground water flow velocity.
- Calculate the distance over which plumes of contaminants are present downgradient of MW-3 and MW-6. Use these calculations to demonstrate the efficacy of natural attenuation in conjunction with the ground water contaminants at Dexter.
- Following the approvals by NYSDEC for ground water control by natural attenuation, seal the six monitoring wells at Dexter.

6.2.3 Underground Storage Tanks

There are three (3) remaining underground tanks at Dexter, which Dexter anticipates removing in the foreseeable future. Of the three tanks, the two Isopropyl Alcohol tanks do not store regulated materials.

These tanks should be removed following NYSDEC guidelines. Upon tank removal and backfilling, the former excavation areas should be paved to assure the asphalt provides sound encapsulation and continuity with the adjacent areas.



TABLE 1
Dexter Chemical Corporation
Summary of Volatile Organics
Results For Soil

Sample ID	1994 NYSDEC Rec. Soil Cleanup Objective ug/kg	A-1 4-6 48923 03/10/98 4-6 ug/kg	A-1 20-21 48925 03/10/98 20-21 ug/kg	B-1 4-6 48926 03/10/98 4-6 ug/kg	B-1 16-18 48927 03/10/98 16-18 ug/kg	B-2 1-2 48928 03/10/98 1-2 ug/kg	B-2 3-4 48929 03/10/98 3-4 ug/kg	B-3 1-2 48931 03/10/98 1-2 ug/kg	48932 03/10/98 15-16 ug/kg	B-4 3.5-4 03/10/98 3.5-4 ug/kg	E-1 2.5-3 48938 2.5-3 ug/kg	E-1 10-10.5 48937 03/11/98 10-10.5 ug/kg	E-2 1.5-2 48939 03/11/98 1.5-2 ug/kg	E-2 2.5-3 48940 03/11/98 2.5-3 ug/kg	E-4 3-3.5 48941 03/11/98 3-3.5 ug/kg	E-5 3.5-4 48943 03/11/98 3.5-4 ug/kg	E-5 6.5-7 48944 03/11/98 6.5-7 ug/kg	E-6 3.5-4 48945 03/11/98 3.5-4 ug/kg	I-1 3.5-4 48946 03/11/98 3.5-4 ug/kg	I-1 7.5-8 48947 03/11/98 7.5-8 ug/kg
VOLATILE COMPOUNDS																				
Chloromethane	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1900	ND	ND	ND	ND	ND	ND	ND	3.4	1.2	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	6000	ND	ND	ND	ND	0.7	0.7	ND	ND	ND	ND	ND	14	ND	ND	ND	2.9	ND	2.8	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7	ND
Chloroform	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	430	ND	ND	ND	ND	ND	ND	7.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1400	ND	ND	ND	ND	ND	ND	ND	6	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1500	360	3	ND	160	0.6	ND	0.7	57	1	0.9	ND	ND	ND	0.6	ND	ND	1.2	0.7	ND
Chlorobenzene	1700	7200 *	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5500	3200	1.2	99	4.7	ND	ND	ND	170	ND	0.7	ND	64	ND	3.4	ND	ND	ND	ND	8400
Xylene (Total)	1200	25000 *	2.3	140	4.4	ND	ND	ND	940	ND	2.7	150	680	4.5	24	ND	ND	0.8	0.7	45000
Total Confident Conc.		36190	7.6	239	169.1	1.3	0.7	0.7	1204.3	2.2	9.2	252	758	4.5	23	0	2.9	5.8	4.9	53400
Total Estimated Conc. VOA TICs (s)		1710000	42	467000	1600	0	0	12	4388	0	117	38700	23200	350	221	0	0	0	7.8	497000

Results above 1994 NYSDEC Rec. Soil Cleanup Objective
Results below 1994 NYSDEC Rec. Soil Cleanup Objective after
* Total Organic Carbon (TOC) adjustment
NS - No Standard for Individual Contaminant
ND - None Detected
NA - Not Analyzed
TIC - Tentatively Identified Compounds

TABLE 1
Dexter Chemical Corporation
Summary of Volatile Organic
Results For Soil

Sample ID Lab Sample Number Sampling Date Sample Depth (feet) Units	1994 NYSDEC Rec. Soil Cleanup Objective ug/kg	I-2 7.5-8 48949 03/11/98 7.5-8 ug/kg	I-2 9.5-10 48950 03/11/98 9.5-10 ug/kg	MW-1 8-10 48948 03/11/98 8.0-10 ug/kg	MW-2 7-7.5 48942 03/11/98 7-7.5 ug/kg	MW-3 8-9 49337 03/12/98 8-9 ug/kg	MW-3 13.5-14 49338 03/12/98 13.5-14 ug/kg	MW-4 4.5-5 48933 3/10/98 4.5-5 ug/kg	MW-5 4.5-5 48930 3/10/98 4.5-5 ug/kg	MW-6 7-8 49339 3/12/98 7-8 ug/kg	M-1 8-10 48948 3/11/98 8-10 ug/kg	M-1 4 49331 3/12/98 4-4.5 ug/kg	M-2 8.5 49329 3/12/98 8.5-9 ug/kg	M-2 4 49332 3/12/98 4-4.5 ug/kg	M-2 9.5 49330 3/12/98 9.5-10 ug/kg	M-3 4 49333 3/12/98 4-4.5 ug/kg	M-3 11.5 49334 3/12/98 11.5-12 ug/kg	M-4 4 49335 3/12/98 4-4.5 ug/kg	M-4 9.5 49336 3/12/98 9.5-10 ug/kg
VOLATILE COMPOUNDS																			
Chloromethane	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	6000	2.3	2.5	2.4	ND	1.7	3.9	0.9	0.8	ND	2.4	ND	ND	ND	ND	ND	2.5	1.7	3.1
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	200	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NS	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NS	ND	1	ND	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
Chloroform	300	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	800	ND	ND	ND	ND	1.3	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9	1.1	23
Carbon Tetrachloride	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	700	ND	ND	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1
Dibromochloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1400	ND	ND	ND	ND	0.6	20	0.8	ND	ND	ND	ND	ND	ND	ND	ND	1.2	0.9	19
1,1,2,2-Tetrachloroethane	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1500	1	0.8	ND	ND	1.5	3.2	1.1	0.7	ND	ND	ND	ND	ND	ND	ND	0.8	0.8	1.9
Chlorobenzene	1700	9.6	6.1	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5500	3.4	2.2	ND	ND	5.7	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	1200	11	11	19	ND	38	6.0	3.5	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	1.0
Total Confident Conc.		27.3	23.6	21.4	0	48.8	148.9	14.9	1.5	0	21.4	0	0	0	0	8.9	9.5	4.5	50.1
Total Estimated Conc. VOA TICs (s)		730	310	2900	0	834	32	1000	3160	46800	0	0	0	0	0	12	0		7.4

☐ - Results above 1994 NYSDEC Rec. Soil Cleanup Objective
* - Results below 1994 NYSDEC Rec. Soil Cleanup Objective after
Total Organic Carbon (TOC) adjustment
NS - No Standard for Individual Contaminant
ND - None Detected
NA - Not Analyzed
TIC - Tentatively Identified Compounds

TABLE 2

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

Sample ID	1994 NYSDC Rec. Soil Cleanup Objective ug/kg	A-1 20-21 48923 03/10/98 20-21 ug/kg	B-1 16-18 48927 03/10/98 16-18 ug/kg	B-2 1-2 48928 03/10/98 1-2 ug/kg	B-2 3-4 48929 03/10/98 3-4 ug/kg	B-3 1-2 48931 03/10/98 1-2 ug/kg	B-3 15-16 48932 03/10/98 15-16 ug/kg	B-4 3.5-4 48934 03/10/98 3.5-4 ug/kg	E-1 2.5-3 48938 03/11/98 2.5-3 ug/kg	E-1 10-10.5 48937 03/11/98 10-10.5 ug/kg	E-2 1.5-2 48939 03/11/98 1.5-2 ug/kg	E-2 2.5-3 48940 03/11/98 2.5-3 ug/kg	E-4 3-3.5 48941 03/11/98 3-3.5 ug/kg	E-5 3.5-4 48943 03/11/98 3.5-4 ug/kg	E-6 3.5-4 48945 03/11/98 3.5-4 ug/kg	I-1 3.5-4 48946 03/11/98 3.5-4 ug/kg	I-1 7.5-8 48947 03/11/98 7.5-8 ug/kg	I-2 7.5-8 48949 03/11/98 7.5-8 ug/kg	I-2 9.5-10 48950 03/11/98 9.5-10 ug/kg
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl) ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73	ND	ND	63	1900	ND	64
1,4-Dichlorobenzene	8500	ND	ND	ND	ND	ND	ND	ND	270	160	ND	ND	300	ND	ND	320	14000	87	270
1,2-Dichlorobenzene	7900	ND	ND	ND	ND	ND	150	ND	470	ND	ND	ND	ND	ND	ND	34	6800	ND	23
bis(2-chloroisopropyl) ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	4400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	3400	ND	ND	ND	ND	ND	700	ND	1300	ND	66	ND	120	ND	ND	180	110000	220	99
1,2,4-Trichlorobenzene	13000	ND	36	ND	60	110	240	ND	1100	420	1200	30	160	ND	66	37	18000	310	520
Naphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41000	ND	26	74	440	120	54	ND	2500	610	320	ND	84	ND	44	32	560	ND	120
2,6-Dinitrotoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50000	ND	ND	ND	ND	34	280	ND	ND	ND	ND	ND	170	ND	100	140	530	ND	ND
2,4-Dinitrotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50000	ND	29	66	230	44	ND	ND	2000	730	270	9.4	240	ND	96	110	750	ND	68
N-Nitrosodiphenylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50000	18	150	770	640	410	160	83	13000	1600	1000	25	2000	12	1300	870	3400	20	450
Anthracene	50000	ND	43	230	120	120	ND	ND	3400	95	63	ND	600	ND	220	180	680	ND	110
Di-n-butylphthalate	8100	ND	ND	ND	ND	ND	ND	ND	ND	150	470	13	3100	ND	ND	1000	1200	15	560
Fluoranthene	50000	ND	130	1500	170	720	200	110	14000	190	430	9.6	2500	27	1400	960	1200	15	510
Pyrene	50000	13	110	1200	310	800	230	130	12000	ND	ND	ND	ND	31	1600	1200	1200	15	ND
Benzdine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224	14	73	700	89	450	130	60	6800	100	230	ND	1800	34	810	420	560	ND	280
Chrysene	400	ND	55	790	120	520	130	66	7700	47	250	ND	1900	21	1000	470	220	ND	290
bis(2-Ethylhexyl)phthalate	50000	ND	ND	80	ND	ND	ND	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	100
Di-n-octylphthalate	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1100	ND	42	780	75	640	100	75	7600	ND	220	ND	1900	22	790	420	240	ND	310
Benzo(k)fluoranthene	1100	ND	ND	350	ND	300	ND	31	3000	ND	98	ND	880	12	350	180	ND	ND	160
Benzo(a)pyrene	61	ND	31	640	71	450	120	40	5700	ND	150	ND	1600	18	640	350	210	ND	270
Indeno(1,2,3-cd)pyrene	3200	ND	ND	260	30	170	ND	ND	3000	ND	86	ND	770	9.6	290	150	ND	ND	130
Dibenz(a,h)anthracene	14	ND	ND	63	ND	ND	ND	ND	830	ND	ND	ND	210	ND	93	46	ND	ND	36
Benzo(g,h,i)perylene	50000	ND	ND	210	38	170	ND	ND	3100	ND	88	ND	750	8.2	320	150	ND	ND	140
Total Confident Conc. BN (s)		45	725	7781	2393	5058	2494	595	87770	4102	4941	87	19407	194.8	9119	6112	160250	667	4510
Total Estimated Conc. BN TICs (s)		29140	302400	1870	8030	12910	484400	2940	102100	132800	38600	3690	161800	1110	1520	71230	1333000	35400	17210

- Results above 1994 NYSDC Rec. Soil Cleanup Objective
* Results below 1994 NYSDC Rec. Soil Cleanup Objective after Total Organic Carbon (TOC) adjustment
NS - No Standard for Individual Contaminant
ND - None Detected
NS - No Standard for Individual Contaminant
TICs - Tentatively Identified Compounds

TABLE 2

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

Sample ID Lab Sample Number Sampling Date Sampling Depth (feet) Units	1994 NYSDEC Rec. Soil Cleanup Objective ug/kg	MW-1 8-10 48948 03/11/98 8.0-10 ug/kg	MW-2 7-7.5 48942 03/11/98 7-7.5 ug/kg	MW-3 8-9 49337 03/12/98 8-9 ug/kg	MW-3 13.5-14 49338 03/12/98 13.5-14 ug/kg	MW-4 4.5-5 48933 3/10/98 4.5-5 ug/kg	MW-5 4.5-5 48930 3/10/98 4.5-5 ug/kg	MW-6 7-8 49339 3/12/98 7-8 ug/kg	M-1 8.5 49329 3/12/98 8.5-9 ug/kg	M-1 4 49331 3/12/98 4-4.5 ug/kg	M-2 4 49332 3/12/98 4-4.5 ug/kg	M-2 9.5 49330 3/12/98 9.5-10 ug/kg	M-3 4 49333 3/12/98 4-4.5 ug/kg	M-3 11.5 49334 3/12/98 11.5-12 ug/kg	M-4 4 49335 3/12/98 4-4.5 ug/kg	M-4 9.5 49336 3/12/98 9.5-10 ug/kg
BASE NEUTRALS																
N-Nitrosodimethylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl) ether	NS	ND	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8500	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	4400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	3400	ND	ND	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13000	56	ND	290	110	690	20	31	980	ND	ND	ND	ND	ND	11	11
Hexachlorobutadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2000 -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41000	72	20	240	ND	150	66	14	1200	ND	ND	ND	42	ND	ND	ND
2,6-Dinitrotoluene	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50000	82	11	ND	ND	120	ND	8.5	ND	ND	ND	ND	38	ND	26	21
2,4-Dinitrotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	ND
4-Chlorophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50000	100	12	260	ND	110	80	ND	870	ND	ND	ND	45	ND	19	ND
N-Nitrosodiphenylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50000	1200	150	1200	230	420	270	37	2100	42	87	43	860	11	290	31
Anthracene	50000	400	50	320	ND	130	37	11	310	ND	ND	ND	130	ND	46	13
Di-n-butylphthalate	ND	ND	ND	ND	ND	650	62	100	370	61	200	69	1300	15	470	59
Fluoranthene	50000	1900	320	1400	410	700	68	92	320	62	200	83	1100	14	390	57
Pyrene	50000	2200	290	1200	360	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224	1200	170	520	240	290	33	48	160	37	110	62	550	10	180	49
Chrysene	400	1500	230	600	210	440	33	70	160	38	91	44	600	8.8	240	60
bis(2-Ethylhexyl)phthalate	50000	140	890	ND	ND	ND	100	82	ND	ND	ND	ND	ND	ND	300	ND
Di-n-octylphthalate	50000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1100	1400	300	540	260	520	41	70	160	40	100	39	540	10	250	82
Benzo(k)fluoranthene	1100	530	98	190	130	ND	17	25	62	14	45	16	210	ND	96	30
Benzo(a)pyrene	61	1000	150	430	180	330	32	50	110	29	87	36	420	ND	170	60
Indeno(1,2,3-cd)pyrene	3200	510	120	200	ND	150	16	33	68	ND	54	ND	260	ND	130	44
Dibenz(a,h)anthracene	14	130	33	51	ND	ND	ND	37	ND	ND	ND	ND	260	ND	26	12
Benzo(g,h,i)perylene	50000	520	160	190	ND	140	20	ND	69	ND	56	ND	260	ND	140	54
Total Confident Conc. BN (s)		12940	3004	7848	2130	5410	895	708.5	6939	323	1030	392	6355	68.8	2800	583
Total Estimated Conc. BN TICs (s)		14050	9450	78000	459700	72500	10490	18830	3550	610	0	3700	0	0	310	18750

- Results above 1994 NYSDEC Rec. Soil Cleanup Objective
Results below 1994 NYSDEC Rec. Soil Cleanup Objective
* after Total Organic Carbon (TOC) adjustment
NS - No Standard for Individual Contaminant
ND - None Detected
NS - No Standard for Individual Contaminant
TICs - Tentatively Identified Compounds

TABLE 3

Dexter Chemical Corporation
Summary of Priority Pollutant Metal
Results For Soil

Sample ID	1994 NYSDEC Rec. Soil Cleanup Objective	A-1 20-21 48923 03/10/98 20-21 mg/kg	B-1 4-6 48926 03/10/98 4-6 mg/kg	B-1 16-18 48927 03/10/98 16-18 mg/kg	B-2 1-2 48928 03/10/98 1-2 mg/kg	B-2 3-4 48929 03/10/98 3-4 mg/kg	B-3 1-2 48931 03/10/98 1-2 mg/kg	B-3 15-16 48932 03/10/98 15-16 mg/kg	B-4 3.5-4 48934 03/10/98 3.5-4 mg/kg	E-1 2.5-3 48938 03/11/98 2.5-3 mg/kg	E-1 10-10.5 48937 03/11/98 10-10.5 mg/kg	E-2 1.5-2 48939 03/11/98 1.5-2 mg/kg	E-2 2.5-3 48940 03/11/98 2.5-3 mg/kg	E-4 3-3.5 48941 03/11/98 3-3.5 mg/kg	E-5 3.5-4 48943 03/11/98 3.5-4 mg/kg	E-5 6.5-7 48944 03/11/98 6.5-7 mg/kg	E-6 3.5-4 48945 03/11/98 3.5-4 mg/kg	I-1 3.5-4 48946 03/11/98 3.5-4 mg/kg	I-1 7.5-8 48947 03/11/98 7.5-8 mg/kg
PRIORITY POLLUTANT METALS																			
Antimony	SB	ND	1.4	ND	ND	ND	ND	ND	7.1	2.6	ND	1.2	ND	1.2	ND	ND	ND	ND	ND
Arsenic	7.5 or SB	7.9 *	3.9	8.3 *	3.1	2.9	5	5.7	5.8	3.2	ND	ND	ND	1.9	0.82	ND	46.7	1.4	ND
Beryllium	0.16 or SB	0.89	0.17 *	0.63 *	0.7	0.51	0.34 *	0.42 *	1.1	0.62	0.74	0.79	0.77	0.31 *	0.67	1.0	0.35	0.53	0.56
Cadmium	1 or SB	ND	0.36	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	10 or SB	36.4 *	9.7	28.9 *	19.4	23.1	11.1 *	33.7 *	51.8	14.6	39.5	22.5	32.9	9.3	39.6	28.6	18.1	22.8	37.7
Copper	25 or SB	13.2	103	11.4	14.5	21.8	110 *	11.1	105	70.7	67	37.2	67.2	19.4	38.4	57.9	56.1	29.4	76
Lead	SB1	14.6	96	14.6	148	126	218	18.4	104	215	5.8	14.2	8	49.8	13.5	9.1	773	27.2	13.3
Mercury	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	13 or SB	26.4 *	11.6	18.6 *	13	15.7	13.3 *	23.5 *	34.7	13.2	16	26	26.7	9.0	24.8	29.2	46	17.5	24.3
Selenium	2 or SB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	2.9	ND	1.8
Silver	SB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	SB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	20 or SB	76.4 *	214	50.9 *	78.6	232	207	125 *	137	361	83.5	76.6	74	81.9	59.2	81.4	277	66	90.1

- [Results above 1994 NYSDEC Rec. Soil Cleanup Objective
* Results below 1994 NYSDEC Rec. Soil Cleanup Objective after
Total Organic Carbon (TOC) adjustment

ND - None Detected

NS - No Standard

SB - Site Background

1 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.

TABLE 3
Dexter Chemical Corporation
Summary of Priority Pollutant Metal
Results For Soil

Sample ID	1994 NYSDEC	I-2 7.5-8	I-2 9.5-10	MW-1 8-10	MW-2 7-7.5	MW 3 8-9	MW-3 13.5-14	MW-4 4.5-5	MW-5 4.5-5	MW-6 7-8	M-1 4	M-1 8.5	M-2 4	M-2 9.5	M-3 4	M-3 11.5	M-4 4	M-4 9.5
Lab Sample Number	Rec. Soil	48949	48950	48948	48942	49337	49338	48933	48930	49339	49331	49329	49232	49330	49333	49334	49335	49336
Sampling Date	Cleanup	03/11/98	03/11/98	03/11/98	03/11/98	03/12/98	03/12/98	3/10/98	3/10/98	3/12/98	3/12/98	3/12/98	3/12/98	3/12/98	3/12/98	3/12/98	3/12/98	3/12/98
Sample Depth	Objective	7.5-8	9.5-10	8.0-10	7-7.5	8-9	13.5-14	4.5-5	4.5-5	7-8	4-4.5	8.5-9	4-4.5	9.5-10	4-4.5	11.5-12	4-4.5	9.5-10
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PRIORITY POLLUTANT METALS	Antimony	ND	ND	3	1.4	ND	2.8	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4
	Arsenic	1.7	1.6	21	4.8	ND	8.6	7.0	ND	ND	2.5	2.3	1.4	3.2	3.9	ND	5.8	14.4
	Beryllium	0.61	0.53	0.67	0.48	0.56	0.19	0.31	0.43	0.46	0.43	0.32	0.34	0.13	0.43	0.76	0.31	0.57
	Cadmium	ND	ND	1.8	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.15	0.24	ND	ND	0.31
	Chromium	66.4	28.9	15.3	14.1	31.9	56.5	18.2	22.7	24	20.8	15.5	20.7	5	29.2	27.4	15.6	17
	Chromium	23.3	22.1	2140	69.7	38.7	78.1	65.8	26.1	38.1	21.2	34.5	27.4	53.1	170	51.3	32.4	238
	Copper	9.7	15.8	1840	264	23.7	878	428	52	22	93	184	69.8	121	304	19.8	72.1	322
	Lead	ND	ND	ND	ND	0.03	1.2	ND	ND	0.05	0.06	0.1	0.08	0.18	0.18	0.05	0.13	0.83
	Mercury	30.2	43.7	19.3	13.9	29.7	9.1	17.7	21.2	17.7	13.6	54.4	18	10	28.2	33.4	34.7	21.2
	Nickel	ND	ND	5.1	1.2	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	3.5
	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2
	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Zinc	54.5	55.4	1320	229	82.2	51	389	78.8	56.4	64.2	85.2	93.5	110	444	68.6	84.2	771

Results above 1994 NYSDEC Rec. Soil Cleanup Objective

*

Results below 1994 NYSDEC Rec. Soil Cleanup Objective after Total Organic Carbon (TOC) adjustment

ND

- None Detected

NS

- No Standard

SB

- Site Background

1

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

TABLE 4

**Dexter Chemical Corporation
Summary of Volatile Organic Results
For Ground Water**

Sample ID Lab Sample Number Sampling Date Units	1994 NYS DEC Ground Water Standards/Criteria ug/l	MW-1 51700 3/26/98 ug/l	MW-2 51701 3/26/98 ug/l	MW-3 51703 3/26/98 ug/l	MW-4 51702 3/26/98 ug/l	MW-5 51704 3/26/98 ug/l	MW-6 51705 3/26/98 ug/l
VOLATILE COMPOUNDS							
Chloromethane	NS	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	0.7	ND	ND	ND	ND
Chloroethane	50	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NS	ND	1.7	ND	ND	ND	26
Chloroform	7	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	38
cis-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND
Benzene	0.7	ND	0.5	0.9	ND	ND	35
trans-1,3-Dichloropropene	NS	ND	ND	ND	ND	ND	ND
2-Chloroethyl Vinyl Ether	NS	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	6.3	ND	ND	51
Chlorobenzene	5	ND	3.6	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	12	ND	ND	110
Xylene (Total)	5	ND	ND	110	ND	ND	630
Total Confident Conc. VOAs (s)		0	6.5	129.2	0	0	890
Total Estimated Conc. VOA TICs (s)		0	54	620	17	18	3430

☐ - Results above 1994 NYS Dec Ground Water Standards/Criteria
 ND - None Detected
 NS - No Standard
 TICs - Tentatively Identified Compounds

TABLE 5

Dexter Chemical Corporation
Summary of Base\ Neutral Extractable Organic Results
For Ground Water

Sample ID Lab Sample Number Sampling Date Units	1994 NYS DEC Ground Water Standards/Criteria ug/l	MW-1 51700 3/26/98 ug/l	MW-2 51701 3/26/98 ug/l	MW-3 51703 3/26/98 ug/l	MW-4 51702 3/26/98 ug/l	MW-5 51704 3/26/98 ug/l	MW-6 51705 3/26/98 ug/l
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	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5	ND	ND	ND	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	5	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	NS	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	4.8	ND	ND	24
Naphthalene	10	ND	ND	20	ND	ND	68
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	50	ND	ND	ND	ND	ND	ND
Acenaphthylene	20	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	ND	ND	ND	ND	ND	68
4-Chlorophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	2.3	ND	ND	ND
N-Nitrosodiphenylamine	NS	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NS	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.35	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	2	ND	2.9	ND
Anthracene	50	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	0.9	ND
Benzidine	NS	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NA	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.002	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	50	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	5	ND	ND	ND	ND	ND	ND
Total Confident Conc. BN (s)		0	0	29.1	0	3.8	160
Total Estimated Conc. BN TICs (s)		86	567	615	0	13	3068

Results above 1994 NYS Dec Ground Water Standards/Criteria

ND - None Detected

NS - No Standard

NA - Standard not available for this constituent

TICs - Tentatively Identified Compounds

TABLE 6

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

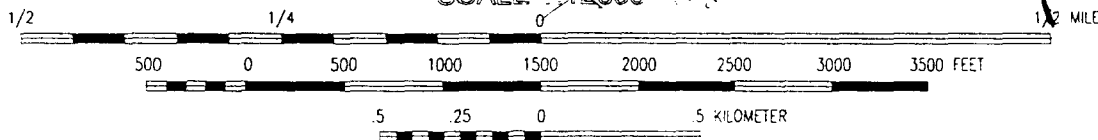
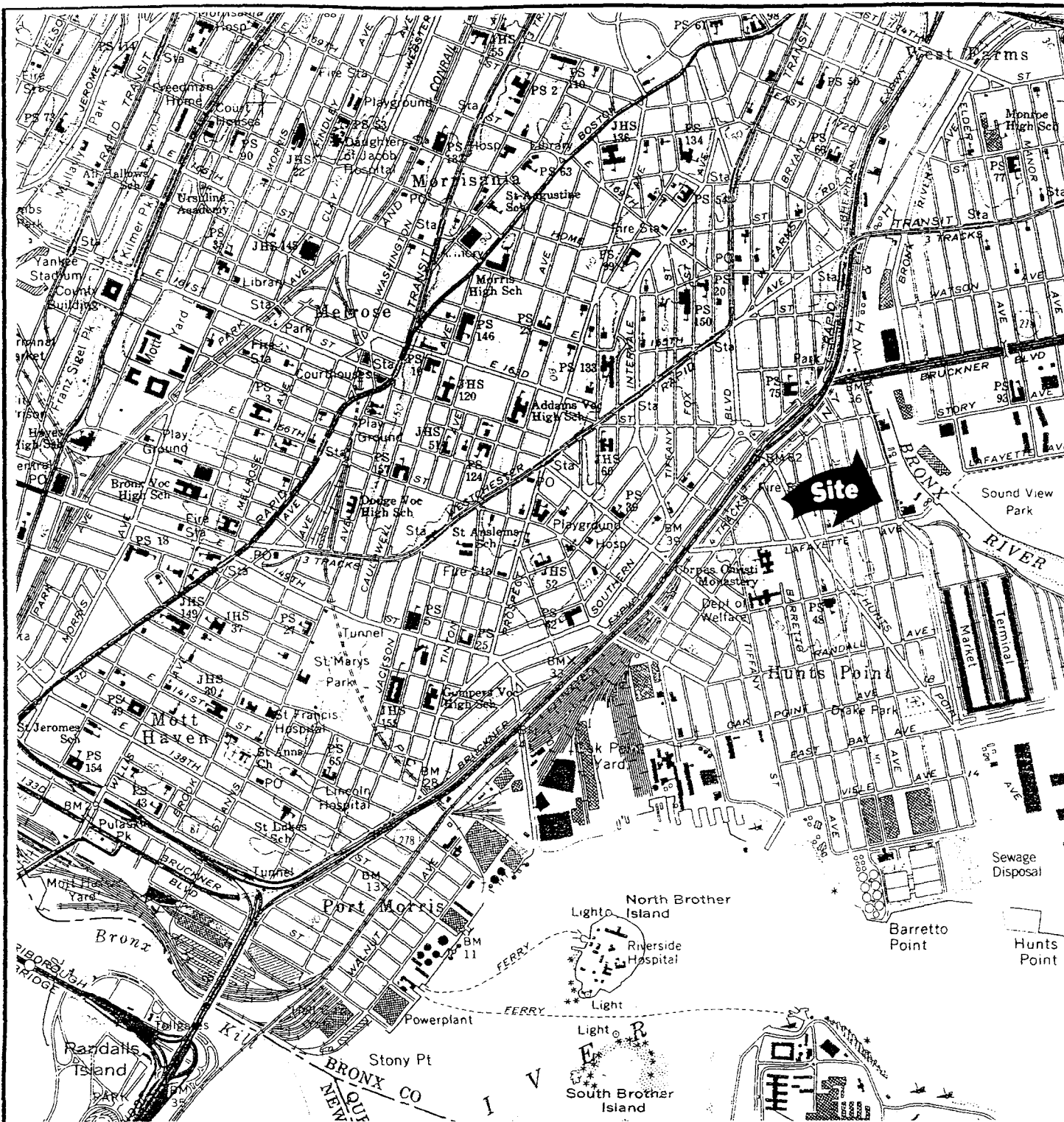
Sample ID Lab Sample Number Sampling Date Units	1993 NYSDEC Cleanup Criteria For Ground Water ug/l	MW-1 51700 3/26/98 ug/l	MW-2 51701 3/26/98 ug/l	MW-3 51703 3/26/98 ug/l	MW-4 51702 3/26/98 ug/l	MW-5 51704 3/26/98 ug/l	MW-6 51705 3/26/98 ug/l
PRIORITY POLLUTANT METALS							
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	NS	ND	3.2	4.2	ND	ND	5.1
Beryllium	3	ND	ND	0.28	ND	ND	ND
Cadmium	10	ND	ND	ND	ND	ND	ND
Chromium	50	2.1	6.6	51.9	1.1	15.4	26
Copper	200	ND	3.9	17.5	ND	7.2	8.8
Lead	25	ND	4.9	24.6	ND	10.8	15
Mercury	2	ND	ND	ND	ND	ND	ND
Nickel	NS	4.2	11.7	40.5	18.2	12.5	43.1
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Thallium	4	ND	ND	ND	ND	ND	ND
Zinc	300	17.4	20.2	52.3	24.5	26.9	23.5

Results above 1993 NYSDEC Cleanup Criteria for Ground Water

ND - None Detected

NS - No Standard

FB - Field Blank



UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

NEW YORK
QUADRANGLE LOCATION

THE WHITMAN Companies, INC.

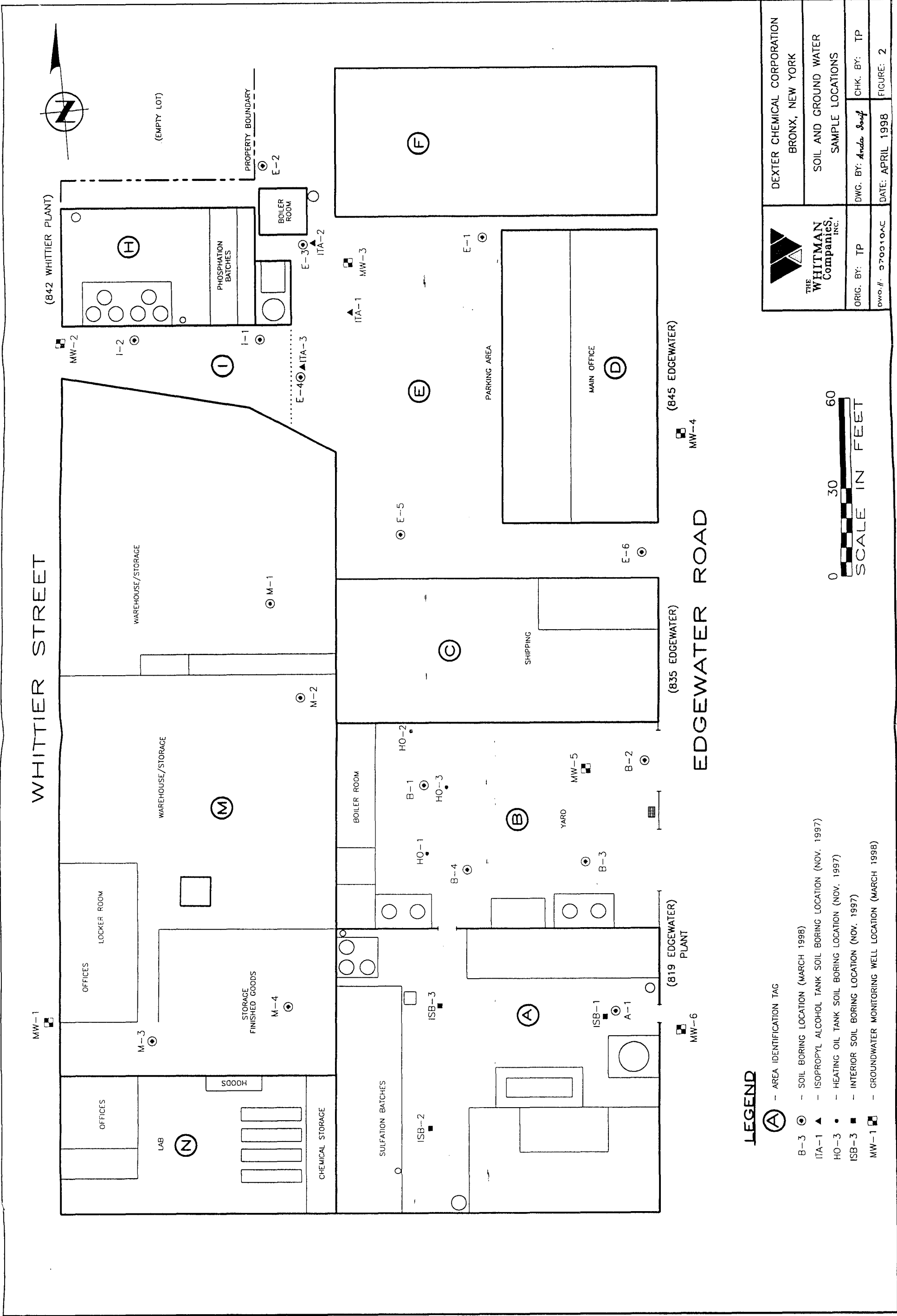
ORIGINAL BY: TP
CHECKED BY: TP

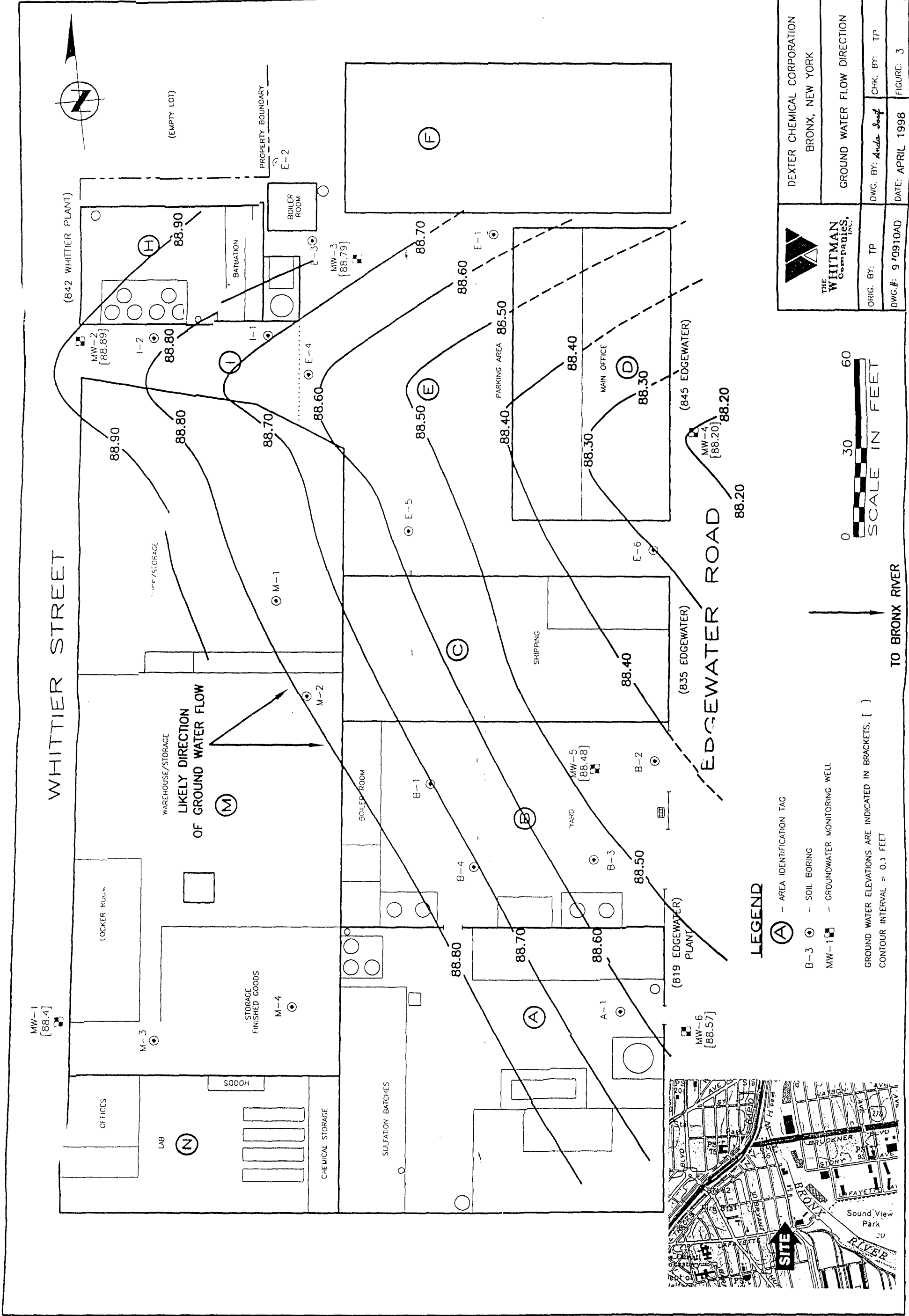
DEXTER CHEMICAL CORP.
845 EDGEWATER ROAD
BRONX, NEW YORK

SITE LOCATION ON USGS
CENTRAL PARK, NY QUADRANGLE

DRAWN BY: *Anda Josif*
DATE: APRIL 1998

DRAWING NO: 970910
FIGURE NO: 1





ATTACHMENT 1
SOIL BORING LOGS



CLIENT: DEXTER CHEMICAL

LOG OF BORING No. A-1

PROJECT NO. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 2

DRILLING Co. MILLER DRILLER NICK MASTRODICASA

DRILLING METHOD GEOPROBE

HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT

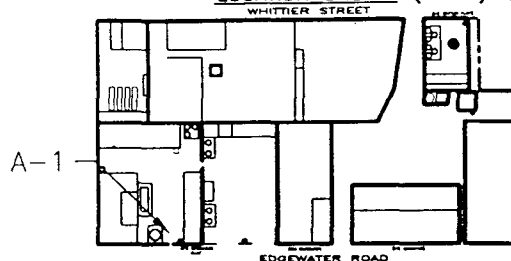
HAMMER WT. LBS.

FALL

DATE DRILLED 3/10/98 GEOLOGIST ANDREW CLARK

TOTAL DEPTH 22' DEPTH AT WATER 3.5'

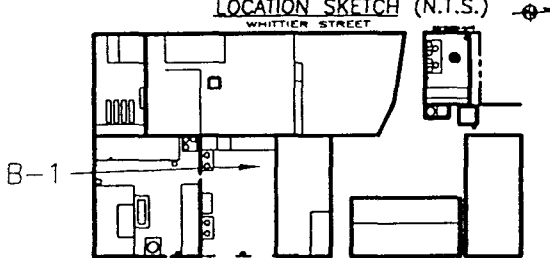
LOCATION SKETCH (N.T.S.)



DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
0				XXXX	0-0.5' CONCRETE	
1					NO RECOVERY	
2						
3	6.2				2-3.5' VERY COARSE SAND, CINDERS AND COAL	STRONG ODOR
4						
5	350		A-1		3.5-6' COARSE SAND, CINDERS AND COAL. SILTY PARTING @ 5.5'	GW @ 3.5'
6						
7	142				6-7.5' MEDIUM-COARSE SANDY CINDERS	
8	112		A-1		7.5-8' VERY COARSE CINDERS, COAL AND SHELL FRAGMENTS	
9					8-12' MEDIUM TO VERY COARSE CINDERS, WOOD AND SHELL FRAGMENTS	BLACK OILY MATERIAL IN INTERVAL STRONG ODOR
10	72					
11						
12	27.1				12-13' MEDIUM-COARSE CINDERS, SAND AND GLASS	
13	17.3				13-14' MEADOW MAT BIOTURBATED SILTY PEAT - NATIVE SOIL	
14					NO RECOVERY	
15						
16						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. LBS. FALL DATE DRILLED 3/10/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 22' DEPTH AT WATER 3.5'	LOG OF BORING No. A-1 THE WHITMAN COMPANIES, INC. SHEET 2 OF 2 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
17						
18						
19						
20	264		A-1		20-20.5' BIOTURBATED SILT	STRONG ORGANIC DECOMP. ODOR
21	121				20.5-22' BLACK CLAY	
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. _____ LBS. FALL _____ DATE DRILLED 3/10/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 18 DEPTH AT WATER 5	LOG OF BORING No. B-1 THE WHITMAN COMPANIES, INC. SHEET 1 OF 2 LOCATION SKETCH (N.T.S.) 

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
1	0				0-1.5' CONCRETE	
2					NO RECOVERY	
3	124				2-3.5' VERY COARSE CINDERS, COAL AND BRICK CLASTIC (10-20 mm), AND POOR SORTING	PETROLEUM ODOR
4	0				3.5-4' CONCRETE	
5	208		B-1		4-5.5' MEDIUM-COARSE CINDERS AND COAL -CLASTIC (10-20 mm), AND POOR SORTING	PETROLEUM ODOR GW @ 5'
6					5.5-8' VERY COARSE GRAVELY CINDERS AND COAL -CLASTIC (10-20 mm), AND POOR SORTING	SLIGHT PETROLEUM ODOR
7	31					
8						
9	0.7				8-10' MEDIUM-COARSE CINDER, BRICKS, AND SHELLS	
10						
11					10-15.5' VERY COARSE CINDER, COAL SHELL FRAGMENTS AND BRICKS. CLASTIC (> 10mm) AND POOR SORTING.	
12						
13						
14	0.9					
15						
16	0.5		R-1		15.5-16.5' MEADOW MAT. PEAT HORIZON - NATIVE SOIL	STRONG ODOR

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. _____ LBS. FALL _____ DATE DRILLED 3/10/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 18' DEPTH AT WATER 5'	LOG OF BORING No. B-1 THE WHITMAN COMPANIES, INC. SHEET 2 OF 2 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
17	179				16.5-18' GRAY-BLACK CLAY WITH INFREQUENT ORGANIC MATTER (PLANT ROOTS)	STRONG ODOR
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. LBS. FALL DATE DRILLED 3/12/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 6' DEPTH AT WATER 4'	LOG OF BORING No. B-2 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—					0-0.5' CONCRETE	
1 —	0		B-2		0.5-2.5' POOR SORTED SANDY GRAVEL WITH CLASTS OF PORCELAIN AND COAL	
2 —						
3 —	0				2.5-3' SILTY CLAY	
4 —	0		B-2		3-4' COARSE CINDERS AND COAL CLASTS	MILD ODOR
5 —	0.3				4-5' BLACK SILT	GW @ 4'
6 —	0				5-6' COARSE GRAVEL	
7 —						
8 —						
9 —						
10 —						
11 —						
12 —						
13 —						
14 —						
15 —						
16 —						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. _____ LBS. FALL _____ DATE DRILLED 3/10/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 16' DEPTH AT WATER 2'	LOG OF BORING No. B-3 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
					0-0.5' CONCRETE	
1					0.5-3' MEDIUM COARSE SANDY CINDERS WITH A CLASTIC COAL BASE	
2	0		B-3			GW @ 2.0'
3	0				3-3.5' BLACK SILT	
4					3.5-4' CINDERS AND SILT	
5					4-8' VERY COARSE SANDY GRAVEL WITH CINDERS, COAL, BRICK AND SHELL FRAGMENTS WELL SORTED	MILD PETROLEUM ODOR
6	0.9					
7						
8					8-12' MEDIUM COARSE GRAVEL WITH CINDERS, COAL, BRICK, AND SHELL FRAGMENTS. OCCASIONAL WOOD CHUNKS.	STRONG PETROLEUM ODOR
9						
10	19.7					
11						
12					12-15' VERY COARSE SANDY GRAVEL WITH CINDERS, COAL AND OCCASIONAL WOOD CHUNKS	
13						
14	10.4					
15					15-16' MEADOW MAT. PEATY SILT NATIVE SOIL	ORGANIC DECOMPOSITION ODOR
16	10.0		B-3			

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. <u>MILLER</u> DRILLER <u>NICK MASTRODICASA</u> DRILLING METHOD <u>GEOPROBE</u> HOLE DIA. <u>2</u> IN. SAMPLER <u>LEE WESTCOTT</u> HAMMER WT. _____ LBS. FALL _____ DATE DRILLED <u>3/10/98</u> GEOLOGIST <u>ANDREW CLARK</u> TOTAL DEPTH <u>6'</u> DEPTH AT WATER <u>4'</u>	LOG OF BORING No. B-4 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
1					0-1.5' CONCRETE	
2					NO RECOVERY	
3	0				2-3.5' VERY COARSE SANDY GRAVEL	
4	10.1		B-4		3.5-5' VERY COARSE CINDERS, COAL, SHELLS, AND PORCELAIN	GW @ 4'
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. E-1

PROJECT No. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER DRILLER NICK MASTRODICASA

DRILLING METHOD GEOPROBE

HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT

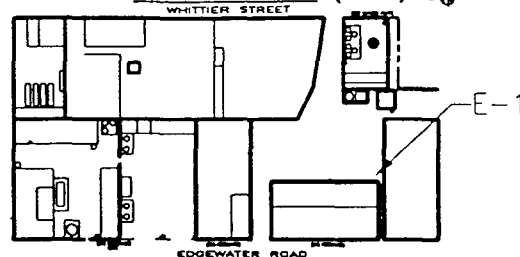
HAMMER WT. LBS.

FALL

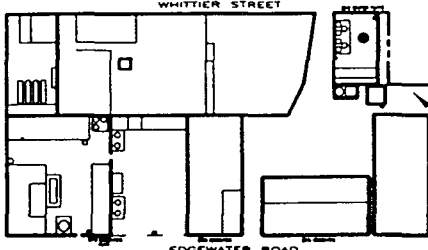
DATE DRILLED 3/11/98 GEOLOGIST ANDREW CLARK

TOTAL DEPTH 12' DEPTH AT WATER 11'

LOCATION SKETCH (N.T.S.)



DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—				▨	0-0.5' ASPHALT	
1	3			◇ ◇	0.5-3' MEDIUM SANDY SOIL WITH CLATS OF CONCRETE	
2				◇ ◇		
3			E-1	▨	3-3.5' CONCRETE	
4				▨	3.5-4' MEDIUM SANDY SOIL	
5					NO RECOVERY	
6						
7						
8						
9	5			● ●	8-10' MEDIUM SANDY SOIL WITH CLASTS OF SCHIST	
10	3.5		E-1	▨	10-11' COARSE CINDERS AND COAL	MILD ODOR
11	4.1			● ●	11-12' GREEN-GRAY SILT TO FINE SAND	GW @ 11.0'
12						
13						
14						
15						
16						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. LBS. FALL DATE DRILLED 3/11/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 4' DEPTH AT WATER 3'	LOG OF BORING No. E-2 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.) 

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—					0-0.25' ASPHALT ; 0.25-0.5' CONCRETE	
1	104				0.5-2' COARSE BLACK CINDERS	
2			E-2			
—	62				2-3' MEDIUM COARSE MICACEOUS GRAVEL	GW @ 3.0'
3	7.4				3-4' MEGA CLASTS (20-40) OF QUARTZ PEBBLES AND COAL	
4			E-2			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER ANDREW CLARK HAMMER WT. LBS. FALL DATE DRILLED 3/11/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH <14' DEPTH AT WATER 3.5'	LOG OF BORING No. E-4 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—				0-0.5'	0-0.5' ASPHALT	
1	0.9			0.5-3'	0.5-3' MEDIUM-COARSE SAND WITH MEGA CLASTS (>30mm)	MILD PETROLEUM ODOR
2						
3						
4	4.5		E-4	3-4'	3-4' COARSE SAND AND GRAVEL	GW @ 3.5'
5	4.1			4-12.5'	4-12.5' VERY COARSE SAND AND GRAVEL CONTAINING CLASTS OF COAL AND WOOD	
6						
7						
8						
9						
10						
11						
12						
13					REFUSAL ENCOUNTERED @ 12'	
14						
15						
16						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. LBS. FALL DATE DRILLED 3/11/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 8' DEPTH AT WATER 7'	LOG OF BORING No. E-5 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—				●●●●	0-0.25' ASPHALT	
1	15			○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	0.25-2' MEGA CLASTS (30-40 mm) IN COARSE SAND MATRIX	
2					2-3.5' MEDIUM SAND, CINDERS AND COAL	
3	0					
4	0		E-5		3.5-4.5' MICACEOUS SILT WITH WOOD CHUNKS	
5				●●●●	4.5'-8' MEDIUM-COARSE SANDY GRAVEL 4.5-6' POOR SORTING	
6	0				6-8' WELL SORTING	
7			E-5			GW @ 7.0'
8						
9						
10						
11						
12						
13						
14						
15						
16						

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. E-6

PROJECT NO. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER DRILLER NICK MASTRODICASA

DRILLING METHOD GEOPROBE

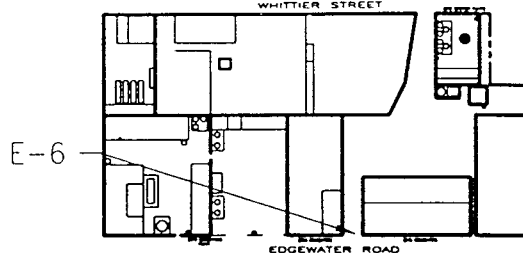
HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT

HAMMER WT. LBS. FALL

DATE DRILLED 3/11/98 GEOLOGIST ANDREW CLARK

TOTAL DEPTH 8' DEPTH AT WATER 4'

LOCATION SKETCH (N.T.S.)



DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
0	0				0-0.8' CONCRETE	
1	0				0.8-2' SANDY GRAVEL AND CLASTIC (10-20mm)	
2						
3	0				2-8' COARSE CINDERS BRICK, COAL, AND SHELL FRAGMENTS	
4	0				2-4' WELL SORTING	
5						
6	0				4-6' POOR SORTING	GW @ 4.0'
7						
8					6-8' WELL SORTING	
9						
10						
11						
12						
13						
14						
15						
16						

LOCATION SKETCH (N.T.S.)

WHITTIER STREET

EDGEWATER ROAD

1-1

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
					0-0.5' ASPHALT	
1	4.1				0.5-3' COARSE SAND AND GRAVEL	
2						
3						
4	221		 1-1		3-8 MICACEOUS SILTY WITH INFREQUENT WOOD CLASTS	GW @ 4'
5						
6						
7						
8			 1-1			
9						
10						
11						
12						
13						
14						
15						
16						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. MILLER DRILLER NICK MASTRODICASA DRILLING METHOD GEOPROBE HOLE DIA. 2 IN. SAMPLER LEE WESTCOTT HAMMER WT. LBS. FALL DATE DRILLED 3/11/98 GEOLOGIST ANDREW CLARK TOTAL DEPTH 12 DEPTH AT WATER 10	LOG OF BORING No. 1-2 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—					0-0.5' ASPHALT	
1 —	0				0.5-1.5' COARSE GRAVEL	
2 —					1.5-4' MEDIUM COARSE MICACEOUS SAND WITH INFREQUENT SCHIST CLASTS	
3 —	0					
4 —					4- 5' MICACEOUS SILT	
5 —						
6 —					5-10' COARSE SILT TO FINE SAND WITH FEW CLASTS OF QUARTZ AND SCHIST	
7 —						
8 —	17.3		1-2			
9 —						
10 —			1-2			
11 —	5				10-11' MICACEOUS MEDIUM SAND	GW @ 10.0'
12 —	9				11-12' GREEN-GRAY SILT	
13 —						
14 —						
15 —						
16 —						

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. M-1

PROJECT NO. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC. SHEET 1 OF 1

DRILLING Co. MILLER DRILLER NICK MASTRODICASA

DRILLING METHOD GEOPROBE

HOLE DIA. 2 IN. SAMPLER ANDREW CLARK

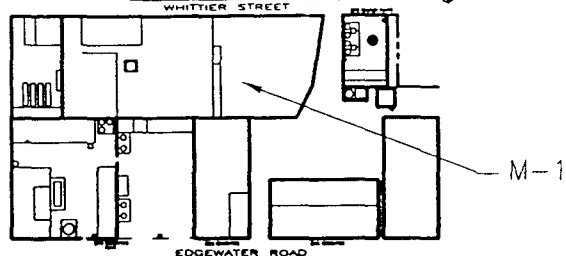
HAMMER WT. LBS.

FALL

DATE DRILLED 3/12/98 GEOLOGIST ANDREW CLARK

TOTAL DEPTH 12' DEPTH AT WATER 9'

LOCATION SKETCH (N.T.S.)



DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
					0-0.5' CONCRETE	
1	0				0.5-1.5' GRAY CLASTIC SANDY GRAVEL	
2					1.5-4.5' BROWN MEDIUM-COARSE SANDY GRAVEL	
3	2.0					
4			M-1			
5	2.0				4.5-5' FINE SAND	
6					5-12' VERY COARSE AND CLASTIC (10-20 mm) SANDY GRAVEL - CLASTS CONSIST OF COAL, WOOD, SHELLS, GLASS, AND BRICKS	GW @ 9'
7						
8			M-1			
9						
10	2.5					
11						
12						
13						
14						
15						
16						

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. M-2

PROJECT No. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER DRILLER NICK MASTRODICASA

DRILLING METHOD GEOPROBE

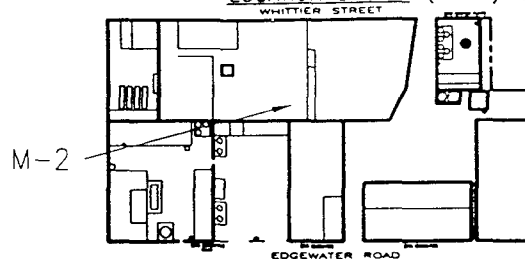
HOLE DIA. 2 IN. SAMPLER ANDREW CLARK

HAMMER WT. LBS. FALL

DATE DRILLED 3/12/98 GEOLOGIST ANDREW CLARK

TOTAL DEPTH 12' DEPTH AT WATER 9.5'

LOCATION SKETCH (N.T.S.)



DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—				0-0.5' CONCRETE		
1	0			0.5-2' MEDIUM-COARSE CLASTIC SAND CLASTS CONSISTS OF QUARTZ, BRICK GLASS		
2				2-5' FINE-MEDIUM MICACEOUS SAND		
3	0					
4			M-2			
5				5-6.5' SILT WITH CLAY LENSE AT 6'		
6	0					
7				6.5-11' VERY COARSE CINDERS, GLASS, PORCELAIN, SHELLS, AND BRICK		
8						
9	0					
10			M-2			
11						
12	0			11-12' BLACK SILT		
13						
14						
15						
16						

GW @ 9.5'

CLIENT: DEXTER CHEMICAL

LOG OF BORING No. M-3

PROJECT No. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER DRILLER NICK MASTRODICASA

DRILLING METHOD GEOPROBE

HOLE DIA. 2 IN. SAMPLER ANDREW CLARK

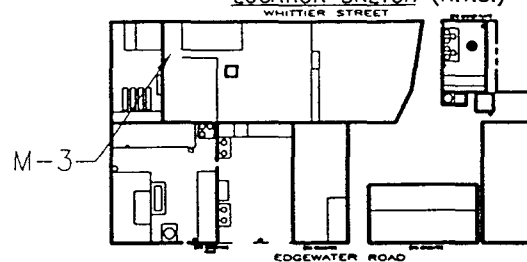
HAMMER WT. LBS.

FALL

DATE DRILLED 3/12/98 GEOLOGIST ANDREW CLARK

TOTAL DEPTH 16' DEPTH AT WATER 12'

LOCATION SKETCH (N.T.S.)



DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
0				0-0.5' CONCRETE		
1				0.5-4.5' MEDIUM MICACEOUS SAND MODERATELY CLASTIC		
2						
3	0					
4			M-3			
5				4.5-8.5' COARSE GRAVEL WITH MEGA CLASTS (>30mm) CLASTS CONSIST OF QUARTZ PEBBLES AND SCHIST		
6	0					
7						
8						
9	0			8.5-9.5' MEDIUM-COARSE MICACEOUS SAND		
10	0			9.5-10.5' SILTY CLAY		
11				10.5-13' COARSE MICACEOUS SAND WITH SCHIST CLASTS		
12	0		M-3			
13						GW @ 12'
14				13-16' GREEN SILT		
15	0					
16						

CLIENT: DEXTER CHEMICAL PROJECT NO. 970910 SITE LOCATION: BRONX, NY DRILLING Co. <u>MILLER</u> DRILLER <u>NICK MASTRODICASA</u> DRILLING METHOD <u>GEOPROBE</u> HOLE DIA. <u>2</u> IN. SAMPLER <u>ANDREW CLARK</u> HAMMER WT. _____ LBS. FALL _____ DATE DRILLED <u>3/12/98</u> GEOLOGIST <u>ANDREW CLARK</u> TOTAL DEPTH <u>12'</u> DEPTH AT WATER <u>10.5'</u>	LOG OF BORING No. M-4 THE WHITMAN COMPANIES, INC. SHEET 1 OF 1 LOCATION SKETCH (N.T.S.)

DEPTH (FEET)	SAMPLING DATA				SOIL DESCRIPTION	REMARKS
	PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG		
—	0				0-0.5' CONCRETE	
1 —	0				0.5-2' FINE QUARTZ SAND CONTAINING 10-20 mm CLASTS	
2 —						
3 —	0				2-5' FINE MICACEOUS AND QUARTZ RICH SAND	
4 —			M-4			
5 —	0			o o	5-5.5' CLASTIC 10-20 mm, QUARTZ AND SCHIST	
6 —	0				5.5-6' SANDY SILT	
7 —	0			^ ^ ^	6.5-8' VERY COARSE SAND WITH QUARTZ PEBBLES AND BRICK	
8 —	0				8-9' MEDIUM SAND	
9 —			M-4	o ^ o	9-12' COARSE CINDERS, COAL, GLASS, BRICK, AND SHELL	
10 —	0			o ^ o		
11 —				^ o o		
12 —				o ^ o		
13 —						
14 —						
15 —						
16 —						

GW @ 10.5'

ATTACHMENT 2

WELL LOGS



CLIENT: DEXTER CHEMICAL		WELL LOG	WELL No. MW-1
PROJECT NO. 970910 SITE LOCATION: BRONX, NY		THE WHITMAN COMPANIES, INC.	
DRILLING Co. <u>MILLER ENVIRONMENTAL</u> DRILLER: <u>MARK MULLER</u>		DATE STARTED: <u>3/11/98</u> DATE COMPLETED: <u>3/11/98</u>	
TYPE OF RIG: <u>HOLLOW STEM AUGER</u> HOLE DIA.: <u>8"</u>		GEOLOGIST: <u>GARY WEISSBERGER</u>	
SAMPLER TYPE: <u>SPLIT SPOON</u> DIA.: <u>2</u> IN.		TOTAL DEPTH <u>16.5'</u>	
HAMMER WT.: <u>140</u> LBS. FALL: <u>30</u> IN.		WATER LEVEL STABILIZED AT <u>11.59</u> BELOW <u>TOC</u> ON <u>3/26/98</u>	
SURVEYED ELEVATION OF T.O.C. <u>100.00</u> ▼ DEPTH TO GW <u>11.59'</u>		TOC = TOP OF CASING	

WELL COMPLETION DIAGRAM	DEPTH (FEET)	GRAPHIC LOG	MAXIMUM PID READING	SOIL DESCRIPTION	REMARKS
	0		0.0	0-1' CONCRETE	FLUSHMOUNT MANHOLE
	1		0.0	1-4' SILT, BROWN	MASTER LOCK: : #0505
	2				PVC LOCKING CAP
	3				CEMENT : 0'-2'
	4		0.0	4'-6' SAND BROWN WITH GRAVEL AND COAL FRAGMENTS	BENTONITE : 2-6'
	5				GRAVELPACK : 6-16.5' : #2 SAND
	6		0.0	6-7' WEATHERED SCHIST FRAGMENTS	RISER (7 FEET) : 0'-7' : 4 INCH ID : PVC : SCHEDULE 40
	7		0.0	7-11.5' CINDERS, SHELLS, COAL FRAGMENTS	
	8		20.3		SCREEN (9.5 FEET) : 7-16.5' : 4 INCH ID : PVC : SCHEDULE 40 : 0.020" SLOT
	9				
	10				
	11				
	12		0.0	11.5-12' SCHIST FRAGMENTS	BOTTOM CAP
	12		0.0	12-12.5' SAND, BLACK	
	13		0.0	12.5-16.5' MEADOW MAT, PEAT GRADING TO BLACK GREY ORGANIC CLAY	
	14				
	15				
	16				

CLIENT: DEXTER CHEMICAL		WELL LOG	WELL No. MW-2
PROJECT NO. 970910 SITE LOCATION: BRONX, NY		THE WHITMAN COMPANIES, INC. SHEET 1 OF 1	
DRILLING Co. MILLER ENVIRONMENTAL DRILLER: MARK MULLER		DATE STARTED: 3/11/98 DATE COMPLETED: 3/11/98	
TYPE OF RIG: HOLLOW STEM AUGER HOLE DIA.: 8"		GEOLOGIST: GARY WEISSBERGER	
SAMPLER TYPE: SPLIT SPOON DIA.: 2 IN.		TOTAL DEPTH 16.5'	
HAMMER WT.: 140 LBS. FALL: 30 IN.		WATER LEVEL STABILIZED AT 10.67 BELOW TOC ON 3/26/98	
SURVEYED ELEVATION OF T.O.C. 98.56 ▼ DEPTH TO GW 10.67'		TOC = TOP OF CASING	

WELL COMPLETION DIAGRAM	DEPTH (FEET)	GRAPHIC LOG	MAXIMUM PID READING	SOIL DESCRIPTION	REMARKS
	0		0.0	0-1' CONCRETE	FLUSHMOUNT MANHOLE
	1			1-4' SILT, BROWN	MASTER LOCK: : #0505
	2		0.0		PVC LOCKING CAP
	3				CEMENT : 0'-3'
	4			4-5' BLACK CINDERS	BENTONITE : 3-4'
	5		0.0	5-11' CINDERS, COAL AND SHELL FRAGMENTS	GRAVELPACK : 4-16.5' : #2 SAND
	6				
	7				RISER (6.5 FEET) : 0'-6.5' : 4 INCH ID
	8		0.0		: PVC : SCHEDULE 40
	9				SCREEN (10 FEET) : 6.5-16.5' : 4 INCH ID
	10				: PVC : SCHEDULE 40 : 0.020" SLOT
	11			11-13' CLAY, BLACK ORGANIC WITH SCHIST FRAGMENTS	BOTTOM CAP
	12		0.0		
	13		0.0	13-16.5' MEADOW MAT, PEAT GRADING TO GREY ORGANIC CLAY	
	14				
	15				
	16				

CLIENT: DEXTER CHEMICAL

WELL LOG

WELL No. MW-3

PROJECT No. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER ENVIRONMENTAL DRILLER: MARK MULLER

DATE STARTED: 3/12/98 DATE COMPLETED: 3/12/98

TYPE OF RIG: AIR ROTARY HOLE DIA.: 8"

GEOLOGIST: GARY WEISSBERGER

SAMPLER TYPE: SPLIT SPOON DIA.: 2 IN.

TOTAL DEPTH 14'

HAMMER WT.: 140 LBS.

FALL: 30 IN.

WATER LEVEL STABILIZED AT 8.31 BELOW TOC ON 3/26/98

SURVEYED ELEVATION OF T.O.C. 97.10

▼ DEPTH TO GW 8.31'

TOC = TOP OF CASING

WELL COMPLETION DIAGRAM	DEPTH (FEET)	GRAPHIC LOG	MAXIMUM PID READING	SOIL DESCRIPTION	REMARKS
	0		0.0	0'-0.5' CONCRETE	FLUSHMOUNT MANHOLE
	1			0.5-5' BLACK SILT WITH CINDERS	MASTER LOCK: : #0505
	2		0.0		PVC LOCKING CAP
	3				CEMENT : 0'-2.5'
	4				BENTONITE : 2.5-3'
	5			5 -7' GREY SILTY CLAY	GRAVELPACK : 3'-14' : #2 SAND
	6		0.0		RISER (4 FEET) : 0'-4' : 4 INCH ID : PVC : SCHEDULE 40
	7			7-9' GREY SILT AND SAND	
	8		0.0		SCREEN (10 FEET) : 4'-14' : 4 INCH ID : PVC : SCHEDULE 40 : 0.020" SLOT
	9			9-11' BLACK SILT AND CLAY WITH MINOR PEAT	BOTTOM CAP
	10				
	11			11-13' BLACK SILTY CLAY WITH MINOR PEAT	
	12				
	13			13-13.5' BLACK SAND, SHELL AND CINDERS	
	14			13.5-14' MEADOW MAT (PEAT)	

CLIENT: DEXTER CHEMICAL

WELL LOG

WELL No. MW-4

PROJECT NO. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER ENVIRONMENTAL DRILLER: MARK MULLER

DATE STARTED: 3/10/98 DATE COMPLETED: 3/10/98

TYPE OF RIG: HOLLOW STEM AUGER HOLE DIA.: 8"

GEOLOGIST: GARY WEISSBERGER

SAMPLER TYPE: SPLIT SPOON DIA.: 2 IN.

TOTAL DEPTH 11'

HAMMER WT.: 140 LBS.

FALL: 30 IN.

WATER LEVEL STABILIZED AT 5.07 BELOW TOC ON 3/26/98

SURVEYED ELEVATION OF T.O.C. 93.27

▼ DEPTH TO GW 5.07'

TOC = TOP OF CASING

WELL COMPLETION DIAGRAM	DEPTH (FEET)	GRAPHIC LOG	MAXIMUM PID READING	SOIL DESCRIPTION	REMARKS
	0		0.0	0'-0.5' CONCRETE	FLUSHMOUNT MANHOLE
			0.0	0.5'-1' SAND, TAN, FINE	
	1		0.0	1'-1.5' CONCRETE	MASTER LOCK: : #0505
			0.0	1.5'-3' SAND, BROWN, MEDIUM	PVC LOCKING CAP
	2		0.0		
	3		0.0	3'-4.5' SILT, RED-BROWN, MICACEOUS	CEMENT : 0'-1.5'
	4		0.0		BENTONITE : 1.5'-2'
	5		0.5	4.5'-8.5' CINDERS BLACK WITH MINOR WOOD FRAGMENTS	GRAVELPACK : 2'-11' : #2 SAND
	6		0.5		RISER (3 FEET) : 0'-3' : 4 INCH ID : PVC : SCHEDULE 40
	7		0.0	8.5'-9' FIBEROUS DEBRIS AND GRAY CLAY	SCREEN (8 FEET) : 3'-11' : 4 INCH ID : PVC : SCHEDULE 40 : 0.020" SLOT
	8		0.0	9'-11' MEADOW MAT, PEAT GRADING TO ORGANIC BLACK CLAY	BOTTOM CAP
	9		0.0		
	10		0.0		
	11				

CLIENT: DEXTER CHEMICAL		WELL LOG	WELL No. MW-5
PROJECT NO. 970910 SITE LOCATION: BRONX, NY		THE WHITMAN COMPANIES, INC. SHEET 1 OF 1	
DRILLING Co. MILLER ENVIRONMENTAL DRILLER: MARK MULLER		DATE STARTED: 3/10/98 DATE COMPLETED: 3/10/98	
TYPE OF RIG: HOLLOW STEM AUGER HOLE DIA.: 8"		GEOLOGIST: GARY WEISSBERGER	
SAMPLER TYPE: SPLIT SPOON DIA.: 2 IN.		TOTAL DEPTH 14'	
HAMMER WT.: 140 LBS. FALL: 30 IN.		WATER LEVEL STABILIZED AT 4.93 BELOW TOC ON 3/26/98	
SURVEYED ELEVATION OF T.O.C. 93.41 ▼ DEPTH TO GW 4.93'		TOC = TOP OF CASING	

WELL COMPLETION DIAGRAM	DEPTH (FEET)	GRAPHIC LOG	MAXIMUM PID READING	SOIL DESCRIPTION	REMARKS
	0	X	0.0	0'-0.5' CONCRETE	FLUSHMOUNT MANHOLE
	1	.		0.5-4' CINDERS, BLACK	
	2	.	20		MASTER LOCK: : #0572
	3	.			PVC LOCKING CAP
	4	X	41	4-4.5' CONCRETE FRAGMENTS AND GREY CLAY	CEMENT : 0'-1.5'
	5	.		4.5-14' MEDIUM COARSE GRAVEL WITH CINDERS, COAL, BRICK SHELL FRAGMENTS AND WOOD FRAGMENTS POORLY SORTED	BENTONITE : 1.5'-2'
	6	.			GRAVELPACK : 2'-14'
	7	.			: #2 SAND
	8	.			RISER (4 FEET) : 0'-4'
	9	.	34		: 4 INCH ID
	10	.			: PVC
	11	.			: SCHEDULE 40
	12	.			SCREEN (10 FEET) : 4'-14'
	13	.			: 4 INCH ID
	14	.			: PVC : SCHEDULE 40 : 0.020" SLOT
					BOTTOM CAP

CLIENT: DEXTER CHEMICAL

WELL LOG

WELL No. MW-6

PROJECT No. 970910 SITE LOCATION: BRONX, NY

THE WHITMAN COMPANIES, INC.

SHEET 1 OF 1

DRILLING Co. MILLER ENVIRONMENTAL DRILLER: MARK MULLER

DATE STARTED: 3/12/98 DATE COMPLETED: 3/12/98

TYPE OF RIG: AIR ROTARY HOLE DIA.: 8"

GEOLOGIST: GARY WEISSBERGER

SAMPLER TYPE: SPLIT SPOON DIA.: 2 IN.

TOTAL DEPTH 11'

HAMMER WT.: 140 LBS.

FALL: 30 IN.

WATER LEVEL STABILIZED AT 5.93 BELOW TOC ON 3/26/98

SURVEYED ELEVATION OF T.O.C. 94.50

▼ DEPTH TO GW 5.93'

TOC = TOP OF CASING

WELL COMPLETION DIAGRAM	DEPTH (FEET)	GRAPHIC LOG	MAXIMUM PID READING	SOIL DESCRIPTION	REMARKS
	0		0.0	0'-0.5' CONCRETE	FLUSHMOUNT MANHOLE
	1		0.0	0.5'-1.5' BLACK CINDERS AND BRICK FRAGMENTS	
	2		0.0	1.5'-2' CONCRETE	MASTER LOCK: : #0572 PVC LOCKING CAP
	2		2.0	2'-2.5' TAN SILT	
	3		0.0	2.5'-3' BLACK CLAY	CEMENT : 0'-1.5' BENTONITE : 1.5'-2'
	3		0.0	3'-3.5' CONCRETE	
	4		3.0	3.5'-5' GREY SILT AND CLAY	GRAVELPACK : 2'-11' : #2 SAND
	5		0.2	5'-7' GREY CLAY	
	6		0.2	- SCHIST FRAGMENTS AT 7'	RISER (3 FEET) : 0'-3' : 4 INCH ID : PVC : SCHEDULE 40
	7		5.0	7'-9' GREY SILTY CLAY	
	8		5.0	9'-11' BLACK SHELL FRAGMENTS	SCREEN (8 FEET) : 3'-11' : 4 INCH ID : PVC : SCHEDULE 40 : 0.020" SLOT
	9		0.0		
	10		0.0		BOTTOM CAP
	11				

ATTACHMENT 3
WELL PURGING AND SAMPLING FORMS



THE WHITMAN COMPANIES, INC.
WELL PURGING AND SAMPLING FORM

SITE: Dexter Chemical WELL NO.: MW-1
DATE: 3-26-98 PERSONNEL: Rich Song Gary Weissberger WEATHER: 35 Light Drizzle

PRIOR TO PURGING:

CASING DIAMETER: 4" in.
DEPTH OF WELL: 16.60 ft
DEPTH TO WATER FROM T.O.C.: 11.59 ft
SATURATED THICKNESS: 5.01 ft
DEPTH TO TOP OF SCREEN: _____ ft
VOLUME OF WATER IN WELL: 3.25 gal
VOLUME TO BE PURGED: (x 3) 10 gal

CONVERSION FACTORS	
CASING DIA.	GALLONS/L.F.
2"	0.16
4"	0.65
6"	1.46
8"	2.61
10"	4.08
12"	5.87

PURGING:

METHOD USED: Electric Submersible *will measure for metals contained by well*
TIME STARTED: 9:08 *for other parameters*
TIME FINISHED: 10:00
TOTAL PURGING TIME: _____ min.
PUMP INTAKE DEPTH: _____ ft
TOTAL VOLUME _____
PURGED: 11 gal
PURGING RATE: 0.5 gpm

COMMENTS:

AFTER PURGING:

DEPTH OF WATER: 13.70 ft TIME: 10:02

SAMPLING:

METHOD (EQUIPMENT) USED: Pump for metals *10:15*
SAMPLING DEPTH/LEVEL: _____ ft *Lab for Vol + BVS*
TIME: 12:30

COMMENTS:

PHYSICAL PARAMETERS:

PARAMETER	UNITS	START OF PURGING	DURING PURGING	END OF PURGING	DURING SAMPLING	COMMENTS
TIME	—	9:08	9:30	10:00		
pH	—	4.28	4.25	4.26		
TEMPERATURE	F / C	65.8	71.9	71.7		
ELEC. CONDUCTIVITY	mS / μ S	489	453	487		
DISSOLVED OXYGEN	ppm	3.0	1.30	1.6		

300 ml/min
 reduced to 200 ml/min

Time	pH	TEMP	Conductivity	DO	Turbidity	DTW
9:04	4.28	65.8F	489US	3.0 ppm	79.30	12.0
9:15	4.25	72.6	489	1.40	40.9	12.05
9:22	4.25	74.8	480	1.20	20.40	12.10
9:30	4.25	74.9	483	1.30	8.00	12.10

THE WHITMAN COMPANIES, INC.
WELL PURGING AND SAMPLING FORM

SITE: Dexter Chemical WELL NO.: MW-2
DATE: 3-26-98 PERSONNEL: Rich Sory, Gary WEATHER: Cloudy 30's

PRIOR TO PURGING:

CASING DIAMETER: 4 in.
DEPTH OF WELL: 16.7 ft
DEPTH TO WATER FROM T.O.C.: 10.67 ft
SATURATED THICKNESS: 6.03 ft
DEPTH TO TOP OF SCREEN: _____ ft
VOLUME OF WATER IN WELL: 3.9 gal.
VOLUME TO BE PURGED: (x 3) 12 gal.

CONVERSION FACTORS	
CASING DIA.	GALLONS/L.F.
2"	0.16
4"	0.65
6"	1.46
8"	2.61
10"	4.08
12"	5.87

PURGING:

METHOD USED: Electric Submers. b/t PUMP INTAKE DEPTH: _____ ft
TIME STARTED: 10:51 TOTAL VOLUME
TIME FINISHED: 12:00 PURGED: 13 gal.
TOTAL PURGING TIME: _____ min. PURGING RATE: 0.5-1 gpm

*Will Micropurge for metals - on back -
& Continue at higher purge rate for VO's & B.N.*

COMMENTS:

AFTER PURGING:

DEPTH OF WATER: 10.98 ft TIME: 12:00
SAMPLING: *Sample metals*
METHOD (EQUIPMENT) USED: 11.33 From amp DTW 10.6'
SAMPLING DEPTH/LEVEL: _____ ft TIME: 12:20

COMMENTS:

PHYSICAL PARAMETERS:

PARAMETER	UNITS	START OF PURGING	DURING PURGING	END OF PURGING	DURING SAMPLING	COMMENTS
TIME	—	10:51	11:30	12:00		
pH	—	6.22	6.57	5.71		
TEMPERATURE	(F) °C	66	75.8	73.1		
ELEC. CONDUCTIVITY	mS (µS)	463	492	491		
DISSOLVED OXYGEN	ppm	3.2	6.3	~~5.55~~		

1.5

rate	Time	pH	Temp	Conductivity	DO	Turbidity NTU	DTLW
750 ml/min	10:51	6.22	66(F)	463us	3.2ppm	87.3	
500 ml/min	10:00	6.30	72.8 F	475	1.5	60.5	10.6
500 ml/min	11:05	6.55	74.6	489	0.7	43.1	10.75
450 ml/min	11:10	6.56	74.6	492	0.5	34.0	10.77
400 ml/min	11:15	6.57	75.2	486	0.4	23.4	10.77
400 ml/min	11:20	6.57	75.6	488	0.3	18.5	10.76
75 ml/min	11:25	6.57	76.3	492us	0.3	16.8	10.76
50 ml/min	11:30	6.57	75.8	492us	0.3	12.6	10.77

1 well Volume purged will sample For next 15
 Then increase pump rate to finish purge

THE WHITMAN COMPANIES, INC.
WELL PURGING AND SAMPLING FORM

SITE: Dexter Chemical

WELL NO.: MLW-3

DATE: 3-26-93

PERSONNEL: Guy Weissberger Richery

WEATHER: Sunny 50's

PRIOR TO PURGING:

CASING DIAMETER: 4 1/2 in.
DEPTH OF WELL: 14.40 ft.
DEPTH TO WATER FROM T.O.C.: 8.31 ft.
SATURATED THICKNESS: 6.09 ft.
DEPTH TO TOP OF SCREEN: _____ ft.
VOLUME OF WATER IN WELL: 4 gal.
VOLUME TO BE PURGED: (x 3) 12 gal.

CONVERSION FACTORS	
CASING DIA.	GALLONS/L.F.
2"	0.16
4"	0.65
6"	1.46
8"	2.61
10"	4.08
12"	5.87

PURGING:

METHOD USED: Electric Submersible *min. pulse for metals*
PUMP INTAKE DEPTH: _____ ft.
TIME STARTED: 14:34
TOTAL VOLUME _____
TIME FINISHED: _____
PURGED: _____
TOTAL PURGING TIME: _____ min.
PURGING RATE: _____ gpm

COMMENTS:

AFTER PURGING:

DEPTH OF WATER: 10.5 ft. TIME: 15:33

SAMPLING:

METHOD (EQUIPMENT) USED: Pump for metals
TIME: 15:20
SAMPLING DEPTH/LEVEL: _____ ft.
TIME: 15:50
COMMENTS: Ba. bi Vo + BN Tripropyl Alcohol
Aw 8.66

PHYSICAL PARAMETERS:

PARAMETER	UNITS	START OF PURGING	DURING PURGING	END OF PURGING	DURING SAMPLING	COMMENTS
TIME	—	14:36	15:15	15:28		
pH	—	6.62	6.62	6.59		
TEMPERATURE	F C	61.7	68.7	64.5		
ELEC. CONDUCTIVITY	mS (uS)	205	299	310		
DISSOLVED OXYGEN	ppm	2.1	0.6	0.4		

Start
Pump
14:34

Time	pH	Temp	Conduct.	DO	Turbidity	DTW	Rat
14:34							
14:36	6.67	61.7 (F)	305 (US)	2.1	140 NTU	9.20	700
14:40	6.70	63.9	306 us	1.1	175 NTU	9.17	500
14:50	6.64	65.5	301	0.6	147	9.12	600
14:55							22
15:00	6.60	67.4	302	1.1	154	8.95	275
15:05	6.60	66.6	299	0.7	115	9.07	28
15:10	6.60	67.1	300 NS	0.6	115	9.10	22
15:15	6.62	68.7	299 us	0.6	106	8.95	2
15:20	Collect	Metal	Sample From Pump				

THE WHITMAN COMPANIES, INC.
WELL PURGING AND SAMPLING FORM

SITE: Dexter Chemical WELL NO.: NW-4
DATE: 3-26-98 PERSONNEL: Gary Weissberger Richberg WEATHER: Sunny 40's

PRIOR TO PURGING:

CASING DIAMETER: 4" in.
DEPTH OF WELL: 10.70 ft
DEPTH TO WATER FROM T.O.C.: 5.07 ft
SATURATED THICKNESS: 5.63 ft
DEPTH TO TOP OF SCREEN: _____ ft
VOLUME OF WATER IN WELL: 3.7 gal
VOLUME TO BE PURGED: (x 3) 12 gal

CONVERSION FACTORS	
CASING DIA.	GALLONS/L.F.
2"	0.16
4"	0.65
6"	1.46
8"	2.61
10"	4.08
12"	5.87

PURGING:

METHOD USED: Rev. Flo Electric Submersible on back
PUMP INTAKE DEPTH: _____ ft For BWS & H
TIME STARTED: 13:00 TOTAL VOLUME _____
TIME FINISHED: 13:47 PURGED: 13 gal
TOTAL PURGING TIME: _____ min. PURGING RATE: _____ gpm

COMMENTS:

AFTER PURGING:

DEPTH OF WATER: 5.4 ft TIME: 13:44

SAMPLING:

METHOD (EQUIPMENT) USED: pump Metals from Barler Vos BA
SAMPLING DEPTH/LEVEL: Time: 13:30 ft DTW TIME: 14:00
COMMENTS: 5.05

PHYSICAL PARAMETERS:

PARAMETER	UNITS	START OF PURGING	DURING PURGING	END OF PURGING	DURING SAMPLING	COMMENTS
TIME	-	13:00	13:30	13:44		
pH	-	6.55	6.63	6.75		
TEMPERATURE	F C	66.6	65.4	64.4		
ELEC. CONDUCTIVITY	mS uS	939	830	801		
DISSOLVED OXYGEN	ppm	1.0	0.0	4.1		

TIME	TEMP	pH	Conductivity	DO	Turbidity	DTW	
13:00	66.6 F	6.55	93705	1.0	4.4		500ml
13:10	67.6	6.59	9107	0.2	11.7	5.29	200ml
13:15	68.6	6.58	90405	0.1	10.8		
13:20	67.4	6.61	88205	0.0	4.51	5.32	500ml
13:25	66.1	6.63	83405	0.0	2.68	5.35	
13:30	65.4	6.63	83005	0.0	1.50	5.34	
Sample 5 Gallon polsep		13:30 - Time					
formet 9/5							

THE WHITMAN COMPANIES, INC.
WELL PURGING AND SAMPLING FORM

SITE: Dexter Chemical WELL NO.: MW-5
DATE: 3-26-98 PERSONNEL: R. Song G. Weissberg WEATHER: SM 140°F

PRIOR TO PURGING:

CASING DIAMETER: 4 in.
DEPTH OF WELL: 13.50 ft
DEPTH TO WATER FROM T.O.C.: 4.93 ft
SATURATED THICKNESS: 8.57 ft
DEPTH TO TOP OF SCREEN: _____ ft
VOLUME OF WATER IN WELL: 5.57 gal
VOLUME TO BE PURGED: (x 3) 17 gal

CONVERSION FACTORS	
CASING DIA.	GALLONS/L.F.
2"	0.16
4"	0.65
6"	1.46
8"	2.61
10"	4.08
12"	5.87

PURGING:

METHOD USED: Electric Submersible Pump INTAKE DEPTH: _____ ft
TIME STARTED: 4:35 16:35 TOTAL VOLUME
TIME FINISHED: 17:13 PURGED: _____ gal.
TOTAL PURGING TIME: _____ min. PURGING RATE: 2 1/2 45 gpm

COMMENTS:

AFTER PURGING:

DEPTH OF WATER: 4.98 ft TIME: 17:13

SAMPLING:

METHOD (EQUIPMENT) USED: PP metals 16:55 Vos + Bw
from Bailer
SAMPLING DEPTH/LEVEL: _____ ft TIME: 17:20
COMMENTS: Pump DTW 4.70

PHYSICAL PARAMETERS:

PARAMETER	UNITS	START OF PURGING	DURING PURGING	END OF PURGING	DURING SAMPLING	COMMENTS
TIME	-	4:35	4:55			
pH	-	6.33	6.39			
TEMPERATURE	F C	72.0	73.2			
ELEC. CONDUCTIVITY	mS uS	555	595			
DISSOLVED OXYGEN	ppm	1.6	0.0			

[illegible]

THE WHITMAN COMPANIES, INC.
WELL PURGING AND SAMPLING FORM

SITE: Dexter Chemical WELL NO.: Ma-6
DATE: 3-26-98 PERSONNEL: R. Long G. Weissberger WEATHER: 50° 5

PRIOR TO PURGING:

CASING DIAMETER: 4" in.
DEPTH OF WELL: 10.80 ft.
DEPTH TO WATER FROM T.O.C.: 5.93 ft.
SATURATED THICKNESS: 4.87 ft.
DEPTH TO TOP OF SCREEN: _____ ft.
VOLUME OF WATER IN WELL: 3.17 gal.
VOLUME TO BE PURGED: (x 3) 10 gal.

CONVERSION FACTORS	
CASING DIA.	GALLONS/L.F.
2"	0.16
4"	0.65
6"	1.46
8"	2.61
10"	4.08
12"	5.87

PURGING:

METHOD USED: Electric Submersible PUMP INTAKE DEPTH: _____ ft.
TIME STARTED: 5:50 TOTAL VOLUME _____
TIME FINISHED: _____ PURGED: 10 gal.
TOTAL PURGING TIME: _____ min. PURGING RATE: _____ gpm

COMMENTS: Water is Black

AFTER PURGING:

DEPTH OF WATER: 6.60 ft. TIME: 6:26

SAMPLING:

METHOD (EQUIPMENT) USED: 1615 Sample Barler Forve-BN
SAMPLING DEPTH/LEVEL: Metals from Pump ft. TIME: 18:45

COMMENTS: _____

PHYSICAL PARAMETERS:

PARAMETER	UNITS	START OF PURGING	DURING PURGING	END OF PURGING	DURING SAMPLING	COMMENTS
TIME	-	5:55	6:15	6:26		
pH	-	6.77	6.72	6.92		
TEMPERATURE	(F) C	67.7	71.5	70.0		
ELEC. CONDUCTIVITY	(mS) uS	3.48	3.03	56405		
DISSOLVED OXYGEN	ppm	1.1	0.0	8.1		

EP

Time	pH	Temp	Conduct.	DO	Turbidity	DW
5:55	6.77	67.7°F	3.48 mS	1.1	56.4	6.03
6:00	67.3	69.3	3.27 mS	0.2	86.5	
6:05	6.66	70.0	3.12 mS	0.0	20	6.12
6:10	6.69	71.7	3.05 mS	0.0	5	5.96
6:15	6.72	71.8	3.08 mS	0.0	3.4	6.00

5 gallons purgel

Sample means at 6.15

ATTACHMENT 4
LABORATORY DATA

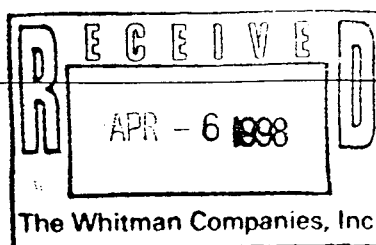


**SOIL SAMPLES
COLLECTED MARCH 10, 1998**



ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com



April 3, 1998

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

Attention: Dr. Ira Whitman

Re: Job No. B989 - Dexter Chemical

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on March 12, 1998:

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
48923	A-1_4-6	PP VOA+10, TOC
48924	A-1_6-9	TOC
48925	A-1_20-21	PP VOA+10, PP BN+15, PP Metals, TOC
48926	B-1_4-6	PP VOA+10, PP Metals, TOC
48927	B-1_16-18	PP VOA+10 PP BN+15, PP Metals, TOC
48928	B-2_1-2	PP VOA+10, PP BN+15, PP Metals
48929	B-2_3-4	PP VOA+10, PP BN+15, PP Metals
48930	MW-5_4.5-5	PP VOA+10, PP BN+15, PP Metals
48931	B-3_1-2	PP VOA+10, PP BN+15, PP Metals, TOC
48932	B-3_15-16	PP VOA+10 PP BN+15, PP Metals, TOC
48933	MW-4_4.5-5	PP VOA+10, PP BN+15, PP Metals

ENVIROTECH RESEARCH, INC.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
48934	B-4_3.5-4	PP VOA+10, PP BN+15, PP Metals
48935	Field_Blank	PP VOA+10, PP BN+15, PP Metals, TOC

If you have any questions please contact your Project Manager, Robert McGrady,
at (732) 549-3900.

Very truly yours,



Michael J. Urban
Laboratory Manager

Client ID: A-1 4-6
Site: Dexter Chemical

Lab Sample No: 48923
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5102.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 200.0
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		610
Bromomethane	ND		610
Vinyl Chloride	ND		610
Chloroethane	ND		610
Methylene Chloride	ND		610
Trichlorofluoromethane	ND		610
1,1-Dichloroethene	ND		610
1,1-Dichloroethane	ND		610
trans-1,2-Dichloroethene	ND		610
cis-1,2-Dichloroethene	ND		610
Chloroform	ND		610
1,2-Dichloroethane	ND		610
1,1,1-Trichloroethane	ND		610
Carbon Tetrachloride	ND		610
Bromodichloromethane	ND		610
1,2-Dichloropropane	ND		610
cis-1,3-Dichloropropene	ND		610
Trichloroethene	ND		610
Dibromochloromethane	ND		610
1,1,2-Trichloroethane	ND		610
Benzene	430 J		610
trans-1,3-Dichloropropene	ND		610
2-Chloroethyl Vinyl Ether	ND		610
Bromoform	ND		610
Tetrachloroethene	ND		610
1,1,2,2-Tetrachloroethane	ND		610
Toluene	360 J		610
Chlorobenzene	7200		610
Ethylbenzene	3200		610
Xylene (Total)	25000		610

Client ID: A-1 4-6
Site: Dexter Chemical

Lab Sample No: 48923
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5102.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 200.0
% Moisture: 18.4

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C9H18 Cycloalkane	15.67	160000	
2. Unknown Alkane	15.78	140000	
3. C10H20 Cycloalkane/ trimethylbenzene i	16.38	300000	
4. Ethylmethylbenzene isomer/ unknown aro	16.67	160000	
5. Trimethylbenzene isomer	16.84	180000	
6. C10H20 Cycloalkane/ unknown	17.10	260000	
7. Diethylbenzene isomer	17.55	200000	
8. Naphthalene, decahydro-, trans-	17.79	140000	
9. Tetramethylbenzene isomer	17.92	93000	
10. Unknown Aromatic	18.56	77000	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
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21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

1710000

Client ID: A-1 20-21
Site: Dexter Chemical

Lab Sample No: 48925
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0584.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.8 g
Purge Volume: 5.0 ml
% Moisture: 49

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	2.0
Bromomethane	ND	2.0
Vinyl Chloride	ND	2.0
Chloroethane	ND	2.0
Methylene Chloride	1.1JB	2.0
Trichlorofluoromethane	ND	2.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	2.0
trans-1,2-Dichloroethene	ND	2.0
cis-1,2-Dichloroethene	ND	2.0
Chloroform	ND	2.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	2.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	2.0
1,2-Dichloropropane	ND	2.0
cis-1,3-Dichloropropene	ND	2.0
Trichloroethene	ND	2.0
Dibromochloromethane	ND	2.0
1,1,2-Trichloroethane	ND	2.0
Benzene	ND	2.0
trans-1,3-Dichloropropene	ND	2.0
2-Chloroethyl Vinyl Ether	ND	2.0
Bromoform	ND	2.0
Tetrachloroethene	ND	2.0
1,1,2,2-Tetrachloroethane	ND	2.0
Toluene	3.0	2.0
Chlorobenzene	ND	2.0
Ethylbenzene	1.2J	2.0
Xylene (Total)	2.3	2.0

Client ID: A-1 20-21
Site: Dexter Chemical

Lab Sample No: 48925
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0584.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.8 g
Purge Volume: 5.0 ml
% Moisture: 49.2

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Carbon disulfide	8.66	30	
2. Methylthiophene Isomer	14.32	12	
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
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21.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

42

Client ID: A-1 20-21
Site: Dexter Chemical

Lab Sample No: 48925
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4078.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 49

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	650
bis(2-Chloroethyl) ether	ND	32
1,3-Dichlorobenzene	ND	650
1,4-Dichlorobenzene	ND	650
1,2-Dichlorobenzene	ND	650
bis(2-chloroisopropyl) ether	ND	650
N-Nitroso-di-n-propylamine	ND	32
Hexachloroethane	ND	32
Nitrobenzene	ND	32
Isophorone	ND	650
bis(2-Chloroethoxy) methane	ND	650
1,2,4-Trichlorobenzene	ND	650
Naphthalene	ND	32
Hexachlorobutadiene	ND	65
Hexachlorocyclopentadiene	ND	650
2-Chloronaphthalene	ND	650
Dimethylphthalate	ND	650
Acenaphthylene	ND	32
2,6-Dinitrotoluene	ND	65
Acenaphthene	ND	32
2,4-Dinitrotoluene	ND	65
Diethylphthalate	ND	650
4-Chlorophenyl-phenylether	ND	650
Fluorene	ND	32
N-Nitrosodiphenylamine	ND	650
4-Bromophenyl-phenylether	ND	650
Hexachlorobenzene	ND	32
Phenanthrene	18 J	650
Anthracene	ND	650
Di-n-butylphthalate	ND	650
Fluoranthene	ND	650
Pyrene	13 J	650
Benzidine	ND	1300
Butylbenzylphthalate	ND	650

Client ID: A-1 20-21
Site: Dexter Chemical

Lab Sample No: 48925
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4078.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 49

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Analytical Results
Units: ug/kg
(Dry Weight)

Quantitation
Limit
Units: ug/kg

Parameter

3,3'-Dichlorobenzidine
Benzo(a)anthracene
Chrysene
bis(2-Ethylhexyl)phthalate
Di-n-octylphthalate
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

ND
14 J
ND
ND
ND
ND
ND
ND
ND
ND
ND
ND

1300
32
65
650
650
32
32
32
32
32
32
65

Client ID: A-1 20-21
Site: Dexter Chemical

Lab Sample No: 48925
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4078.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 49.2

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Phenol	12.22	1300	
2. Benzoic acid	14.58	1100	
3. Benzeneacetic acid	15.48	3000	
4. Benzenepropanoic acid	16.37	4400	
5. Unknown	18.89	2200	
6. Unknown	24.47	1400	
7. Unknown	25.47	1700	
8. Unknown	25.70	2500	
9. Unknown Alkane	27.31	2800	
10. Unknown Alkane	29.59	1400	
11. Unknown	29.70	740	
12. Unknown	31.66	2000	
13. Unknown	32.48	1600	
14. Unknown	33.86	2000	
15. Unknown	34.58	1000	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

29140

Client ID: A-1 20-21
Site: Dexter Chemical

Lab Sample No: 48925
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 49.2

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	-ND	1.8	N	P
Arsenic	7.9	1.5		P
Beryllium	0.89	0.079		P
Cadmium	ND	0.16		P
Chromium	36.4	0.39		P
Copper	13.2	1.4		P
Lead	14.6	0.98		P
Nickel	26.4	0.83		P
Selenium	ND	1.9		P
Silver	ND	0.55		P
Thallium	ND	1.9		P
Zinc	76.4	1.8		P

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

Client ID: B-1 4-6
Site: Dexter Chemical

Lab Sample No: 48926
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5103.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 23

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	160
Bromomethane	ND	160
Vinyl Chloride	ND	160
Chloroethane	ND	160
Methylene Chloride	ND	160
Trichlorofluoromethane	ND	160
1,1-Dichloroethene	ND	160
1,1-Dichloroethane	ND	160
trans-1,2-Dichloroethene	ND	160
cis-1,2-Dichloroethene	ND	160
Chloroform	ND	160
1,2-Dichloroethane	ND	160
1,1,1-Trichloroethane	ND	160
Carbon Tetrachloride	ND	160
Bromodichloromethane	ND	160
1,2-Dichloropropane	ND	160
cis-1,3-Dichloropropene	ND	160
Trichloroethene	ND	160
Dibromochloromethane	ND	160
1,1,2-Trichloroethane	ND	160
Benzene	ND	160
trans-1,3-Dichloropropene	ND	160
2-Chloroethyl Vinyl Ether	ND	160
Bromoform	ND	160
Tetrachloroethene	ND	160
1,1,2,2-Tetrachloroethane	ND	160
Toluene	ND	160
Chlorobenzene	ND	160
Ethylbenzene	99 J	160
Xylene (Total)	140 J	160

Client ID: B-1 4-6
Site: Dexter Chemical

Lab Sample No: 48926
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5103.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.6

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C10H22 Alkane	15.44	70000	
2. C9H18 Cycloalkane	15.69	80000	
3. Unknown	16.40	43000	
4. Unknown Hydrocarbon	16.46	40000	
5. C10H14 Aromatic	16.81	32000	
6. C10H20 Cycloalkane	17.09	82000	
7. Diethylbenzene isomer	17.48	24000	
8. Naphthalene, decahydro-, trans-	17.78	40000	
9. C10H14 Aromatic	18.01	24000	
10. C10H14 Aromatic	18.46	32000	
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TOTAL ESTIMATED CONCENTRATION

467000

Client ID: B-1 4-6
Site: Dexter Chemical

Lab Sample No: 48926
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 22.6

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	1.4	1.2	BN	P
Arsenic	3.9	0.98		P
Beryllium	0.17	0.052	B	P
Cadmium	0.36	0.10	B	P
Chromium	9.7	0.26		P
Copper	103	0.90		P
Lead	96.0	0.65		P
Nickel	11.6	0.54		P
Selenium	ND	1.2		P
Silver	ND	0.36		P
Thallium	ND	1.2		P
Zinc	214	1.2		P

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

Client ID: B-1 16-18
Site: Dexter Chemical

Lab Sample No: 48927
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0573.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 65

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		2.7
Bromomethane	ND		2.7
Vinyl Chloride	ND		2.7
Chloroethane	ND		2.7
Methylene Chloride	ND		2.7
Trichlorofluoromethane	ND		2.7
1,1-Dichloroethene	ND		2.7
1,1-Dichloroethane	ND		2.7
trans-1,2-Dichloroethene	ND		2.7
cis-1,2-Dichloroethene	ND		2.7
Chloroform	ND		2.7
1,2-Dichloroethane	ND		2.7
1,1,1-Trichloroethane	ND		2.7
Carbon Tetrachloride	ND		2.7
Bromodichloromethane	ND		2.7
1,2-Dichloropropane	ND		2.7
cis-1,3-Dichloropropene	ND		2.7
Trichloroethene	ND		2.7
Dibromochloromethane	ND		2.7
1,1,2-Trichloroethane	ND		2.7
Benzene	ND		2.7
trans-1,3-Dichloropropene	ND		2.7
2-Chloroethyl Vinyl Ether	ND		2.7
Bromoform	ND		2.7
Tetrachloroethene	ND		2.7
1,1,2,2-Tetrachloroethane	ND		2.7
Toluene	160		2.7
Chlorobenzene	ND		2.7
Ethylbenzene	4.7		2.7
Xylene (Total)	4.4		2.7

Client ID: B-1 16-18
Site: Dexter Chemical

Lab Sample No: 48927
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0573.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 65.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Carbon disulfide	8.46	110	
2. C9H20 Alkane	15.15	96	
3. Unknown Hydrocarbon	16.25	180	
4. C10H22 Alkane	16.37	230	
5. C10H22 Alkane	16.57	140	
6. Unknown Cycloalkane	16.68	170	
7. Unknown	16.76	190	
8. C10H20 Cycloalkane	17.46	160	
9. Unknown Alkane	17.56	94	
10. Unknown Cycloalkane	18.22	230	
11.			
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TOTAL ESTIMATED CONCENTRATION

1600

Client ID: B-1 16-18
Site: Dexter Chemical

Lab Sample No: 48927
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4079.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 65

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		940
bis(2-Chloroethyl) ether	ND		47
1,3-Dichlorobenzene	ND		940
1,4-Dichlorobenzene	ND		940
1,2-Dichlorobenzene	ND		940
bis(2-chloroisopropyl) ether	ND		940
N-Nitroso-di-n-propylamine	ND		47
Hexachloroethane	ND		47
Nitrobenzene	ND		47
Isophorone	ND		940
bis(2-Chloroethoxy) methane	ND		940
1,2,4-Trichlorobenzene	ND		940
Naphthalene	36 J		47
Hexachlorobutadiene	ND		94
Hexachlorocyclopentadiene	ND		940
2-Chloronaphthalene	ND		940
Dimethylphthalate	ND		940
Acenaphthylene	ND		47
2,6-Dinitrotoluene	ND		94
Acenaphthene	26 J		47
2,4-Dinitrotoluene	ND		94
Diethylphthalate	ND		940
4-Chlorophenyl-phenylether	ND		940
Fluorene	29 J		47
N-Nitrosodiphenylamine	ND		940
4-Bromophenyl-phenylether	ND		940
Hexachlorobenzene	ND		47
Phenanthrene	150 J		940
Anthracene	43 J		940
Di-n-butylphthalate	ND		940
Fluoranthene	130 J		940
Pyrene	110 J		940
Benzidine	ND		1900
Butylbenzylphthalate	ND		940

Client ID: B-1_16-18
Site: Dexter Chemical

Lab Sample No: 48927
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4079.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 65

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		1900
Benzo(a)anthracene	73		47
Chrysene	55 J		94
bis(2-Ethylhexyl)phthalate	ND		940
Di-n-octylphthalate	ND		940
Benzo(b)fluoranthene	42 J		47
Benzo(k)fluoranthene	ND		47
Benzo(a)pyrene	31 J		47
Indeno(1,2,3-cd)pyrene	ND		47
Dibenz(a,h)anthracene	ND		47
Benzo(g,h,i)perylene	ND		94

Client ID: B-1 16-18
Site: Dexter Chemical

Lab Sample No: 48927
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4079.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 65.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Phenol	12.25	20000	
2. Phenol, 4-methyl-	13.54	11000	
3. Benzoic acid	14.69	9900	
4. Benzeneacetic acid	15.55	13000	
5. Benzenepropanoic acid	16.47	30000	
6. Unknown	24.35	6800	
7. Unknown	24.48	10000	
8. Unknown	24.59	4200	
9. Unknown Alkane	25.05	4900	
10. Unknown Alkane	25.71	7800	
11. Unknown Alkane	27.31	3100	
12. Unknown	29.94	3200	
13. Unknown	33.65	6500	
14. Unknown	34.11	130000	
15. Unknown	34.45	42000	
16.			
17.			
18.			
19.			
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21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

302400

Client ID: B-1 16-18
Site: Dexter Chemical

Lab Sample No: 48927
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 65.0

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	2.6	N	P
Arsenic	8.3	2.2		P
Beryllium	0.63	0.11	B	P
Cadmium	ND	0.23		P
Chromium	28.9	0.57		P
Copper	11.4	2.0	B	P
Lead	14.6	1.4		P
Nickel	18.6	1.2	B	P
Selenium	ND	2.7		P
Silver	ND	0.80		P
Thallium	ND	2.7		P
Zinc	50.9	2.6		P

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

Client ID: B-2 1-2
Site: Dexter Chemical

Lab Sample No: 48928
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0574.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 6

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.0
Bromomethane	ND	1.0
Vinyl Chloride	ND	1.0
Chloroethane	ND	1.0
Methylene Chloride	0.7JB	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,2-Dichloroethane	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
Bromoform	ND	1.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	0.6J	1.0
Chlorobenzene	ND	1.0
Ethylbenzene	ND	1.0
Xylene (Total)	ND	1.0

Client ID: B-2 1-2
Site: Dexter Chemical

Lab Sample No: 48928
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0574.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 5.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: B-2 1-2
Site: Dexter Chemical

Lab Sample No: 48928
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/23/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3590.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 6

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg

N-Nitrosodimethylamine	ND	350
bis(2-Chloroethyl) ether	ND	17
1,3-Dichlorobenzene	ND	350
1,4-Dichlorobenzene	ND	350
1,2-Dichlorobenzene	ND	350
bis(2-chloroisopropyl) ether	ND	350
N-Nitroso-di-n-propylamine	ND	17
Hexachloroethane	ND	17
Nitrobenzene	ND	17
Isophorone	ND	350
bis(2-Chloroethoxy) methane	ND	350
1,2,4-Trichlorobenzene	ND	350
Naphthalene	26 J	350
Hexachlorobutadiene	ND	35
Hexachlorocyclopentadiene	ND	350
2-Chloronaphthalene	ND	350
Dimethylphthalate	ND	350
Acenaphthylene	74 J	350
2,6-Dinitrotoluene	ND	35
Acenaphthene	42 J	350
2,4-Dinitrotoluene	ND	35
Diethylphthalate	ND	350
4-Chlorophenyl-phenylether	ND	350
Fluorene	66 J	350
N-Nitrosodiphenylamine	ND	350
4-Bromophenyl-phenylether	ND	350
Hexachlorobenzene	ND	17
Phenanthrene	770	350
Anthracene	230 J	350
Di-n-butylphthalate	ND	350
Fluoranthene	1500	350
Pyrene	1200	350
Benzidine	ND	700
Butylbenzylphthalate	ND	350

Client ID: B-2_1-2
Site: Dexter Chemical

Lab Sample No: 48928
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/23/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3590.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 6

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		700
Benzo(a)anthracene	700		17
Chrysene	790		350
bis(2-Ethylhexyl)phthalate	80 J		350
Di-n-octylphthalate	ND		350
Benzo(b)fluoranthene	780		17
Benzo(k)fluoranthene	350		17
Benzo(a)pyrene	640		17
Indeno(1,2,3-cd)pyrene	260		17
Dibenz(a,h)anthracene	63		17
Benzo(g,h,i)perylene	210 J		350

Client ID: B-2 1-2
Site: Dexter Chemical

Lab Sample No: 48928
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/23/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3590.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 5.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	18.70	310	
2. Unknown	24.17	560	
3. C20H12 PAH	28.39	370	
4. Unknown	30.90	290	
5. C22H12 PAH	33.09	340	
6.			
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TOTAL ESTIMATED CONCENTRATION

1870

Client ID: B-2 1-2
Site: Dexter Chemical

Lab Sample No: 48928
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 5.5

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	0.97	N	P
Arsenic	3.1	0.80		P
Beryllium	0.70	0.042		P
Cadmium	ND	0.085		P
Chromium	19.4	0.21		P
Copper	14.5	0.74		P
Lead	148	0.53		P
Nickel	13.0	0.44		P
Selenium	ND	1.0		P
Silver	ND	0.30		P
Thallium	ND	1.0		P
Zinc	78.6	0.95		P

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

Client ID: B-2 3-4
Site: Dexter Chemical

Lab Sample No: 48929
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0575.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	0.7JB	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	ND	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	1.2
Chlorobenzene	ND	1.2
Ethylbenzene	ND	1.2
Xylene (Total)	ND	1.2

Client ID: B-2 3-4
Site: Dexter Chemical

Lab Sample No: 48929
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0575.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 17.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: B-2 3-4
Site: Dexter Chemical

Lab Sample No: 48929
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4086.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		400
bis(2-Chloroethyl)ether	ND		20
1,3-Dichlorobenzene	ND		400
1,4-Dichlorobenzene	ND		400
1,2-Dichlorobenzene	ND		400
bis(2-chloroisopropyl)ether	ND		400
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		400
bis(2-Chloroethoxy)methane	ND		400
1,2,4-Trichlorobenzene	ND		400
Naphthalene	60		20
Hexachlorobutadiene	ND		40
Hexachlorocyclopentadiene	ND		400
2-Chloronaphthalene	ND		400
Dimethylphthalate	ND		400
Acenaphthylene	ND		20
2,6-Dinitrotoluene	ND		40
Acenaphthene	440		20
2,4-Dinitrotoluene	ND		40
Diethylphthalate	ND		400
4-Chlorophenyl-phenylether	ND		400
Fluorene	230		20
N-Nitrosodiphenylamine	ND		400
4-Bromophenyl-phenylether	ND		400
Hexachlorobenzene	ND		20
Phenanthrene	640		400
Anthracene	120	J	400
Di-n-butylphthalate	ND		400
Fluoranthene	170	J	400
Pyrene	310	J	400
Benzidine	ND		800
Butylbenzylphthalate	ND		400

Client ID: B-2 3-4
Site: Dexter Chemical

Lab Sample No: 48929
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4086.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		800
Benzo(a)anthracene	89		20
Chrysene	120		40
bis(2-Ethylhexyl)phthalate	ND		400
Di-n-octylphthalate	ND		400
Benzo(b)fluoranthene	75		20
Benzo(k)fluoranthene	ND		20
Benzo(a)pyrene	71		20
Indeno(1,2,3-cd)pyrene	30		20
Dibenz(a,h)anthracene	ND		20
Benzo(g,h,i)perylene	38 J		40

Client ID: B-2 3-4
Site: Dexter Chemical

Lab Sample No: 48929
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/19/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4086.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	21.37	330	
2. Unknown Organic Acid	23.88	450	
3. Unknown	24.46	1000	
4. Unknown	25.69	1800	
5. Unknown	26.78	560	
6. Unknown Alkane	27.29	580	
7. Unknown	27.33	1400	
8. Unknown	28.86	340	
9. Unknown Alkane	29.57	790	
10. Unknown	29.67	420	
11. Unknown Alkane	32.91	360	
12.			
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TOTAL ESTIMATED CONCENTRATION

8030

Client ID: B-2 3-4
Site: Dexter Chemical

Lab Sample No: 48929
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 17.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	2.9	0.92		P
Beryllium	0.51	0.049		P
Cadmium	ND	0.097		P
Chromium	23.1	0.24		P
Copper	21.8	0.85		P
Lead	126	0.61		P
Nickel	15.7	0.51		P
Selenium	ND	1.2		P
Silver	ND	0.34		P
Thallium	ND	1.2		P
Zinc	232	1.1		P

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

Client ID: MW-5 4.5-5
Site: Dexter Chemical

Lab Sample No: 48930
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0576.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	0.8JB	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	ND	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	0.7J	1.2
Chlorobenzene	ND	1.2
Ethylbenzene	ND	1.2
Xylene (Total)	ND	1.2

Client ID: MW-5 4.5-5
Site: Dexter Chemical

Lab Sample No: 48930
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0576.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 18.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Alkane	19.09	360	_____
2. Unknown Alkane	19.22	250	_____
3. C10H22 Alkane	19.53	250	_____
4. Unknown	19.84	250	_____
5. Decahydromethylnaphthalene isomer	20.17	330	_____
6. Unknown Alkane	20.32	490	_____
7. 2,3-dihydro-methyl-1H-Indene isomer	20.63	320	_____
8. 2,3-dihydro-dimethyl-1H-Indene isomer	20.97	380	_____
9. C11H16 Aromatic	21.09	200	_____
10. 2,3-dihydro-dimethyl-1H-Indene isomer	21.22	330	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
13. _____	_____	_____	_____
14. _____	_____	_____	_____
15. _____	_____	_____	_____
16. _____	_____	_____	_____
17. _____	_____	_____	_____
18. _____	_____	_____	_____
19. _____	_____	_____	_____
20. _____	_____	_____	_____
21. _____	_____	_____	_____
22. _____	_____	_____	_____
23. _____	_____	_____	_____
24. _____	_____	_____	_____
25. _____	_____	_____	_____
26. _____	_____	_____	_____
27. _____	_____	_____	_____
28. _____	_____	_____	_____
29. _____	_____	_____	_____
30. _____	_____	_____	_____

TOTAL ESTIMATED CONCENTRATION

3160

Client ID: B-3 1-2
Site: Dexter Chemical

Lab Sample No: 48931
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0601.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1.2
Bromomethane	ND		1.2
Vinyl Chloride	ND		1.2
Chloroethane	ND		1.2
Methylene Chloride	ND		1.2
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
1,1-Dichloroethane	ND		1.2
trans-1,2-Dichloroethene	ND		1.2
cis-1,2-Dichloroethene	ND		1.2
Chloroform	ND		1.2
1,2-Dichloroethane	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
Bromodichloromethane	ND		1.2
1,2-Dichloropropane	ND		1.2
cis-1,3-Dichloropropene	ND		1.2
Trichloroethene	ND		1.2
Dibromochloromethane	ND		1.2
1,1,2-Trichloroethane	ND		1.2
Benzene	ND		1.2
trans-1,3-Dichloropropene	ND		1.2
2-Chloroethyl Vinyl Ether	ND		1.2
Bromoform	ND		1.2
Tetrachloroethene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
Toluene	0.7J		1.2
Chlorobenzene	ND		1.2
Ethylbenzene	ND		1.2
Xylene (Total)	ND		1.2

Client ID: B-3 1-2
Site: Dexter Chemical

Lab Sample No: 48931
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0601.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 17.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. 2-Propanone	8.50	6.3	
2. Decahydronaphthalene isomer/Coeluting	19.73	6.1	
3. _____			
4. _____			
5. _____			
6. _____			
7. _____			
8. _____			
9. _____			
10. _____			
11. _____			
12. _____			
13. _____			
14. _____			
15. _____			
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18. _____			
19. _____			
20. _____			
21. _____			
22. _____			
23. _____			
24. _____			
25. _____			
26. _____			
27. _____			
28. _____			
29. _____			
30. _____			

TOTAL ESTIMATED CONCENTRATION

12

Client ID: B-3 1-2
Site: Dexter Chemical

Lab Sample No: 48931
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4089.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		400
bis(2-Chloroethyl) ether	ND		20
1,3-Dichlorobenzene	ND		400
1,4-Dichlorobenzene	ND		400
1,2-Dichlorobenzene	ND		400
bis(2-chloroisopropyl) ether	ND		400
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		400
bis(2-Chloroethoxy) methane	ND		400
1,2,4-Trichlorobenzene	ND		400
Naphthalene	110		20
Hexachlorobutadiene	ND		40
Hexachlorocyclopentadiene	ND		400
2-Chloronaphthalene	ND		400
Dimethylphthalate	ND		400
Acenaphthylene	120		20
2,6-Dinitrotoluene	ND		40
Acenaphthene	34		20
2,4-Dinitrotoluene	ND		40
Diethylphthalate	ND		400
4-Chlorophenyl-phenylether	ND		400
Fluorene	44		20
N-Nitrosodiphenylamine	ND		400
4-Bromophenyl-phenylether	ND		400
Hexachlorobenzene	ND		20
Phenanthrene	410		400
Anthracene	120 J		400
Di-n-butylphthalate	ND		400
Fluoranthene	720		400
Pyrene	800		400
Benzidine	ND		800
Butylbenzylphthalate	ND		400

Client ID: B-3_1-2
Site: Dexter Chemical

Lab Sample No: 48931
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4089.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	450	20
Chrysene	520	40
bis(2-Ethylhexyl)phthalate	ND	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	640	20
Benzo(k)fluoranthene	300	20
Benzo(a)pyrene	450	20
Indeno(1,2,3-cd)pyrene	170	20
Dibenz(a,h)anthracene	ND	20
Benzo(g,h,i)perylene	170	40

Client ID: B-3 1-2
Site: Dexter Chemical

Lab Sample No: 48931
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4089.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	13.92	380	
2. Unknown Alkane	15.99	340	
3. Unknown Alkane	17.80	520	
4. C16H34 Alkane	18.62	430	
5. Unknown Alkane	19.41	370	
6. Unknown	21.60	500	
7. Unknown	22.09	1100	
8. Unknown Alkane	22.17	1600	
9. Unknown	22.47	2000	
10. C17H12 PAH	23.30	530	
11. Unknown Organic Acid	23.89	480	
12. Unknown	25.79	680	
13. Unknown	28.73	580	
14. Unknown	29.92	1700	
15. Unknown	31.12	1700	
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TOTAL ESTIMATED CONCENTRATION

12910

Client ID: B-3 1-2
Site: Dexter Chemical

Lab Sample No: 48931
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 17.9

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	5.0	0.93		P
Beryllium	0.34	0.049	B	P
Cadmium	ND	0.097		P
Chromium	11.1	0.24		P
Copper	110	0.85		P
Lead	218	0.61		P
Nickel	13.3	0.51		P
Selenium	ND	1.2		P
Silver	ND	0.34		P
Thallium	ND	1.2		P
Zinc	207	1.1		P

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

Client ID: B-3 15-16
Site: Dexter Chemical

Lab Sample No: 48932
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0578.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 67

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	3.0
Bromomethane	ND	3.0
Vinyl Chloride	ND	3.0
Chloroethane	ND	3.0
Methylene Chloride	3.4B	3.0
Trichlorofluoromethane	ND	3.0
1,1-Dichloroethene	ND	3.0
1,1-Dichloroethane	ND	3.0
trans-1,2-Dichloroethene	ND	3.0
cis-1,2-Dichloroethene	ND	3.0
Chloroform	ND	3.0
1,2-Dichloroethane	ND	3.0
1,1,1-Trichloroethane	ND	3.0
Carbon Tetrachloride	ND	3.0
Bromodichloromethane	ND	3.0
1,2-Dichloropropane	20	3.0
cis-1,3-Dichloropropene	ND	3.0
Trichloroethene	ND	3.0
Dibromochloromethane	ND	3.0
1,1,2-Trichloroethane	ND	3.0
Benzene	7.9	3.0
trans-1,3-Dichloropropene	ND	3.0
2-Chloroethyl Vinyl Ether	ND	3.0
Bromoform	ND	3.0
Tetrachloroethene	6.0	3.0
1,1,2,2-Tetrachloroethane	ND	3.0
Toluene	57	3.0
Chlorobenzene	ND	3.0
Ethylbenzene	170	3.0
Xylene (Total)	940	3.0

Client ID: B-3 15-16
Site: Dexter Chemical

Lab Sample No: 48932
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0578.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 66.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. 2-Propanone	8.12	330	
2. Carbon disulfide	8.60	250	
3. Methylthiophene Isomer	14.30	550	
4. Dimethylbenzene isomer	16.01	670	
5. Dimethylbenzene isomer	16.01	670	
6. Ethylmethylbenzene isomer	17.51	190	
7. Trimethylbenzene isomer	17.60	400	
8. Ethylmethylbenzene isomer	17.90	180	
9. Trimethylbenzene isomer	18.07	380	
10. Ethyldimethylbenzene isomer	18.35	120	
11. Disulfide, bis(1-methylethyl)	18.58	550	
12. Coeluting Alkanes	19.20	98	
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TOTAL ESTIMATED CONCENTRATION

4388

Client ID: B-3 15-16
Site: Dexter Chemical

Lab Sample No: 48932
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4090.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 66.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Methylphenol iosmer	13.53	20000	
2. Unknown Organic Acid	21.00	2900	
3. Unknown Organic Acid	21.26	5400	
4. Unknown	21.54	3700	
5. Eicosanoic acid	23.75	7700	
6. Unknown Alkane	24.48	20000	
7. Unknown Alkane	25.05	7100	
8. Unknown Alkane	25.69	16000	
9. ERGOST-5-EN-3.BETA.-OL	32.17	9600	
10. Unknown	33.54	12000	
11. Unknown	33.97	150000	
12. Unknown	34.22	15000	
13. Unknown	34.77	160000	
14. Unknown	35.03	18000	
15. Unknown	35.39	37000	
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TOTAL ESTIMATED CONCENTRATION

484400

Client ID: B-3 15-16
Site: Dexter Chemical

Lab Sample No: 48932
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 66.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	2.8	N	P
Arsenic	5.7	2.3		P
Beryllium	0.42	0.12	B	P
Cadmium	ND	0.24		P
Chromium	33.7	0.60		P
Copper	11.1	2.1	B	P
Lead	18.4	1.5		P
Nickel	23.5	1.3		P
Selenium	ND	2.9		P
Silver	ND	0.84		P
Thallium	ND	2.9		P
Zinc	125	2.7		P

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

Site: Dexter Chemical

Lab Job No: B989

Date Sampled: 3/10/98

Date Received: 3/12/98

Matrix: SOIL

Date Analyzed: 3/18/98

QA Batch: 1333

TOTAL ORGANIC CARBON

<u>Envirotech Sample #</u>	<u>Client ID</u>	<u>% Moisture</u>	<u>Dilution Factor</u>	<u>Analytical Result mg/kg (Dry Wt.)</u>
48923	A-1_4-6	18.4	10	53700
48924	A-1_6-9	22.8	20	61500
48925	A-1_20-21	49.2	20	43800
48926	B-1_4-6	22.6	4.0	41400
48927	B-1_16-18	65.0	50	145000
48931	B-3_1-2	17.9	50	82000
48932	B-3_15-16	66.8	50	151000

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

Client ID: MW-4 4.5-5
Site: Dexter Chemical

Lab Sample No: 48933
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0579.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 16

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	0.9JB	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	0.7J	1.2
cis-1,2-Dichloroethene	3.8	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	0.9J	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	0.6J	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	0.8J	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	1.1J	1.2
Chlorobenzene	0.9J	1.2
Ethylbenzene	1.7	1.2
Xylene (Total)	3.5	1.2

Client ID: MW-4 4.5-5
Site: Dexter Chemical

Lab Sample No: 48933
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0579.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 16.3

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Hydrocarbon	17.45	79	
2. C10H20 Cycloalkane	17.60	78	
3. C10H22 Alkane	17.84	93	
4. Unknown Hydrocarbon	18.10	82	
5. C10H20 Cycloalkane	18.40	220	
6. Unknown Alkene	19.06	100	
7. Decahydronaphthalene isomer	19.16	96	
8. Unknown Hydrocarbon	19.31	100	
9. C10H12 Aromatic	19.64	74	
10. C10H14 Aromatic	19.89	78	
11.			
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TOTAL ESTIMATED CONCENTRATION

1000

Client ID: MW-4 4.5-5
Site: Dexter Chemical

Lab Sample No: 48933
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4091.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Analytical Results

Quantitation

Units: ug/kg
(Dry Weight)

Limit
Units: ug/kg

Parameter

N-Nitrosodimethylamine	ND	1600
bis(2-Chloroethyl)ether	570	82
1,3-Dichlorobenzene	ND	1600
1,4-Dichlorobenzene	ND	1600
1,2-Dichlorobenzene	ND	1600
bis(2-chloroisopropyl)ether	ND	1600
N-Nitroso-di-n-propylamine	ND	82
Hexachloroethane	ND	82
Nitrobenzene	ND	82
Isophorone	ND	1600
bis(2-Chloroethoxy)methane	ND	1600
1,2,4-Trichlorobenzene	ND	1600
Naphthalene	690	82
Hexachlorobutadiene	ND	160
Hexachlorocyclopentadiene	ND	1600
2-Chloronaphthalene	ND	1600
Dimethylphthalate	ND	1600
Acenaphthylene	150	82
2,6-Dinitrotoluene	ND	160
Acenaphthene	120	82
2,4-Dinitrotoluene	ND	160
Diethylphthalate	ND	1600
4-Chlorophenyl-phenylether	ND	1600
Fluorene	110	82
N-Nitrosodiphenylamine	ND	1600
4-Bromophenyl-phenylether	ND	1600
Hexachlorobenzene	ND	82
Phenanthrene	420 J	1600
Anthracene	130 J	1600
Di-n-butylphthalate	ND	1600
Fluoranthene	650 J	1600
Pyrene	700 J	1600
Benzidine	ND	3300
Butylbenzylphthalate	ND	1600

Client ID: MW-5 4.5-5
Site: Dexter Chemical

Lab Sample No: 48930
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/23/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3591.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	410
bis(2-Chloroethyl)ether	ND	20
1,3-Dichlorobenzene	ND	410
1,4-Dichlorobenzene	ND	410
1,2-Dichlorobenzene	ND	410
bis(2-chloroisopropyl)ether	ND	410
N-Nitroso-di-n-propylamine	ND	20
Hexachloroethane	ND	20
Nitrobenzene	ND	20
Isophorone	ND	410
bis(2-Chloroethoxy)methane	ND	410
1,2,4-Trichlorobenzene	ND	410
Naphthalene	20 J	410
Hexachlorobutadiene	ND	41
Hexachlorocyclopentadiene	ND	410
2-Chloronaphthalene	ND	410
Dimethylphthalate	ND	410
Acenaphthylene	ND	410
2,6-Dinitrotoluene	ND	41
Acenaphthene	66 J	410
2,4-Dinitrotoluene	ND	41
Diethylphthalate	ND	410
4-Chlorophenyl-phenylether	ND	410
Fluorene	80 J	410
N-Nitrosodiphenylamine	ND	410
4-Bromophenyl-phenylether	ND	410
Hexachlorobenzene	ND	20
Phenanthrene	270 J	410
Anthracene	37 J	410
Di-n-butylphthalate	ND	410
Fluoranthene	62 J	410
Pyrene	68 J	410
Benzidine	ND	810
Butylbenzylphthalate	ND	410

Client ID: MW-5 4.5-5
Site: Dexter Chemical

Lab Sample No: 48930
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/23/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3591.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		810
Benzo(a)anthracene	33		20
Chrysene	33 J		410
bis(2-Ethylhexyl)phthalate	100 J		410
Di-n-octylphthalate	ND		410
Benzo(b)fluoranthene	41		20
Benzo(k)fluoranthene	17 J		20
Benzo(a)pyrene	32		20
Indeno(1,2,3-cd)pyrene	16 J		20
Dibenz(a,h)anthracene	ND		20
Benzo(g,h,i)perylene	20 J		410

Client ID: MW-5 4.5-5
Site: Dexter Chemical

Lab Sample No: 48930
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/23/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3591.d

Matrix: SOIL
Level: LOW
Sample Weight: 15.0 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 18.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Alkane	15.33	1100	
2. Unknown Cycloalkane	15.71	1000	
3. C14H30 Alkane	15.93	700	
4. Unknown Alkane	16.38	660	
5. Unknown	16.74	490	
6. C15H32 Alkane	16.93	970	
7. Unknown	17.17	540	
8. Unknown	17.69	870	
9. Trimethylnaphthalene isomer	18.57	470	
10. Unknown Cycloalkane	18.59	470	
11. Unknown Alkane	19.24	770	
12. Unknown Alkane	19.68	680	
13. Unknown	24.77	470	
14. Unknown	26.13	640	
15. Unknown	27.99	660	
16.			
17.			
18.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

10490

Client ID: MW-5 4.5-5
Site: Dexter Chemical

Lab Sample No: 48930
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 18.9

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	4.3	0.94		P
Beryllium	0.53	0.049		P
Cadmium	ND	0.099		P
Chromium	22.7	0.25		P
Copper	26.1	0.86		P
Lead	52.0	0.62		P
Nickel	21.2	0.52		P
Selenium	ND	1.2		P
Silver	ND	0.35		P
Thallium	ND	1.2		P
Zinc	78.8	1.1		P

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

Client ID: MW-4_4.5-5
Site: Dexter Chemical

Lab Sample No: 48933
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4091.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Analytical Results
Units: ug/kg
(Dry Weight)

Quantitation
Limit
Units: ug/kg

Parameter

3,3'-Dichlorobenzidine
Benzo(a)anthracene
Chrysene
bis(2-Ethylhexyl)phthalate
Di-n-octylphthalate
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene
Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

ND
290
440
ND
ND
520
ND
330
150
ND
140 J

3300
82
160
1600
1600
82
82
82
82
82
160

Client ID: MW-4 4.5-5
Site: Dexter Chemical

Lab Sample No: 48933
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4091.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 16.3

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C11H24 Alkane	12.85	3000	
2. Cyclohexanone, 5-methyl-2-(1-methyleth	13.28	2400	
3. Unknown	13.73	4300	
4. Unknown	13.92	3200	
5. C13H28 Alkane	15.10	4300	
6. Unknown	15.58	1900	
7. Unknown	15.63	1700	
8. Unknown Alkane	15.71	5600	
9. Unknown Alkane	16.15	1900	
10. C15H32 Alkane	16.70	3300	
11. Unknown Alkane	17.45	2300	
12. Unknown	21.60	2400	
13. Unknown	22.08	4400	
14. C18H18 PAH	23.23	28000	
15. Unknown	23.49	3800	
16.			
17.			
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21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

72500

Client ID: MW-4 4.5-5
Site: Dexter Chemical

Lab Sample No: 48933
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 16.3

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	- 1.7	1.1	BN	P
Arsenic	7.0	0.91		P
Beryllium	0.31	0.048	B	P
Cadmium	ND	0.096		P
Chromium	18.2	0.24		P
Copper	65.8	0.84		P
Lead	428	0.60		P
Nickel	17.7	0.50		P
Selenium	ND	1.1		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	389	1.1		P

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

Client ID: B-4 3.5-4
Site: Dexter Chemical

Lab Sample No: 48934
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0580.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 45

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1.8
Bromomethane	ND		1.8
Vinyl Chloride	ND		1.8
Chloroethane	ND		1.8
Methylene Chloride	1.2JB		1.8
Trichlorofluoromethane	ND		1.8
1,1-Dichloroethene	ND		1.8
1,1-Dichloroethane	ND		1.8
trans-1,2-Dichloroethene	ND		1.8
cis-1,2-Dichloroethene	ND		1.8
Chloroform	ND		1.8
1,2-Dichloroethane	ND		1.8
1,1,1-Trichloroethane	ND		1.8
Carbon Tetrachloride	ND		1.8
Bromodichloromethane	ND		1.8
1,2-Dichloropropane	ND		1.8
cis-1,3-Dichloropropene	ND		1.8
Trichloroethene	ND		1.8
Dibromochloromethane	ND		1.8
1,1,2-Trichloroethane	ND		1.8
Benzene	ND		1.8
trans-1,3-Dichloropropene	ND		1.8
2-Chloroethyl Vinyl Ether	ND		1.8
Bromoform	ND		1.8
Tetrachloroethene	ND		1.8
1,1,2,2-Tetrachloroethane	ND		1.8
Toluene	1.0J		1.8
Chlorobenzene	ND		1.8
Ethylbenzene	ND		1.8
Xylene (Total)	ND		1.8

Client ID: B-4 3.5-4
Site: Dexter Chemical

Lab Sample No: 48934
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0580.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 45.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: B-4 3.5-4
Site: Dexter Chemical

Lab Sample No: 48934
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4092.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 45

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		600
bis(2-Chloroethyl)ether	ND		30
1,3-Dichlorobenzene	ND		600
1,4-Dichlorobenzene	ND		600
1,2-Dichlorobenzene	ND		600
bis(2-chloroisopropyl)ether	ND		600
N-Nitroso-di-n-propylamine	ND		30
Hexachloroethane	ND		30
Nitrobenzene	ND		30
Isophorone	ND		600
bis(2-Chloroethoxy)methane	ND		600
1,2,4-Trichlorobenzene	ND		600
Naphthalene	ND		30
Hexachlorobutadiene	ND		60
Hexachlorocyclopentadiene	ND		600
2-Chloronaphthalene	ND		600
Dimethylphthalate	ND		600
Acenaphthylene	ND		30
2,6-Dinitrotoluene	ND		60
Acenaphthene	ND		30
2,4-Dinitrotoluene	ND		60
Diethylphthalate	ND		600
4-Chlorophenyl-phenylether	ND		600
Fluorene	ND		30
N-Nitrosodiphenylamine	ND		600
4-Bromophenyl-phenylether	ND		600
Hexachlorobenzene	ND		30
Phenanthrene	83	J	600
Anthracene	ND		600
Di-n-butylphthalate	ND		600
Fluoranthene	110	J	600
Pyrene	130	J	600
Benzidine	ND		1200
Butylbenzylphthalate	ND		600

Client ID: B-4_3.5-4
Site: Dexter Chemical

Lab Sample No: 48934
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4092.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 45

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u>		<u>Limit</u>
	<u>(Dry Weight)</u>		<u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		1200
Benzo(a)anthracene	60		30
Chrysene	66		60
bis(2-Ethylhexyl)phthalate	ND		600
Di-n-octylphthalate	ND		600
Benzo(b)fluoranthene	75		30
Benzo(k)fluoranthene	31		30
Benzo(a)pyrene	40		30
Indeno(1,2,3-cd)pyrene	ND		30
Dibenz(a,h)anthracene	ND		30
Benzo(g,h,i)perylene	ND		60

Client ID: B-4 3.5-4
Site: Dexter Chemical

Lab Sample No: 48934
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/17/98
Date Analyzed: 03/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s4092.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 45.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	34.90	640	
2. Unknown	35.20	2300	
3.			
4.			
5.			
6.			
7.			
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30.			

TOTAL ESTIMATED CONCENTRATION

2940

Client ID: B-4 3.5-4
Site: Dexter Chemical

Lab Sample No: 48934
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 45.0

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	7.1	1.7	N	P
Arsenic	5.8	1.4		P
Beryllium	1.1	0.073		P
Cadmium	ND	0.15		P
Chromium	51.8	0.36		P
Copper	105	1.3		P
Lead	104	0.91		P
Nickel	34.7	0.76		P
Selenium	ND	1.7		P
Silver	ND	0.51		P
Thallium	ND	1.7		P
Zinc	137	1.6		P

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

Client ID: Field_Blank
Site: Dexter Chemical

Lab Sample No: 48935
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/18/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9112.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u>
		<u>Limit</u> <u>Units: ug/l</u>
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: Field_Blank
Site: Dexter Chemical

Lab Sample No: 48935
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Analyzed: 03/18/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9112.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.			
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23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: Field_Blank
Site: Dexter Chemical

Lab Sample No: 48935
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/14/98
Date Analyzed: 03/17/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t6689.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

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
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: Field_Blank
Site: Dexter Chemical

Lab Sample No: 48935
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/14/98
Date Analyzed: 03/17/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t6689.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

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u>
		<u>Limit</u> <u>Units: ug/l</u>
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: Field_Blank
Site: Dexter Chemical

Lab Sample No: 48935
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/14/98
Date Analyzed: 03/17/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t6689.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.			
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23.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: Field Blank
Site: Dexter Chemical

Lab Sample No: 48935
Lab Job No: B989

Date Sampled: 03/10/98
Date Received: 03/12/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	Analytical Result <u>Units: ug/l</u>	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	4.6	N	P
Arsenic	ND	3.8		P
Beryllium	ND	0.20		P
Cadmium	ND	0.40		P
Chromium	ND	1.0		P
Copper	ND	3.5		P
Lead	ND	2.5		P
Nickel	ND	2.1		P
Selenium	ND	4.8		P
Silver	ND	1.4		P
Thallium	ND	4.8		P
Zinc	ND	4.5		P

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

Site: Dexter Chemical

Lab Job No: B989

Date Sampled: 3/10/98

Date Received: 3/12/98

Matrix: WATER

Date Analyzed: 3/13/98

QA Batch: 1332

TOTAL ORGANIC CARBON

Envirotech <u>Sample #</u>	<u>Client ID</u>	Dilution <u>Factor</u>	Analytical Result <u>Units: mg/l</u>
48935	Field_Blank	1.0	ND

Quantitation Limit for Total Organic Carbon is 1.0 mg/l for an undiluted sample.

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:

<u>Element</u>	<u>Water Test Method</u>		<u>Solid Test Method</u>	
	<u>Flame</u>	<u>Furnace</u>	<u>Flame</u>	<u>Furnace</u>
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.

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

SITE ADDRESS: Bronx, NY
 SAMPLE DATE: 3/10/98
 SAMPLER(S): Lee Westcott / Gary Weissberger / Andy Clark

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESERVATIVE	NO OF CONT.	SPECIAL INSTRUCTIONS
0850	AREA 'A'	A-1	4'-6'	Soil	VO, TOC	ICE	1	
0902			6'-9'		TOC		1	
0945			20-21'		PPM, VO, BN, TOC		1	
1050	AREA 'B'	B-1	4'-6'		PPM, VO, TOC		1	
1202			16'-18'		PPM, BN, VO, TOC		1	
1235		B-2	1-2'		PPM, BN, VO		1	
1240			3-4'		PPM, BN, VO		1	
1352	MONITORING WELL	MW-5	4.5-5'		PPM, BN, VO		1	
1410	AREA 'B'	B-3	1-2'		PPM, BN, VO, TOC		1	
1450			15-16'		PPM, BN, VO, TOC		1	
1512	MONITORING WELL	MW-4	4.5-5'		PPM, BN, VO		1	
1612	AREA 'B'	B-4	35-4'		PPM, BN, VO		1	
0830	FIELD BLANK	FB-3/10	N/A	H ₂ O	PPM, BN, VO, TOC	ICE/HCl/HNO ₃ μS ₆₄	5	
RELINQUISHED BY:					DATE:	TIME:	RECEIVED BY:	DATE: TIME
RELINQUISHED BY:					DATE:	TIME:	RECEIVED BY:	DATE: TIME

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



Client ID: E-1 10-10.5
Site: Dexter Chemical

Lab Sample No: 48937
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5116.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.4

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C10H20 Cycloalkane	17.07	3200	
2. Unknown Alkane	17.52	5100	
3. C10H14 Aromatic	18.43	3200	
4. Decahydromethylnaphthalene isomer	18.71	3200	
5. 1H-Indene, 2,3-dihydro-1-methyl-	19.09	6400	
6. Tetrahydromethylnaphthalene isomer	20.01	4500	
7. Tetrahydromethylnaphthalene isomer	20.65	3800	
8. Tetrahydrodimethylnaphthalene isomer	21.34	2400	
9. Naphthalene, 2-methyl-	21.52	3700	
10. Naphthalene, 1-methyl-	21.86	3200	
11.			
12.			
13.			
14.			
15.			
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30.			

TOTAL ESTIMATED CONCENTRATION

38700

Client ID: E-1 10-10.5
Site: Dexter Chemical

Lab Sample No: 48937
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0952.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	2000
bis(2-Chloroethyl)ether	ND	98
1,3-Dichlorobenzene	ND	2000
1,4-Dichlorobenzene	160 J	2000
1,2-Dichlorobenzene	ND	2000
bis(2-chloroisopropyl)ether	ND	2000
N-Nitroso-di-n-propylamine	ND	98
Hexachloroethane	ND	98
Nitrobenzene	ND	98
Isophorone	ND	2000
bis(2-Chloroethoxy)methane	ND	2000
1,2,4-Trichlorobenzene	ND	98
Naphthalene	420 J	2000
Hexachlorobutadiene	ND	200
Hexachlorocyclopentadiene	ND	2000
2-Chloronaphthalene	ND	2000
Dimethylphthalate	ND	2000
Acenaphthylene	ND	2000
2,6-Dinitrotoluene	ND	200
Acenaphthene	610 J	2000
2,4-Dinitrotoluene	ND	200
Diethylphthalate	ND	2000
4-Chlorophenyl-phenylether	ND	2000
Fluorene	730 J	2000
N-Nitrosodiphenylamine	ND	2000
4-Bromophenyl-phenylether	ND	2000
Hexachlorobenzene	ND	98
Phenanthrene	1600 J	2000
Anthracene	95 J	2000
Di-n-butylphthalate	ND	2000
Fluoranthene	150 J	2000
Pyrene	190 J	2000
Benzidine	ND	3900
Butylbenzylphthalate	ND	2000

Client ID: E-1 10-10.5
Site: Dexter Chemical

Lab Sample No: 48937
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0952.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	3900
Benzo(a)anthracene	100	98
Chrysene	47 J	2000
bis(2-Ethylhexyl)phthalate	ND	2000
Di-n-octylphthalate	ND	2000
Benzo(b)fluoranthene	ND	98
Benzo(k)fluoranthene	ND	98
Benzo(a)pyrene	ND	98
Indeno(1,2,3-cd)pyrene	ND	98
Dibenz(a,h)anthracene	ND	98
Benzo(g,h,i)perylene	ND	2000

Client ID: E-1_10-10.5
Site: Dexter Chemical

Lab Sample No: 48937
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0952.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 15.4

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Alkane	15.68	7400	
2. C15H32 Alkane	16.68	7700	
3. Unknown Alkane	16.90	7300	
4. Dimethylnaphthalene isomer	17.33	7800	
5. Dimethylnaphthalene isomer	17.38	5500	
6. C16H34 Alkane	17.44	15000	
7. Methylethylnaphthalene isomer	18.07	5400	
8. Trimethylnaphthalene isomer	18.30	6100	
9. Unknown Alkane	18.97	13000	
10. Unknown Alkane	19.41	25000	
11. Nonylphenol isomer	19.50	5100	
12. Nonylphenol isomer	19.56	6800	
13. Nonylphenol isomer	19.62	4500	
14. Nonylphenol isomer	19.80	4200	
15. Unknown Alkane	20.18	12000	
16.			
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TOTAL ESTIMATED CONCENTRATION

132800

Client ID: E-1 10-10.5
Site: Dexter Chemical

Lab Sample No: 48937
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 15.4

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.0	N	P
Arsenic	ND	0.66		P
Beryllium	0.74	0.047		P
Cadmium	ND	0.095		P
Chromium	39.5	0.26		P
Copper	67.0	0.69		P
Lead	5.8	0.47		P
Mercury	ND	0.020		CV
Nickel	16.0	0.50		P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	83.5	0.92		P

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

Client ID: E-1 2.5-3
Site: Dexter Chemical

Lab Sample No: 48938
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0614.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	2.7B	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	ND	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	ND	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	2.2	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	0.9J	1.1
Chlorobenzene	ND	1.1
Ethylbenzene	0.7J	1.1
Xylene (Total)	2.7	1.1

Client ID: E-1 2.5-3
Site: Dexter Chemical

Lab Sample No: 48938
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0614.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 11.2

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Siloxane/C10H16 Hydrocarbon	16.98	23	
2. Unknown Alkane	17.92	9.6	
3. Unknown	18.07	9.1	
4. Unknown	18.26	10	
5. Unknown	18.54	8.1	
6. C10H22 Alkane	18.98	6.7	
7. Unknown Siloxane	19.16	26	
8. Unknown Hydrocarbon	20.09	8.0	
9. Unknown Siloxane	21.53	10	
10. Naphthalene	21.75	6.8	
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TOTAL ESTIMATED CONCENTRATION

117

Client ID: E-1 2.5-3
Site: Dexter Chemical

Lab Sample No: 48938
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0953.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	3700
bis(2-Chloroethyl) ether	ND	180
1,3-Dichlorobenzene	ND	3700
1,4-Dichlorobenzene	270 J	3700
1,2-Dichlorobenzene	470 J	3700
bis(2-chloroisopropyl) ether	ND	3700
N-Nitroso-di-n-propylamine	ND	180
Hexachloroethane	ND	180
Nitrobenzene	ND	180
Isophorone	ND	3700
bis(2-Chloroethoxy) methane	ND	3700
1,2,4-Trichlorobenzene	1300	180
Naphthalene	1100 J	3700
Hexachlorobutadiene	ND	370
Hexachlorocyclopentadiene	ND	3700
2-Chloronaphthalene	ND	3700
Dimethylphthalate	ND	3700
Acenaphthylene	300 J	3700
2,6-Dinitrotoluene	ND	370
Acenaphthene	2500 J	3700
2,4-Dinitrotoluene	ND	370
Diethylphthalate	ND	3700
4-Chlorophenyl-phenylether	ND	3700
Fluorene	2000 J	3700
N-Nitrosodiphenylamine	ND	3700
4-Bromophenyl-phenylether	ND	3700
Hexachlorobenzene	ND	180
Phenanthrene	13000	3700
Anthracene	3400 J	3700
Di-n-butylphthalate	ND	3700
Fluoranthene	14000	3700
Pyrene	12000	3700
Benzidine	ND	7400
Butylbenzylphthalate	ND	3700

Client ID: E-1_2.5-3
Site: Dexter Chemical

Lab Sample No: 48938
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0953.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		7400
Benzo(a)anthracene	6800		180
Chrysene	7700		3700
bis(2-Ethylhexyl)phthalate	ND		3700
Di-n-octylphthalate	ND		3700
Benzo(b)fluoranthene	7600		180
Benzo(k)fluoranthene	3000		180
Benzo(a)pyrene	5700		180
Indeno(1,2,3-cd)pyrene	3000		180
Dibenz(a,h)anthracene	830		180
Benzo(g,h,i)perylene	3100 J		3700

Client ID: E-1 2.5-3
Site: Dexter Chemical

Lab Sample No: 48938
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0953.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 10.0
% Moisture: 11.2

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	12.98	7200	
2. Unknown	13.01	7400	
3. Unknown	13.62	9300	
4. Unknown	13.96	5400	
5. Unknown	14.10	7700	
6. Unknown	14.13	6300	
7. Unknown	14.23	7400	
8. Unknown	15.60	8500	
9. Unknown	15.74	6400	
10. Unknown	17.26	8600	
11. Unknown	17.36	6300	
12. Unknown	17.65	5400	
13. Unknown	18.30	5200	
14. Unknown	18.76	5200	
15. C20H12 PAH	27.72	5800	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

102100

Client ID: E-1 2.5-3
Site: Dexter Chemical

Lab Sample No: 48938
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	2.6	0.99	N	P
Arsenic	3.2	0.63		P
Beryllium	0.62	0.045		P
Cadmium	1.8	0.090		P
Chromium	14.6	0.25		P
Copper	70.7	0.65		P
Lead	215	0.45		P
Mercury	0.14	0.019		CV
Nickel	13.2	0.47		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.0		P
Zinc	361	0.88		P

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

Client ID: E-2 1.5-2
Site: Dexter Chemical

Lab Sample No: 48939
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0615.d

Matrix: SOIL
Level: LOW
Sample Weight: 0.9 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		6.1
Bromomethane	ND		6.1
Vinyl Chloride	ND		6.1
Chloroethane	ND		6.1
Methylene Chloride	14	B	6.1
Trichlorofluoromethane	ND		6.1
1,1-Dichloroethene	ND		6.1
1,1-Dichloroethane	ND		6.1
trans-1,2-Dichloroethene	ND		6.1
cis-1,2-Dichloroethene	ND		6.1
Chloroform	ND		6.1
1,2-Dichloroethane	ND		6.1
1,1,1-Trichloroethane	ND		6.1
Carbon Tetrachloride	ND		6.1
Bromodichloromethane	ND		6.1
1,2-Dichloropropane	ND		6.1
cis-1,3-Dichloropropene	ND		6.1
Trichloroethene	ND		6.1
Dibromochloromethane	ND		6.1
1,1,2-Trichloroethane	ND		6.1
Benzene	ND		6.1
trans-1,3-Dichloropropene	ND		6.1
2-Chloroethyl Vinyl Ether	ND		6.1
Bromoform	ND		6.1
Tetrachloroethene	ND		6.1
1,1,2,2-Tetrachloroethane	ND		6.1
Toluene	ND		6.1
Chlorobenzene	ND		6.1
Ethylbenzene	64		6.1
Xylene (Total)	680		6.1

Client ID: E-2 1.5-2
Site: Dexter Chemical

Lab Sample No: 48939
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0615.d

Matrix: SOIL
Level: LOW
Sample Weight: 0.9 g
Purge Volume: 5.0 ml
% Moisture: 13.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Ethylmethylbenzene isomer	17.66	3100	
2. Ethylmethylbenzene isomer	18.03	2000	
3. Trimethylbenzene isomer	18.22	2800	
4. Ethyldimethylbenzene isomer	18.49	2500	
5. Propylmethylbenzene isomer	18.95	2300	
6. Propylmethylbenzene isomer	19.30	1600	
7. Ethyldimethylbenzene isomer	19.41	2000	
8. C10H12 Aromatic	19.79	1600	
9. Ethyldimethylbenzene isomer	20.10	3200	
10. 2,3-dihydro-methyl-1H-Indene isomer	20.56	2100	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
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22.			
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26.			
27.			
28.			
29.			
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TOTAL ESTIMATED CONCENTRATION

23200

Client ID: E-2 1.5-2
Site: Dexter Chemical

Lab Sample No: 48939
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0954.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	760
bis(2-Chloroethyl) ether	ND	38
1,3-Dichlorobenzene	ND	760
1,4-Dichlorobenzene	ND	760
1,2-Dichlorobenzene	ND	760
bis(2-chloroisopropyl) ether	ND	760
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	760
bis(2-Chloroethoxy) methane	ND	760
1,2,4-Trichlorobenzene	66	38
Naphthalene	1200	760
Hexachlorobutadiene	ND	76
Hexachlorocyclopentadiene	ND	760
1-Chloronaphthalene	ND	760
Dimethylphthalate	ND	760
Acenaphthylene	ND	760
1,6-Dinitrotoluene	ND	76
Acenaphthene	320 J	760
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	760
1-Chlorophenyl-phenylether	ND	760
Fluorene	270 J	760
N-Nitrosodiphenylamine	ND	760
1-Bromophenyl-phenylether	ND	760
Hexachlorobenzene	ND	38
Phenanthrene	1000	760
Anthracene	63 J	760
Di-n-butylphthalate	ND	760
Fluoranthene	470 J	760
Pyrene	430 J	760
Benzydine	ND	1500
Butylbenzylphthalate	ND	760

Client ID: E-2_1.5-2
Site: Dexter Chemical

Lab Sample No: 48939
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0954.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		1500
Benzo(a)anthracene	230		38
Chrysene	250 J		760
bis(2-Ethylhexyl)phthalate	ND		760
Di-n-octylphthalate	ND		760
Benzo(b)fluoranthene	220		38
Benzo(k)fluoranthene	98		38
Benzo(a)pyrene	150		38
Indeno(1,2,3-cd)pyrene	86		38
Dibenz(a,h)anthracene	ND		38
Benzo(g,h,i)perylene	88 J		760

Client ID: E-2 1.5-2
Site: Dexter Chemical

Lab Sample No: 48939
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0954.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 13.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Naphthalene, 2-methyl-	16.16	2100	
2. Naphthalene, 1-methyl-	16.33	5000	
3. C15H32 Alkane	16.68	1800	
4. Dimethylnaphthalene isomer	17.33	4600	
5. Dimethylnaphthalene isomer	17.38	2300	
6. Unknown Alkane	17.43	2800	
7. Dimethylnaphthalene isomer	17.52	1600	
8. Trimethylnaphthalene isomer	18.07	1800	
9. Trimethylnaphthalene isomer	18.30	1900	
10. Unknown Alkane	18.97	2800	
11. Unknown Alkane	19.41	4300	
12. Unknown	19.55	2400	
13. Nonylphenol isomer	19.61	1600	
14. Unknown	19.80	1600	
15. Unknown Alkane	20.18	2000	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

38600

Client ID: E-2 1.5-2
Site: Dexter Chemical

Lab Sample No: 48939
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 13.5

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg <u>(Dry Weight)</u>	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	1.2	1.0	BN	P
Arsenic	ND	0.65		P
Beryllium	0.79	0.046		P
Cadmium	ND	0.092		P
Chromium	22.5	0.25		P
Copper	37.2	0.67		P
Lead	14.2	0.46		P
Mercury	0.05	0.019		CV
Nickel	26.0	0.49		P
Selenium	ND	0.97		P
Silver	ND	0.32		P
Thallium	ND	1.0		P
Zinc	76.6	0.90		P

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

Client ID: E-2 2.5-3
Site: Dexter Chemical

Lab Sample No: 48940
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0605.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results		Quantitation
	Units: ug/kg (Dry Weight)		Limit Units: ug/kg
Chloromethane	ND		1.1
Bromomethane	ND		1.1
Vinyl Chloride	ND		1.1
Chloroethane	ND		1.1
Methylene Chloride	ND		1.1
Trichlorofluoromethane	ND		1.1
1,1-Dichloroethene	ND		1.1
1,1-Dichloroethane	ND		1.1
trans-1,2-Dichloroethene	ND		1.1
cis-1,2-Dichloroethene	ND		1.1
Chloroform	ND		1.1
1,2-Dichloroethane	ND		1.1
1,1,1-Trichloroethane	ND		1.1
Carbon Tetrachloride	ND		1.1
Bromodichloromethane	ND		1.1
1,2-Dichloropropane	ND		1.1
cis-1,3-Dichloropropene	ND		1.1
Trichloroethene	ND		1.1
Dibromochloromethane	ND		1.1
1,1,2-Trichloroethane	ND		1.1
Benzene	ND		1.1
trans-1,3-Dichloropropene	ND		1.1
2-Chloroethyl Vinyl Ether	ND		1.1
Bromoform	ND		1.1
Tetrachloroethene	ND		1.1
1,1,2,2-Tetrachloroethane	ND		1.1
Toluene	ND		1.1
Chlorobenzene	ND		1.1
Ethylbenzene	ND		1.1
Xylene (Total)	4.5		1.1

Client ID: E-2 2.5-3
Site: Dexter Chemical

Lab Sample No: 48940
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0605.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 14.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Ethylmethylbenzene isomer	18.08	33	
2. Trimethylbenzene isomer	18.67	33	
3. Ethyldimethylbenzene isomer	19.98	22	
4. Tetramethylbenzene isomer	20.60	58	
5. 2,3-dihydro-methyl-1H-Indene isomer	21.06	33	
6. Ethyldimethylbenzene isomer	21.25	21	
7. 2,3-dihydro-methyl-1H-Indene isomer	21.34	28	
8. Tetrahydronaphthalene isomer	21.65	51	
9. Naphthalene/Decahydronaphthalene isome	22.46	36	
10. Tetrahydromethylnaphthalene isomer	23.26	35	
11.			
12.			
13.			
14.			
15.			
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23.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

350

Client ID: E-2 2.5-3
Site: Dexter Chemical

Lab Sample No: 48940
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0948.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		380
bis(2-Chloroethyl) ether	ND		19
1,3-Dichlorobenzene	ND		380
1,4-Dichlorobenzene	ND		380
1,2-Dichlorobenzene	ND		380
bis(2-chloroisopropyl) ether	ND		380
N-Nitroso-di-n-propylamine	ND		19
Hexachloroethane	ND		19
Nitrobenzene	ND		19
Isophorone	ND		380
bis(2-Chloroethoxy) methane	ND		380
1,2,4-Trichlorobenzene	ND		19
Naphthalene	30 J		380
Hexachlorobutadiene	ND		38
Hexachlorocyclopentadiene	ND		380
2-Chloronaphthalene	ND		380
Dimethylphthalate	ND		380
Acenaphthylene	ND		380
2,6-Dinitrotoluene	ND		38
Acenaphthene	ND		380
2,4-Dinitrotoluene	ND		38
Diethylphthalate	ND		380
4-Chlorophenyl-phenylether	ND		380
Fluorene	9.4J		380
N-Nitrosodiphenylamine	ND		380
4-Bromophenyl-phenylether	ND		380
Hexachlorobenzene	ND		19
Phenanthrene	25 J		380
Anthracene	ND		380
Di-n-butylphthalate	ND		380
Fluoranthene	13 J		380
Pyrene	9.6J		380
Benzidine	ND		770
Butylbenzylphthalate	ND		380

Client ID: E-2.2.5-3
Site: Dexter Chemical

Lab Sample No: 48940
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0948.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		770
Benzo(a)anthracene	ND		19
Chrysene	ND		380
bis(2-Ethylhexyl)phthalate	ND		380
Di-n-octylphthalate	ND		380
Benzo(b)fluoranthene	ND		19
Benzo(k)fluoranthene	ND		19
Benzo(a)pyrene	ND		19
Indeno(1,2,3-cd)pyrene	ND		19
Dibenz(a,h)anthracene	ND		19
Benzo(g,h,i)perylene	ND		380

Client ID: E-2 2.5-3
Site: Dexter Chemical

Lab Sample No: 48940
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0948.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Dimethylnaphthalene isomer/Unknown alk	17.32	440	
2. Unknown	17.66	440	
3. Nonylphenol isomer	19.41	370	
4. Nonylphenol isomer	19.50	350	
5. Nonylphenol isomer	19.55	640	
6. Nonylphenol isomer	19.61	420	
7. Nonylphenol isomer	19.80	360	
8. Nonylphenol isomer	19.86	330	
9. Unknown	21.29	340	
10.			
11.			
12.			
13.			
14.			
15.			
16.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

3690

Client ID: E-2 2.5-3
Site: Dexter Chemical

Lab Sample No: 48940
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 14.0

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.0	N	P
Arsenic	ND	0.65		P
Beryllium	0.77	0.047		P
Cadmium	ND	0.093		P
Chromium	32.9	0.26		P
Copper	67.2	0.67		P
Lead	8.0	0.47		P
Mercury	0.02	0.019	B	CV
Nickel	26.7	0.49		P
Selenium	1.2	0.98		P
Silver	ND	0.33		P
Thallium	ND	1.0		P
Zinc	74.0	0.91		P

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

Client ID: E-4 3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0604.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1.1
Bromomethane	ND		1.1
Vinyl Chloride	ND		1.1
Chloroethane	ND		1.1
Methylene Chloride	ND		1.1
Trichlorofluoromethane	ND		1.1
1,1-Dichloroethene	ND		1.1
1,1-Dichloroethane	ND		1.1
trans-1,2-Dichloroethene	ND		1.1
cis-1,2-Dichloroethene	ND		1.1
Chloroform	ND		1.1
1,2-Dichloroethane	ND		1.1
1,1,1-Trichloroethane	ND		1.1
Carbon Tetrachloride	ND		1.1
Bromodichloromethane	ND		1.1
1,2-Dichloropropane	ND		1.1
cis-1,3-Dichloropropene	ND		1.1
Trichloroethene	ND		1.1
Dibromochloromethane	ND		1.1
1,1,2-Trichloroethane	ND		1.1
Benzene	ND		1.1
trans-1,3-Dichloropropene	ND		1.1
2-Chloroethyl Vinyl Ether	ND		1.1
Bromoform	ND		1.1
Tetrachloroethene	ND		1.1
1,1,2,2-Tetrachloroethane	ND		1.1
Toluene	0.6J		1.1
Chlorobenzene	ND		1.1
Ethylbenzene	3.4		1.1
Xylene (Total)	24		1.1

**SOIL SAMPLES
COLLECTED MARCH 11, 1998**



ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

March 31, 1998

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

Attention: Dr. Ira Whitman

Re: Job No. B990 - Dexter Chemical

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on March 12, 1998:

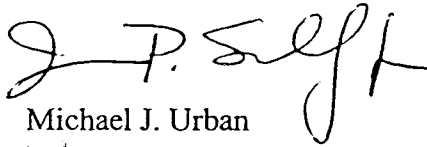
<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
48936	Field_Blank	Isopropyl alcohol
48937	E-1_10-10.5	PP VOA+10, PP BN+15, PP Metals
48938	E-1_2.5-3	PP VOA+10, PP BN+15, PP Metals
48939	E-2_1.5-2	PP VOA+10, PP BN+15, PP Metals
48940	E-2_2.5-3	PP VOA+10, PP BN+15, PP Metals
48941	E-4_3-3.5	PP VOA+10, PP BN+15, Isopropyl alcohol, PP Metals, TOC
48942	MW-2_7-7.5	PP VOA+10, PP BN+15, PP Metals
48943	E-5_3.5-4	PP VOA+10, PP BN+15, PP Metals
48944	E-5_6.5-7	PP VOA+10, PP BN+15, PP Metals
48945	E-6_3.5-4	PP VOA+10, PP BN+15, PP Metals
48946	I-1_3.5-4	PP VOA+10, PP BN+15, PP Metals

ENVIROTECH RESEARCH, INC.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
48947	I-1_7.5-8	PP VOA+10, PP BN+15, PP Metals
48948	MW-1_8-10	PP VOA+10, PP BN+15, PP Metals
48949	I-2_7.5-8	PP VOA+10, PP BN+15, PP Metals
48950	I-2_9.5-10	PP VOA+10, PP BN+15, PP Metals

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:

<u>Element</u>	<u>Water Test Method</u>		<u>Solid Test Method</u>	
	<u>Flame</u>	<u>Furnace</u>	<u>Flame</u>	<u>Furnace</u>
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: Field_Blank
Site: Dexter Chemical

Lab Sample No: 48936
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: BNAGC6.i
Lab File ID: gc6f1804.d

Matrix: WATER
Level: LOW
Injection Volume: 2.0 ul
Dilution Factor: 1.0

ORGANICS - DAI - GC/FID
ALCOHOLS

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Isopropanol	ND	500

Client ID: E-1 10-10.5
Site: Dexter Chemical

Lab Sample No: 48937
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5116.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u>	<u>(Dry Weight)</u>	<u>Limit</u>
			<u>Units: ug/kg</u>
Chloromethane	ND		150
Bromomethane	ND		150
Vinyl Chloride	ND		150
Chloroethane	ND		150
Methylene Chloride	ND		150
Trichlorofluoromethane	ND		150
1,1-Dichloroethene	ND		150
1,1-Dichloroethane	ND		150
trans-1,2-Dichloroethene	ND		150
cis-1,2-Dichloroethene	ND		150
Chloroform	ND		150
1,2-Dichloroethane	ND		150
1,1,1-Trichloroethane	ND		150
Carbon Tetrachloride	ND		150
Bromodichloromethane	ND		150
1,2-Dichloropropane	ND		150
cis-1,3-Dichloropropene	ND		150
Trichloroethene	ND		150
Dibromochloromethane	ND		150
1,1,2-Trichloroethane	ND		150
Benzene	ND		150
trans-1,3-Dichloropropene	ND		150
2-Chloroethyl Vinyl Ether	ND		150
Bromoform	ND		150
Tetrachloroethene	ND		150
1,1,2,2-Tetrachloroethane	ND		150
Toluene	ND		150
Chlorobenzene	120	J	150
Ethylbenzene	ND		150
Xylene (Total)	150		150

Client ID: E-4 3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0604.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C10H22 Alkane	17.43	12	
2. Trimethylbenzene isomer	18.63	13	
3. Coeluting Hydrocarbon -	18.91	30	
4. Dichlorobenzene/Coelute Trimethylbenze	19.20	16	
5. Ethyldimethylbenzene isomer	19.39	23	
6. Ethyldimethylbenzene isomer	19.82	24	
7. Ethyldimethylbenzene isomer	19.94	15	
8. Coeluting Alkanes	20.14	14	
9. Coelute Hydrocarbon	20.47	59	
10. TrichlorobenzeneBenzene Isomer	21.93	15	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

221

Client ID: E-4 3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0980.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	740
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	73 J	740
1,4-Dichlorobenzene	300 J	740
1,2-Dichlorobenzene	ND	740
bis(2-chloroisopropyl)ether	ND	740
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	740
bis(2-Chloroethoxy)methane	ND	740
1,2,4-Trichlorobenzene	120	37
Naphthalene	160 J	740
Hexachlorobutadiene	ND	74
Hexachlorocyclopentadiene	ND	740
2-Chloronaphthalene	ND	740
Dimethylphthalate	ND	740
Acenaphthylene	84 J	740
2,6-Dinitrotoluene	ND	74
Acenaphthene	170 J	740
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	740
4-Chlorophenyl-phenylether	ND	740
Fluorene	240 J	740
N-Nitrosodiphenylamine	ND	740
4-Bromophenyl-phenylether	ND	740
Hexachlorobenzene	ND	37
Phenanthrene	2000	740
Anthracene	600 J	740
Di-n-butylphthalate	ND	740
Fluoranthene	3100	740
Pyrene	2500	740
Benzidine	ND	1500
Butylbenzylphthalate	ND	740

Client ID: E-4_3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0980.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		1500
Benzo(a)anthracene	1800		37
Chrysene	1900		740
bis(2-Ethylhexyl)phthalate	250 JB		740
Di-n-octylphthalate	ND		740
Benzo(b)fluoranthene	1900		37
Benzo(k)fluoranthene	880		37
Benzo(a)pyrene	1600		37
Indeno(1,2,3-cd)pyrene	770		37
Dibenz(a,h)anthracene	210		37
Benzo(g,h,i)perylene	750		740

Client ID: E-4 3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0980.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 11.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Nonylphenol isomer	19.12	2800	
2. Unknown	19.14	2000	
3. Nonylphenol isomer	19.40	9300	
4. Nonylphenol isomer	19.49	17000	
5. Nonylphenol isomer	19.56	28000	
6. Nonylphenol isomer	19.61	20000	
7. Nonylphenol isomer	19.65	11000	
8. Nonylphenol isomer	19.70	6100	
9. Unknown	19.71	5600	
10. Unknown	19.74	5600	
11. Nonylphenol isomer	19.80	18000	
12. Nonylphenol isomer	19.86	16000	
13. Unknown	19.88	8100	
14. Nonylphenol isomer	19.92	9500	
15. Unknown	20.15	2800	
16.			
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TOTAL ESTIMATED CONCENTRATION

161800

Client ID: E-4 3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: BNAGC6.i
Lab File ID: gc6f1836.d

Matrix: SOIL
Level: LOW
Sample Weight: 10.0 g
Extract Final Volume: 10.0 ml
% Moisture: 11.5

ORGANICS - DAI - GC/FID
ALCOHOLS

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
Isopropanol	ND	565

Client ID: E-4 3-3.5
Site: Dexter Chemical

Lab Sample No: 48941
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 11.5

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	1.2	0.99	BN	P
Arsenic	1.9	0.63		P
Beryllium	0.31	0.045	B	P
Cadmium	ND	0.090		P
Chromium	9.3	0.25		P
Copper	19.4	0.66		P
Lead	49.8	0.45		P
Mercury	0.05	0.019		CV
Nickel	9.0	0.47		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.0		P
Zinc	81.9	0.88		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)

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

Site: Dexter Chemical

Lab Job No: B990

Date Sampled: 3/11/98

Date Received: 3/12/98

Matrix: SOIL

Date Analyzed: 3/20/98

QA Batch: 1333

TOTAL ORGANIC CARBON

Envirotech <u>Sample #</u>	<u>Client ID</u>	<u>% Moisture</u>	<u>Dilution Factor</u>	<u>Analytical Result mg/kg (Dry Wt.)</u>
48941	E-4_3-3.5	11.5	10	20600

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

Client ID: MW-2 7-7.5
Site: Dexter Chemical

Lab Sample No: 48942
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0621.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.3
Bromomethane	ND	1.3
Vinyl Chloride	ND	1.3
Chloroethane	ND	1.3
Methylene Chloride	3.6B	1.3
Trichlorofluoromethane	ND	1.3
1,1-Dichloroethene	ND	1.3
1,1-Dichloroethane	ND	1.3
trans-1,2-Dichloroethene	ND	1.3
cis-1,2-Dichloroethene	ND	1.3
Chloroform	ND	1.3
1,2-Dichloroethane	ND	1.3
1,1,1-Trichloroethane	ND	1.3
Carbon Tetrachloride	ND	1.3
Bromodichloromethane	ND	1.3
1,2-Dichloropropane	ND	1.3
cis-1,3-Dichloropropene	ND	1.3
Trichloroethene	ND	1.3
Dibromochloromethane	ND	1.3
1,1,2-Trichloroethane	ND	1.3
Benzene	ND	1.3
trans-1,3-Dichloropropene	ND	1.3
2-Chloroethyl Vinyl Ether	ND	1.3
Bromoform	ND	1.3
Tetrachloroethene	ND	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
Toluene	ND	1.3
Chlorobenzene	ND	1.3
Ethylbenzene	ND	1.3
Xylene (Total)	ND	1.3

Client ID: MW-2 7-7.5
Site: Dexter Chemical

Lab Sample No: 48942
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0621.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 22.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: MW-2 7-7.5
Site: Dexter Chemical

Lab Sample No: 48942
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0949.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	420
bis(2-Chloroethyl)ether	ND	21
1,3-Dichlorobenzene	ND	420
1,4-Dichlorobenzene	ND	420
1,2-Dichlorobenzene	ND	420
bis(2-chloroisopropyl)ether	ND	420
N-Nitroso-di-n-propylamine	ND	21
Hexachloroethane	ND	21
Nitrobenzene	ND	21
Sophorone	ND	420
bis(2-Chloroethoxy)methane	ND	420
1,2,4-Trichlorobenzene	ND	21
Naphthalene	ND	420
Hexachlorobutadiene	ND	42
Hexachlorocyclopentadiene	ND	420
2-Chloronaphthalene	ND	420
Dimethylphthalate	ND	420
acenaphthylene	20 J	420
2,6-Dinitrotoluene	ND	42
acenaphthene	11 J	420
1,4-Dinitrotoluene	ND	42
Diethylphthalate	ND	420
4-Chlorophenyl-phenylether	ND	420
fluorene	12 J	420
N-Nitrosodiphenylamine	ND	420
4-Bromophenyl-phenylether	ND	420
Hexachlorobenzene	ND	21
phenanthrene	150 J	420
Anthracene	50 J	420
Di-n-butylphthalate	ND	420
fluoranthene	320 J	420
pyrene	290 J	420
Benzidine	ND	850
Butylbenzylphthalate	ND	420

Client ID: MW-2_7-7.5
Site: Dexter Chemical

Lab Sample No: 48942
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0949.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		850
Benzo(a)anthracene	170		21
Chrysene	230 J		420
bis(2-Ethylhexyl)phthalate	890 B		420
Di-n-octylphthalate	ND		420
Benzo(b)fluoranthene	300		21
Benzo(k)fluoranthene	98		21
Benzo(a)pyrene	150		21
Indeno(1,2,3-cd)pyrene	120		21
Dibenz(a,h)anthracene	33		21
Benzo(g,h,i)perylene	160 J		420

Client ID: MW-2 7-7.5
Site: Dexter Chemical

Lab Sample No: 48942
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0949.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Organic Acid	17.77	720	
2. Nonylphenol isomer	19.50	400	
3. Nonylphenol isomer	19.55	620	
4. Nonylphenol isomer	19.61	460	
5. Nonylphenol isomer	19.79	690	
6. Nonylphenol isomer	19.85	400	
7. Nonylphenol isomer	19.92	360	
8. Unknown Amine	20.88	580	
9. Palmitic acid	21.22	480	
10. Unknown Amine	22.20	1500	
11. Stearic acid	22.53	590	
12. Unknown	28.43	350	
13. Unknown	29.93	1100	
14. Unknown	31.14	1200	
15.			
16.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

9450

Client ID: MW-2 7-7.5
Site: Dexter Chemical

Lab Sample No: 48942
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 22.5

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: mg/kg (Dry Weight)</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	1.4	1.1	BN	P
Arsenic	4.8	0.72		P
Beryllium	0.48	0.052	B	P
Cadmium	0.30	0.10	B	P
Chromium	14.1	0.28		P
Copper	69.7	0.75		P
Lead	264	0.52		P
Mercury	0.53	0.022		CV
Nickel	13.9	0.54		P
Selenium	1.2	1.1	B	P
Silver	ND	0.36		P
Thallium	ND	1.2		P
Zinc	229	1.0		P

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

Client ID: E-5 3.5-4
Site: Dexter Chemical

Lab Sample No: 48943
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0603.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.9 g
Purge Volume: 5.0 ml
% Moisture: 17

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results		Quantitation
	Units: ug/kg (Dry Weight)		Limit Units: ug/kg
Chloromethane	ND		1.2
Bromomethane	ND		1.2
Vinyl Chloride	ND		1.2
Chloroethane	ND		1.2
Methylene Chloride	ND		1.2
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
1,1-Dichloroethane	ND		1.2
trans-1,2-Dichloroethene	ND		1.2
cis-1,2-Dichloroethene	ND		1.2
Chloroform	ND		1.2
1,2-Dichloroethane	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
Bromodichloromethane	ND		1.2
1,2-Dichloropropane	ND		1.2
cis-1,3-Dichloropropene	ND		1.2
Trichloroethene	ND		1.2
Dibromochloromethane	ND		1.2
1,1,2-Trichloroethane	ND		1.2
Benzene	ND		1.2
trans-1,3-Dichloropropene	ND		1.2
2-Chloroethyl Vinyl Ether	ND		1.2
Bromoform	ND		1.2
Tetrachloroethene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
Toluene	ND		1.2
Chlorobenzene	ND		1.2
Ethylbenzene	ND		1.2
Xylene (Total)	ND		1.2

Client ID: E-5 3.5-4
Site: Dexter Chemical

Lab Sample No: 48943
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0603.d

Matrix: SOIL
Level: LOW
Sample Weight: 4.9 g
Purge Volume: 5.0 ml
% Moisture: 16.6

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: E-5 3.5-4
Site: Dexter Chemical

Lab Sample No: 48943
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0950.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u>		<u>Limit</u>
	<u>(Dry Weight)</u>		<u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		400
bis(2-Chloroethyl)ether	ND		20
1,3-Dichlorobenzene	ND		400
1,4-Dichlorobenzene	ND		400
1,2-Dichlorobenzene	ND		400
bis(2-chloroisopropyl)ether	ND		400
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		400
bis(2-Chloroethoxy)methane	ND		400
1,2,4-Trichlorobenzene	ND		20
Naphthalene	ND		400
Hexachlorobutadiene	ND		40
Hexachlorocyclopentadiene	ND		400
2-Chloronaphthalene	ND		400
Dimethylphthalate	ND		400
Acenaphthylene	ND		400
2,6-Dinitrotoluene	ND		40
Acenaphthene	ND		400
2,4-Dinitrotoluene	ND		40
Diethylphthalate	ND		400
4-Chlorophenyl-phenylether	ND		400
Fluorene	ND		400
N-Nitrosodiphenylamine	ND		400
4-Bromophenyl-phenylether	ND		400
Hexachlorobenzene	ND		20
Phenanthrene	12 J		400
Anthracene	ND		400
Di-n-butylphthalate	ND		400
Fluoranthene	27 J		400
Pyrene	31 J		400
Benzidine	ND		790
Butylbenzylphthalate	ND		400

Client ID: E-5_3.5-4
Site: Dexter Chemical

Lab Sample No: 48943
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0950.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		790
Benzo(a)anthracene	34		20
Chrysene	21 J		400
bis(2-Ethylhexyl)phthalate	ND		400
Di-n-octylphthalate	ND		400
Benzo(b)fluoranthene	22		20
Benzo(k)fluoranthene	12 J		20
Benzo(a)pyrene	18 J		20
Indeno(1,2,3-cd)pyrene	9.6J		20
Pibenz(a,h)anthracene	ND		20
Benzo(g,h,i)perylene	8.2J		400

Client ID: E-5 3.5-4
Site: Dexter Chemical

Lab Sample No: 48943
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0950.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16.6

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Organic Acid	17.77	550	
2. Unknown	25.67	560	
3.			
4.			
5.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

1110

Client ID: E-5 3.5-4
Site: Dexter Chemical

Lab Sample No: 48943
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	0.82	0.67	B	P
Beryllium	0.67	0.048		P
Cadmium	ND	0.096		P
Chromium	39.6	0.26		P
Copper	38.4	0.70		P
Lead	13.5	0.48		P
Mercury	0.02	0.020	B	CV
Nickel	24.8	0.50		P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	59.2	0.94		P

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

Client ID: E-5 6.5-7
Site: Dexter Chemical

Lab Sample No: 48944
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0622.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	2.9B	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	ND	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	1.2
Chlorobenzene	ND	1.2
Ethylbenzene	ND	1.2
Xylene (Total)	ND	1.2

Client ID: E-5 6.5-7
Site: Dexter Chemical

Lab Sample No: 48944
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0622.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 18.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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6.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: E-5 6.5-7
Site: Dexter Chemical

Lab Sample No: 48944
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0951.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results		Quantitation
	Units: ug/kg (Dry Weight)		Limit Units: ug/kg
N-Nitrosodimethylamine	ND		410
bis(2-Chloroethyl)ether	ND		20
1,3-Dichlorobenzene	ND		410
1,4-Dichlorobenzene	ND		410
1,2-Dichlorobenzene	ND		410
bis(2-chloroisopropyl)ether	ND		410
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		410
bis(2-Chloroethoxy)methane	ND		410
1,2,4-Trichlorobenzene	ND		20
Naphthalene	ND		410
Hexachlorobutadiene	ND		41
Hexachlorocyclopentadiene	ND		410
2-Chloronaphthalene	ND		410
Dimethylphthalate	ND		410
Acenaphthylene	ND		410
2,6-Dinitrotoluene	ND		41
Acenaphthene	ND		410
2,4-Dinitrotoluene	ND		41
Diethylphthalate	ND		410
4-Chlorophenyl-phenylether	ND		410
Fluorene	ND		410
N-Nitrosodiphenylamine	ND		410
4-Bromophenyl-phenylether	ND		410
Hexachlorobenzene	ND		20
Phenanthrene	62 J		410
Anthracene	15 J		410
Di-n-butylphthalate	ND		410
Fluoranthene	62 J		410
Pyrene	68 J		410
Benzidine	ND		810
Butylbenzylphthalate	ND		410

Client ID: E-5 6.5-7
Site: Dexter Chemical

Lab Sample No: 48944
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0951.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 19

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	810
Benzo(a)anthracene	50	20
Chrysene	42 J	410
bis(2-Ethylhexyl)phthalate	ND	410
Di-n-octylphthalate	ND	410
Benzo(b)fluoranthene	33	20
Benzo(k)fluoranthene	14 J	20
Benzo(a)pyrene	27	20
Indeno(1,2,3-cd)pyrene	12 J	20
Dibenz(a,h)anthracene	ND	20
Benzo(g,h,i)perylene	12 J	410

Client ID: E-5 6.5-7
Site: Dexter Chemical

Lab Sample No: 48944
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0951.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 18.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Organic Acid	17.77	500	
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

500

Client ID: E-5 6.5-7
Site: Dexter Chemical

Lab Sample No: 48944
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 18.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	ND	0.69		P
Beryllium	1.0	0.049		P
Cadmium	ND	0.099		P
Chromium	28.6	0.27		P
Copper	57.9	0.71		P
Lead	9.1	0.49		P
Mercury	ND	0.021		CV
Nickel	29.2	0.52		P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	81.4	0.96		P

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

Client ID: E-6_3.5-4
Site: Dexter Chemical

Lab Sample No: 48945
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0623.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 25

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1.3
Bromomethane	ND		1.3
Vinyl Chloride	ND		1.3
Chloroethane	ND		1.3
Methylene Chloride	3.8B		1.3
Trichlorofluoromethane	ND		1.3
1,1-Dichloroethene	ND		1.3
1,1-Dichloroethane	ND		1.3
trans-1,2-Dichloroethene	ND		1.3
cis-1,2-Dichloroethene	ND		1.3
Chloroform	ND		1.3
1,2-Dichloroethane	ND		1.3
1,1,1-Trichloroethane	ND		1.3
Carbon Tetrachloride	ND		1.3
Bromodichloromethane	ND		1.3
1,2-Dichloropropane	ND		1.3
cis-1,3-Dichloropropene	ND		1.3
Trichloroethene	ND		1.3
Dibromochloromethane	ND		1.3
1,1,2-Trichloroethane	ND		1.3
Benzene	ND		1.3
trans-1,3-Dichloropropene	ND		1.3
2-Chloroethyl Vinyl Ether	ND		1.3
Bromoform	ND		1.3
Tetrachloroethene	ND		1.3
1,1,2,2-Tetrachloroethane	ND		1.3
Toluene	1.2J		1.3
Chlorobenzene	ND		1.3
Ethylbenzene	ND		1.3
Xylene (Total)	0.8J		1.3

Client ID: E-6 3.5-4
Site: Dexter Chemical

Lab Sample No: 48945
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0623.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 24.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	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: E-6 3.5-4
Site: Dexter Chemical

Lab Sample No: 48945
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0955.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 25

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	440
bis(2-Chloroethyl)ether	ND	22
1,3-Dichlorobenzene	ND	440
1,4-Dichlorobenzene	ND	440
1,2-Dichlorobenzene	ND	440
bis(2-chloroisopropyl)ether	ND	440
N-Nitroso-di-n-propylamine	ND	22
Hexachloroethane	ND	22
Nitrobenzene	ND	22
Isophorone	ND	440
bis(2-Chloroethoxy)methane	ND	440
1,2,4-Trichlorobenzene	ND	22
Naphthalene	66 J	440
Hexachlorobutadiene	ND	44
Hexachlorocyclopentadiene	ND	440
2-Chloronaphthalene	ND	440
Dimethylphthalate	ND	440
Acenaphthylene	44 J	440
2,6-Dinitrotoluene	ND	44
Acenaphthene	100 J	440
2,4-Dinitrotoluene	ND	44
Diethylphthalate	ND	440
4-Chlorophenyl-phenylether	ND	440
Fluorene	96 J	440
N-Nitrosodiphenylamine	ND	440
4-Bromophenyl-phenylether	ND	440
Hexachlorobenzene	ND	22
Phenanthrene	1300	440
Anthracene	220 J	440
Di-n-butylphthalate	ND	440
Fluoranthene	1400	440
Pyrene	1600	440
Benzidine	ND	880
Butylbenzylphthalate	ND	440

Client ID: E-6 3.5-4
Site: Dexter Chemical

Lab Sample No: 48945
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0955.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 25

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		880
Benzo(a)anthracene	810		22
Chrysene	1000		440
bis(2-Ethylhexyl)phthalate	ND		440
Di-n-octylphthalate	ND		440
Benzo(b)fluoranthene	790		22
Benzo(k)fluoranthene	350		22
Benzo(a)pyrene	640		22
Indeno(1,2,3-cd)pyrene	290		22
Dibenz(a,h)anthracene	93		22
Benzo(g,h,i)perylene	320 J-		440

Client ID: E-6 3.5-4
Site: Dexter Chemical

Lab Sample No: 48945
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0955.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 24.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C15H12 PAH	21.23	430	
2. C15H10/C15H12 PAHs	21.37	460	
3. C20H12 PAH	27.71	630	
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

1520

Client ID: E-6 3.5-4
Site: Dexter Chemical

Lab Sample No: 48945
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 24.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	329	2.9	N	P
Arsenic	46.7	1.9		P
Beryllium	0.35	0.080	B	P
Cadmium	ND	0.27		P
Chromium	18.1	0.44		P
Copper	56.1	1.2		P
Lead	773	1.3		P
Mercury	0.13	0.022		CV
Nickel	46.0	0.84		P
Selenium	2.9	2.8	B	P
Silver	ND	0.56		P
Thallium	ND	3.0		P
Zinc	277	1.6		P

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

Client ID: I-1 3.5-4
Site: Dexter Chemical

Lab Sample No: 48946
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0624.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 17

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	2.8B	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	0.7J -	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	0.7J	1.2
Chlorobenzene	ND	1.2
Ethylbenzene	ND	1.2
Xylene (Total)	0.7J	1.2

Client ID: I-1 3.5-4
Site: Dexter Chemical

Lab Sample No: 48946
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/23/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0624.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 16.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Trichlorobenzene Isomer	21.36	7.8	
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

7.8

Client ID: I-1 3.5-4
Site: Dexter Chemical

Lab Sample No: 48946
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0956.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	400
bis(2-Chloroethyl) ether	ND	20
1,3-Dichlorobenzene	63 J	400
1,4-Dichlorobenzene	320 J	400
1,2-Dichlorobenzene	34 J	400
bis(2-chloroisopropyl) ether	ND	400
N-Nitroso-di-n-propylamine	ND	20
Hexachloroethane	ND	20
Nitrobenzene	ND	20
Isophorone	ND	400
bis(2-Chloroethoxy) methane	ND	400
1,2,4-Trichlorobenzene	180	20
Naphthalene	37 J	400
Hexachlorobutadiene	ND	40
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
Dimethylphthalate	ND	400
Acenaphthylene	32 J	400
2,6-Dinitrotoluene	ND	40
Acenaphthene	140 J	400
2,4-Dinitrotoluene	ND	40
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	110 J	400
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	20
Phenanthrene	870	400
Anthracene	180 J	400
Di-n-butylphthalate	ND	400
Fluoranthene	1000	400
Pyrene	960	400
Benzidine	ND	790
Butylbenzylphthalate	ND	400

Client ID: I-1_3.5-4
Site: Dexter Chemical

Lab Sample No: 48946
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0956.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	Analytical Results		Quantitation
	Units: ug/kg (Dry Weight)		Limit Units: ug/kg
3,3'-Dichlorobenzidine		ND	790
Benzo(a)anthracene	420		20
Chrysene	470		400
bis(2-Ethylhexyl)phthalate		ND	400
Di-n-octylphthalate		ND	400
Benzo(b)fluoranthene	420		20
Benzo(k)fluoranthene	180		20
Benzo(a)pyrene	350		20
Indeno(1,2,3-cd)pyrene	150		20
Dibenz(a,h)anthracene	46		20
Benzo(g,h,i)perylene	150	J-	400

Client ID: I-1 3.5-4
Site: Dexter Chemical

Lab Sample No: 48946
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0956.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Nonylphenol isomer	19.14	1500	_____
2. Unknown	19.17	990	_____
3. Nonylphenol isomer	19.42	4800	_____
4. Nonylphenol isomer	19.51	8000	_____
5. Nonylphenol isomer	19.58	13000	_____
6. Nonylphenol isomer	19.63	9200	_____
7. Nonylphenol isomer	19.72	3200	_____
8. Nonylphenol isomer	19.74	2600	_____
9. Unknown	19.76	2800	_____
10. Nonylphenol isomer	19.82	8500	_____
11. Nonylphenol isomer	19.88	7200	_____
12. Unknown	19.91	3200	_____
13. Nonylphenol isomer	19.94	4400	_____
14. Unknown	20.12	740	_____
15. Unknown	20.17	1100	_____
16. _____	_____	_____	_____
17. _____	_____	_____	_____
18. _____	_____	_____	_____
19. _____	_____	_____	_____
20. _____	_____	_____	_____
21. _____	_____	_____	_____
22. _____	_____	_____	_____
23. _____	_____	_____	_____
24. _____	_____	_____	_____
25. _____	_____	_____	_____
26. _____	_____	_____	_____
27. _____	_____	_____	_____
28. _____	_____	_____	_____
29. _____	_____	_____	_____
30. _____	_____	_____	_____

TOTAL ESTIMATED CONCENTRATION

71230

Client ID: I-1 3.5-4
Site: Dexter Chemical

Lab Sample No: 48946
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 16.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg <u>(Dry Weight)</u>	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	1.4	0.67		P
Beryllium	0.53	0.048		P
Cadmium	ND	0.096		P
Chromium	22.8	0.26		P
Copper	29.4	0.70		P
Lead	27.2	0.48		P
Mercury	0.10	0.020		CV
Nickel	17.5	0.50		P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	66.0	0.94		P

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

Client ID: I-1 7.5-8
Site: Dexter Chemical

Lab Sample No: 48947
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5117.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 17

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1500
Bromomethane	ND		1500
Vinyl Chloride	ND		1500
Chloroethane	ND		1500
Methylene Chloride	ND		1500
Trichlorofluoromethane	ND		1500
1,1-Dichloroethene	ND		1500
1,1-Dichloroethane	ND		1500
trans-1,2-Dichloroethene	ND		1500
cis-1,2-Dichloroethene	ND		1500
Chloroform	ND		1500
1,2-Dichloroethane	ND		1500
1,1,1-Trichloroethane	ND		1500
Carbon Tetrachloride	ND		1500
Bromodichloromethane	ND		1500
1,2-Dichloropropane	ND		1500
cis-1,3-Dichloropropene	ND		1500
Trichloroethene	ND		1500
Dibromochloromethane	ND		1500
1,1,2-Trichloroethane	ND		1500
Benzene	ND		1500
trans-1,3-Dichloropropene	ND		1500
2-Chloroethyl Vinyl Ether	ND		1500
Bromoform	ND		1500
Tetrachloroethene	ND		1500
1,1,2,2-Tetrachloroethane	ND		1500
Toluene	ND		1500
Chlorobenzene	ND		1500
Ethylbenzene	8400		1500
Xylene (Total)	45000		1500

Client ID: I-1 7.5-8
Site: Dexter Chemical

Lab Sample No: 48947
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/20/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b5117.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 16.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Decane	16.26	38000	
2. Benzene, 1,4-dichloro-	17.30	47000	
3. Diethylbenzene isomer	17.52	67000	
4. Benzene, 1,2-dichloro-	17.76	34000	
5. C10H14 Aromatic	17.88	36000	
6. C10H14 Aromatic	17.97	25000	
7. Tetramethylbenzene isomer	18.48	92000	
8. Unknown Alkane	18.71	25000	
9. 2,3-dihydro-methyl-1H-Indene isomer	19.09	33000	
10. Trichlorobenzene isomer	19.62	100000	
11.			
12.			
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TOTAL ESTIMATED CONCENTRATION

497000

Client ID: I-1 7.5-8
Site: Dexter Chemical

Lab Sample No: 48947
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0978.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 20.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	7900
bis(2-Chloroethyl)ether	ND	400
1,3-Dichlorobenzene	1900 J	7900
1,4-Dichlorobenzene	14000	7900
1,2-Dichlorobenzene	6800 J	7900
bis(2-chloroisopropyl)ether	ND	7900
N-Nitroso-di-n-propylamine	ND	400
Hexachloroethane	ND	400
Nitrobenzene	ND	400
Isophorone	ND	7900
bis(2-Chloroethoxy)methane	ND	7900
1,2,4-Trichlorobenzene	110000	400
Naphthalene	18000	7900
Hexachlorobutadiene	ND	790
Hexachlorocyclopentadiene	ND	7900
2-Chloronaphthalene	ND	7900
Dimethylphthalate	ND	7900
Acenaphthylene	560 J	7900
2,6-Dinitrotoluene	ND	790
Acenaphthene	530 J	7900
2,4-Dinitrotoluene	ND	790
Diethylphthalate	ND	7900
4-Chlorophenyl-phenylether	ND	7900
Fluorene	750 J	7900
N-Nitrosodiphenylamine	ND	7900
4-Bromophenyl-phenylether	ND	7900
Hexachlorobenzene	ND	400
Phenanthrene	3400 J	7900
Anthracene	680 J	7900
Di-n-butylphthalate	ND	7900
Fluoranthene	1200 J	7900
Pyrene	1200 J	7900
Benzidine	ND	16000
Butylbenzylphthalate	ND	7900

Client ID: I-1 7.5-8
Site: Dexter Chemical

Lab Sample No: 48947
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0978.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 20.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		16000
Benzo(a)anthracene	560		400
Chrysene	220 J		7900
bis(2-Ethylhexyl)phthalate	ND		7900
Di-n-octylphthalate	ND		7900
Benzo(b)fluoranthene	240 J		400
Benzo(k)fluoranthene	ND		400
Benzo(a)pyrene	210 J		400
Indeno(1,2,3-cd)pyrene	ND		400
Dibenz(a,h)anthracene	ND		400
Benzo(g,h,i)perylene	ND		7900

Client ID: I-1 7.5-8
Site: Dexter Chemical

Lab Sample No: 48947
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0978.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 20.0
% Moisture: 16.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Nonylphenol isomer	19.39	69000	
2. Nonylphenol isomer	19.49	140000	
3. Nonylphenol isomer	19.55	230000	
4. Nonylphenol isomer	19.61	150000	
5. Nonylphenol isomer	19.65	75000	
6. Unknown	19.69	48000	
7. Unknown	19.73	36000	
8. Nonylphenol isomer	19.79	130000	
9. Nonylphenol isomer	19.85	120000	
10. Unknown	19.88	58000	
11. Nonylphenol isomer	19.92	69000	
12. Unknown	20.31	72000	
13. Unknown	22.11	39000	
14. Unknown	22.15	60000	
15. Unknown	23.71	37000	
16.			
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18.			
19.			
20.			
21.			
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26.			
27.			
28.			
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TOTAL ESTIMATED CONCENTRATION

1333000

Client ID: I-1 7.5-8
Site: Dexter Chemical

Lab Sample No: 48947
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 16.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	ND	0.67		P
Beryllium	0.56	0.048		P
Cadmium	ND	0.096		P
Chromium	37.7	0.26		P
Copper	76.0	0.70		P
Lead	13.3	0.48		P
Mercury	0.54	0.020		CV
Nickel	24.3	0.50		P
Selenium	1.8	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	90.1	0.94		P

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

Client ID: MW-1 8-10
Site: Dexter Chemical

Lab Sample No: 48948
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0629.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 23

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results		Quantitation
	Units: ug/kg (Dry Weight)		Limit Units: ug/kg
Chloromethane	ND		1.3
Bromomethane	ND		1.3
Vinyl Chloride	ND		1.3
Chloroethane	ND		1.3
Methylene Chloride	2.4B		1.3
Trichlorofluoromethane	ND		1.3
1,1-Dichloroethene	ND		1.3
1,1-Dichloroethane	ND		1.3
trans-1,2-Dichloroethene	ND		1.3
cis-1,2-Dichloroethene	ND		1.3
Chloroform	ND		1.3
1,2-Dichloroethane	ND		1.3
1,1,1-Trichloroethane	ND		1.3
Carbon Tetrachloride	ND		1.3
Bromodichloromethane	ND		1.3
1,2-Dichloropropane	ND		1.3
cis-1,3-Dichloropropene	ND		1.3
Trichloroethene	ND		1.3
Dibromochloromethane	ND		1.3
1,1,2-Trichloroethane	ND		1.3
Benzene	ND		1.3
trans-1,3-Dichloropropene	ND		1.3
2-Chloroethyl Vinyl Ether	ND		1.3
Bromoform	ND		1.3
Tetrachloroethene	ND		1.3
1,1,2,2-Tetrachloroethane	ND		1.3
Toluene	ND		1.3
Chlorobenzene	ND		1.3
Ethylbenzene	ND		1.3
Xylene (Total)	19		1.3

Client ID: MW-1 8-10
Site: Dexter Chemical

Lab Sample No: 48948
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0629.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 22.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Heptane	12.01	170	
2. C8H18 Alkane	13.46	400	
3. Heptane, 3-methyl-	13.65	240	
4. Octane	14.15	500	
5. C9H18 Cycloalkane	15.21	160	
6. C9H20 Alkane	15.33	340	
7. C9H20 Alkane	15.47	210	
8. Nonane	15.90	450	
9. C10H22 Alkane	16.91	210	
10. Decane	17.46	220	
11.			
12.			
13.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

2900

Client ID: MW-1_8-10
Site: Dexter Chemical

Lab Sample No: 48948
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0957.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u>	<u>(Dry Weight)</u>	<u>Limit</u>
			<u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		430
bis(2-Chloroethyl) ether	ND		21
1,3-Dichlorobenzene	ND		430
1,4-Dichlorobenzene	ND		430
1,2-Dichlorobenzene	ND		430
bis(2-chloroisopropyl) ether	ND		430
N-Nitroso-di-n-propylamine	ND		21
Hexachloroethane	ND		21
Nitrobenzene	ND		21
Sophorone	ND		430
bis(2-Chloroethoxy) methane	ND		430
1,2,4-Trichlorobenzene	ND		21
Naphthalene	56	J	430
Hexachlorobutadiene	ND		43
Hexachlorocyclopentadiene	ND		430
1-Chloronaphthalene	ND		430
Dimethylphthalate	ND		430
Acenaphthylene	72	J	430
1,6-Dinitrotoluene	ND		43
Acenaphthene	82	J	430
2,4-Dinitrotoluene	ND		43
Diethylphthalate	ND		430
1-Chlorophenyl-phenylether	ND		430
Fluorene	100	J	430
N-Nitrosodiphenylamine	ND		430
1-Bromophenyl-phenylether	ND		430
Hexachlorobenzene	ND		21
Phenanthrene	1200		430
Anthracene	400	J	430
Di-n-butylphthalate	ND		430
Fluoranthene	1900		430
Pyrene	2200		430
Benzidine	ND		860
Butylbenzylphthalate	ND		430

Client ID: MW-1_8-10
Site: Dexter Chemical

Lab Sample No: 48948
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0957.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		860
Benzo(a)anthracene	1200		21
Chrysene	1500		430
bis(2-Ethylhexyl)phthalate	140 JB		430
Di-n-octylphthalate	ND		430
Benzo(b)fluoranthene	1400		21
Benzo(k)fluoranthene	530		21
Benzo(a)pyrene	1000		21
Indeno(1,2,3-cd)pyrene	510		21
Dibenz(a,h)anthracene	130		21
Benzo(g,h,i)perylene	520		430

Client ID: MW-1 8-10
Site: Dexter Chemical

Lab Sample No: 48948
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0957.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Xylene isomer	10.26	870	
2. Unknown Alkane	10.29	510	
3. Unknown Alkane	10.88	830	
4. Unknown Alkane	12.53	980	
5. Palmitic acid	21.23	2200	
6. C15H10/C15H12 PAHs	21.37	630	
7. Unknown	22.43	580	
8. Stearic acid	22.53	1800	
9. Unknown Alkane	24.45	760	
10. Unknown Alkane	25.67	870	
11. Unknown Alkane	26.42	650	
12. Unknown Alkane	27.28	790	
13. Unknown	27.34	1100	
14. C20H12 PAH	27.72	1000	
15. Unknown	31.11	480	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

14050

**SOIL SAMPLES
COLLECTED MARCH 12, 1998**



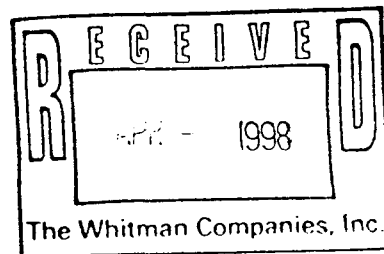
ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

April 9, 1998

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

Attention: Dr. Ira Whitman



Re: Job No. C038 - Dexter Chemical

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on March 13, 1998:

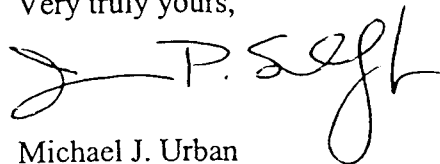
<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
49329	M-1_8.5	PP VOA+10, PP BN+15, PP Metals,
49330	M-2_9.5	PP VOA+10, PP BN+15, PP Metals,
49331	M-1_4	PP VOA+10, PP BN+15, PP Metals,
49332	M-2_4	PP VOA+10, PP BN+15, PP Metals,
49333	M-3_4	PP VOA+10, PP BN+15, PP Metals,
49334	M-3_11.5	PP VOA+10, PP BN+15, PP Metals,
49335	M-4_4	PP VOA+10, PP BN+15, PP Metals,
49336	M-4_9.5	PP VOA+10, PP BN+15, PP Metals,
49337	MW-3_8-9	PP VOA+10, PP BN+15, Isopropyl Alcohol, PP Metals

ENVIROTECH RESEARCH, INC.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
49338	MW-3_13.5-14	PP VOA+10, PP BN+15, PP Metals, TOC
49339	MW-6_7-8	PP VOA+10 PP BN+15, PP Metals

If you have any questions please contact your Project Manager, Robert McGrady,
at (732) 549-3900.

Very truly yours,



Michael J. Urban
Laboratory Manager

Client ID: M-1_8.5
Site: Dexter Chemical

Lab Sample No: 49329
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0559.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1.2
Bromomethane	ND		1.2
Vinyl Chloride	ND		1.2
Chloroethane	ND		1.2
Methylene Chloride	ND		1.2
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
1,1-Dichloroethane	ND		1.2
trans-1,2-Dichloroethene	ND		1.2
cis-1,2-Dichloroethene	ND		1.2
Chloroform	ND		1.2
1,2-Dichloroethane	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
Bromodichloromethane	ND		1.2
1,2-Dichloropropane	ND		1.2
cis-1,3-Dichloropropene	ND		1.2
Trichloroethene	ND		1.2
Dibromochloromethane	ND		1.2
1,1,2-Trichloroethane	ND		1.2
Benzene	ND		1.2
trans-1,3-Dichloropropene	ND		1.2
2-Chloroethyl Vinyl Ether	ND		1.2
Bromoform	ND		1.2
Tetrachloroethene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
Toluene	ND		1.2
Chlorobenzene	ND		1.2
Ethylbenzene	ND		1.2
Xylene (Total)	ND		1.2

Client ID: M-1 8.5
Site: Dexter Chemical

Lab Sample No: 49329
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0559.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 18.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-1 8.5
Site: Dexter Chemical

Lab Sample No: 49329
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3162.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		400
bis(2-Chloroethyl) ether	ND		20
1,3-Dichlorobenzene	ND		400
1,4-Dichlorobenzene	ND		400
1,2-Dichlorobenzene	ND		400
bis(2-chloroisopropyl) ether	ND		400
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		400
bis(2-Chloroethoxy) methane	ND		400
1,2,4-Trichlorobenzene	ND		20
Naphthalene	980		400
Hexachlorobutadiene	ND		40
Hexachlorocyclopentadiene	ND		400
2-Chloronaphthalene	ND		400
Dimethylphthalate	ND		400
Acenaphthylene	ND		400
2,6-Dinitrotoluene	ND		40
Acenaphthene	1200		400
2,4-Dinitrotoluene	ND		40
Diethylphthalate	ND		400
4-Chlorophenyl-phenylether	ND		400
Fluorene	870		400
N-Nitrosodiphenylamine	ND		400
4-Bromophenyl-phenylether	ND		400
Hexachlorobenzene	ND		20
Phenanthrene	2100		400
Anthracene	310 J		400
Di-n-butylphthalate	ND		400
Fluoranthene	370 J		400
Pyrene	320 J		400
Benzidine	ND		810
Butylbenzylphthalate	ND		400

Client ID: M-1 8.5
Site: Dexter Chemical

Lab Sample No: 49329
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3162.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 18

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	810
Benzo(a)anthracene	160	20
Chrysene	160 J	400
bis(2-Ethylhexyl)phthalate	ND	400
Di-n-octylphthalate	ND	400
Benzo(b)fluoranthene	160	20
Benzo(k)fluoranthene	62	20
Benzo(a)pyrene	110	20
Indeno(1,2,3-cd)pyrene	68	20
Dibenz(a,h)anthracene	ND	20
Benzo(g,h,i)perylene	69 J	400

Client ID: M-1 8.5
Site: Dexter Chemical

Lab Sample No: 49329
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3162.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 18.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Naphthalene, 2-methyl-	16.15	890	
2. Naphthalene, 1-methyl-	16.31	1300	
3. Dimethylnaphthalene isomer	17.31	870	
4. Unknown	21.58	490	
5.			
6.			
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TOTAL ESTIMATED CONCENTRATION

3550

Client ID: M-2 9.5
Site: Dexter Chemical

Lab Sample No: 49330
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0560.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	ND	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	ND	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	1.2
Chlorobenzene	ND	1.2
Ethylbenzene	ND	1.2
Xylene (Total)	ND	1.2

Client ID: M-2 9.5
Site: Dexter Chemical

Lab Sample No: 49330
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0560.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 21.7

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-2 9.5
Site: Dexter Chemical

Lab Sample No: 49330
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3163.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		420
bis(2-Chloroethyl) ether	ND		21
1,3-Dichlorobenzene	ND		420
1,4-Dichlorobenzene	ND		420
1,2-Dichlorobenzene	ND		420
bis(2-chloroisopropyl) ether	ND		420
N-Nitroso-di-n-propylamine	ND		21
Hexachloroethane	ND		21
Nitrobenzene	ND		21
Isophorone	ND		420
bis(2-Chloroethoxy) methane	ND		420
1,2,4-Trichlorobenzene	ND		21
Naphthalene	ND		420
Hexachlorobutadiene	ND		42
Hexachlorocyclopentadiene	ND		420
2-Chloronaphthalene	ND		420
Dimethylphthalate	ND		420
Acenaphthylene	ND		420
2,6-Dinitrotoluene	ND		42
Acenaphthene	ND		420
2,4-Dinitrotoluene	ND		42
Diethylphthalate	ND		420
4-Chlorophenyl-phenylether	ND		420
Fluorene	ND		420
N-Nitrosodiphenylamine	ND		420
4-Bromophenyl-phenylether	ND		420
Hexachlorobenzene	ND		21
Phenanthrene	43	J	420
Anthracene	ND		420
Di-n-butylphthalate	ND		420
Fluoranthene	69	J	420
Pyrene	83	J	420
Benzidine	ND		840
Butylbenzylphthalate	ND		420

Client ID: M-2_9.5
Site: Dexter Chemical

Lab Sample No: 49330
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3163.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		840
Benzo(a)anthracene	62		21
Chrysene	44 J		420
bis(2-Ethylhexyl)phthalate	ND		420
Di-n-octylphthalate	ND		420
Benzo(b)fluoranthene	39		21
Benzo(k)fluoranthene	16 J		21
Benzo(a)pyrene	36		21
Indeno(1,2,3-cd)pyrene	ND		21
Dibenz(a,h)anthracene	ND		21
Benzo(g,h,i)perylene	ND		420

Client ID: M-2 9.5
Site: Dexter Chemical

Lab Sample No: 49330
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3163.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 21.7

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	16.14	440	
2. Unknown	21.11	390	
3. Hexadecanoic acid	21.22	510	
4. Unknown	25.93	760	
5. Unknown	31.56	650	
6. Unknown	31.79	420	
7. Unknown	34.33	530	
8.			
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TOTAL ESTIMATED CONCENTRATION

3700

Client ID: MW-1 8-10
Site: Dexter Chemical

Lab Sample No: 48948
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 22.9

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	3.0	1.7	BN	P
Arsenic	21.0	1.1		P
Beryllium	0.67	0.078	B	P
Cadmium	1.8	0.16	B	P
Chromium	15.3	0.43		P
Copper	2140	1.1		P
Lead	1840	0.78		P
Mercury	1.3	0.022		CV
Nickel	19.3	0.82		P
Selenium	5.1	1.6		P
Silver	ND	0.54		P
Thallium	ND	1.8		P
Zinc	1320	1.5		P

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

Client ID: I-2 7.5-8
Site: Dexter Chemical

Lab Sample No: 48949
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0630.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 17

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	2.3B	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	ND	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	ND	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	1.0J	1.2
Chlorobenzene	9.6	1.2
Ethylbenzene	3.4	1.2
Xylene (Total)	11	1.2

Client ID: I-2 7.5-8
Site: Dexter Chemical

Lab Sample No: 48949
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0630.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 16.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Dichlorobenzene isomer	18.66	50	
2. Ethyldimethylbenzene isomer/C11H24 Alk	18.86	80	
3. Ethyldimethylbenzene isomer	19.28	73	
4. Ethyldimethylbenzene isomer	19.37	62	
5. Ethyldimethylbenzene isomer	19.90	100	
6. Ethyldimethylbenzene isomer	19.97	120	
7. 2,3-dihydro-methyl-1H-Indene isomer	20.43	62	
8. Ethyldimethylbenzene isomer	20.59	49	
9. Trichlorobenzene isomer	21.28	78	
10. Naphthalene	21.72	56	
11.			
12.			
13.			
14.			
15.			
16.			
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18.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

730

Client ID: I-2 7.5-8
Site: Dexter Chemical

Lab Sample No: 48949
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0958.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		400
bis(2-Chloroethyl)ether	ND		20
1,3-Dichlorobenzene	ND		400
1,4-Dichlorobenzene	87	J	400
1,2-Dichlorobenzene	ND		400
bis(2-chloroisopropyl)ether	ND		400
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		400
bis(2-Chloroethoxy)methane	ND		400
1,2,4-Trichlorobenzene	220		20
Naphthalene	310	J	400
Hexachlorobutadiene	ND		40
Hexachlorocyclopentadiene	ND		400
2-Chloronaphthalene	ND		400
Dimethylphthalate	ND		400
Acenaphthylene	ND		400
2,6-Dinitrotoluene	ND		40
Acenaphthene	ND		400
2,4-Dinitrotoluene	ND		40
Diethylphthalate	ND		400
4-Chlorophenyl-phenylether	ND		400
Fluorene	ND		400
N-Nitrosodiphenylamine	ND		400
4-Bromophenyl-phenylether	ND		400
Hexachlorobenzene	ND		20
Phenanthrene	20	J	400
Anthracene	ND		400
Di-n-butylphthalate	ND		400
Fluoranthene	15	J	400
Pyrene	15	J	400
Benzidine	ND		790
Butylbenzylphthalate	ND		400

Client ID: I-2 7.5-8
Site: Dexter Chemical

Lab Sample No: 48949
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0958.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u>	<u>(Dry Weight)</u>	<u>Limit</u>
3,3'-Dichlorobenzidine	ND		790
Benzo(a)anthracene	ND		20
Chrysene	ND		400
bis(2-Ethylhexyl)phthalate	ND		400
Di-n-octylphthalate	ND		400
Benzo(b)fluoranthene	ND		20
Benzo(k)fluoranthene	ND		20
Benzo(a)pyrene	ND		20
Indeno(1,2,3-cd)pyrene	ND		20
Dibenz(a,h)anthracene	ND		20
Benzo(g,h,i)perylene	ND		400

Client ID: I-2 7.5-8
Site: Dexter Chemical

Lab Sample No: 48949
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0958.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	17.40	1900	
2. Unknown	18.85	2300	
3. Nonylphenol isomer	19.15	1300	
4. Nonylphenol isomer	19.42	1400	
5. Nonylphenol isomer	19.51	3300	
6. Nonylphenol isomer	19.57	4700	
7. Nonylphenol isomer	19.62	3000	
8. Nonylphenol isomer	19.66	1600	
9. Nonylphenol isomer	19.81	2300	
10. Nonylphenol isomer	19.87	2500	
11. Unknown	19.94	1400	
12. Unknown	20.34	1500	
13. Unknown	22.14	1100	
14. Unknown	22.18	1300	
15. Unknown	25.79	5800	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

35400

Client ID: I-2 7.5-8
Site: Dexter Chemical

Lab Sample No: 48949
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 16.9

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	1.7	0.67		P
Beryllium	0.61	0.048		P
Cadmium	ND	0.096		P
Chromium	66.4	0.26		P
Copper	23.3	0.70		P
Lead	9.7	0.48		P
Mercury	0.04	0.020		CV
Nickel	30.2	0.51		P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	54.5	0.94		P

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

Client ID: I-2 9.5-10
Site: Dexter Chemical

Lab Sample No: 48950
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0631.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	2.5B	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	1.0J	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	ND	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	0.8J	1.1
Chlorobenzene	6.1	1.1
Ethylbenzene	2.2	1.1
Xylene (Total)	11	1.1

Client ID: I-2 9.5-10
Site: Dexter Chemical

Lab Sample No: 48950
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Analyzed: 03/24/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0631.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 14.6

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. C9H18O Ketone	17.68	38	
2. Unknown Ketone	18.07	21	
3. Dichlorobenzene isomer	18.67	26	
4. Ethyldimethylbenzene isomer	18.88	40	
5. Ethyldimethylbenzene isomer	19.29	23	
6. Ethyldimethylbenzene isomer	19.38	29	
7. Tetramethylbenzene isomer	19.91	42	
8. Tetramethylbenzene isomer	19.98	39	
9. 2,3-dihydro-methyl-1H-Indene isomer	20.41	23	
10. Naphthalene	21.72	29	
11.			
12.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION

310

Client ID: I-2 9.5-10
Site: Dexter Chemical

Lab Sample No: 48950
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0972.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		390
bis(2-Chloroethyl) ether	ND		19
1,3-Dichlorobenzene	64 J		390
1,4-Dichlorobenzene	270 J		390
1,2-Dichlorobenzene	23 J		390
bis(2-chloroisopropyl) ether	ND		390
N-Nitroso-di-n-propylamine	ND		19
Hexachloroethane	ND		19
Nitrobenzene	ND		19
Isophorone	ND		390
bis(2-Chloroethoxy) methane	ND		390
1,2,4-Trichlorobenzene	99		19
Naphthalene	520		390
Hexachlorobutadiene	ND		39
Hexachlorocyclopentadiene	ND		390
2-Chloronaphthalene	ND		390
Dimethylphthalate	ND		390
Acenaphthylene	ND		390
2,6-Dinitrotoluene	ND		39
Acenaphthene	120 J		390
2,4-Dinitrotoluene	ND		39
Diethylphthalate	ND		390
4-Chlorophenyl-phenylether	ND		390
Fluorene	68 J		390
N-Nitrosodiphenylamine	ND		390
4-Bromophenyl-phenylether	ND		390
Hexachlorobenzene	ND		19
Phenanthrene	450		390
Anthracene	110 J		390
Di-n-butylphthalate	ND		390
Fluoranthene	560		390
Pyrene	510		390
Benzidine	ND		770
Butylbenzylphthalate	ND		390

Client ID: I-2_9.5-10
Site: Dexter Chemical

Lab Sample No: 48950
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0972.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		770
Benzo(a)anthracene	280		19
Chrysene	290 J		390
bis(2-Ethylhexyl)phthalate	100 JB		390
Di-n-octylphthalate	ND		390
Benzo(b)fluoranthene	310		19
Benzo(k)fluoranthene	160		19
Benzo(a)pyrene	270		19
Indeno(1,2,3-cd)pyrene	130		19
Dibenz(a,h)anthracene	36		19
Benzo(g,h,i)perylene	140 J		390

Client ID: I-2 9.5-10
Site: Dexter Chemical

Lab Sample No: 48950
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98
Date Extracted: 03/18/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS4.i
Lab File ID: u0972.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14.6

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	17.39	2600	
2. Unknown	18.83	1400	
3. Unknown	18.86	1300	
4. Nonylphenol isomer	19.40	590	
5. Nonylphenol isomer	19.49	1200	
6. Nonylphenol isomer	19.55	1700	
7. Nonylphenol isomer	19.60	1200	
8. Nonylphenol isomer	19.64	600	
9. Nonylphenol isomer	19.79	980	
10. Nonylphenol isomer	19.85	910	
11. Nonylphenol isomer	19.92	650	
12. Unknown	20.87	560	
13. Unknown	22.12	720	
14. Unknown	22.58	1600	
15. Unknown	23.72	1200	
16.			
17.			
18.			
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21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

17210

Client ID: I-2 9.5-10
Site: Dexter Chemical

Lab Sample No: 48950
Lab Job No: B990

Date Sampled: 03/11/98
Date Received: 03/12/98

Matrix: SOLID
Level: LOW
% Moisture: 14.6

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg <u>(Dry Weight)</u>	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.0	N	P
Arsenic	1.6	0.66		P
Beryllium	0.53	0.047		P
Cadmium	ND	0.094		P
Chromium	28.9	0.26		P
Copper	22.1	0.68		P
Lead	15.8	0.47		P
Mercury	0.05	0.020		CV
Nickel	43.7	0.49		P
Selenium	ND	0.98		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	55.4	0.91		P

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

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

SITE ADDRESS: Bronx, NY
SAMPLE DATE: 3/11/98
SAMPLER(S): Lee Westcott / Gary Weissberger

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PHASES	NO. OF CONT.	SPECIAL INSTRUCTIONS
0820	FIELD BLANK	FB-311	N/A	1420	ISOPROPYL ALCOHOL (ISO)	HCl/ICE	2	
0910	AREA 'E'	E-1	10-10.5	SOIL	PPM BN, VO	ICE	2	
0920		↓	2.5-3		PPM BN, VO		2	
1000		E-2	1.5-2		PPM BN, VO		2	
1015		↓	2.5-3		PPM BN, VO		2	
1140	↓	E-4	3-3.5		PPM BN, VO w/ISO, TOC		2	
1148	MONITORING WELL	MW-2	7-7.5		PPM BN, VO		1	
1400	AREA 'E'	E-5	3.5-4		PPM BN, VO		2	
1405	↓	↓	6.5-7		PPM BN, VO		2	
1420	↓	E-6	3.5-4		PPM BN, VO		2	
1445	AREA 'I'	I-1	3.5-4		PPM BN, VO		1	
1450	↓	↓	7.5-8		PPM BN, VO		1	
1420	MONITORING WELL	MW-1	8-10'		PPM BN, VO		1	
RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:								
RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:								

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



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

SITE ADDRESS: Bronx, NY
SAMPLE DATE: 3/11/98
SAMPLER(S): Lee Westcott

[illegible]

ANALYTICAL PARAMETER IDENTIFICATION KEY:

VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
 PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
 BBN: BASIC NEUTRALS WITH LIBRARY SEARCH
 EAC: ACID EXTRACTABLES WITH LIBRARY SEARCH
 PPM: PRIORITY POLLUTANT PLUS
 PPM40: PRIORITY POLLUTANT PLUS PRIORITY PEAKS

CT - CEILING TILB
FT - FLOOR TILB

TSI - THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS

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



Client ID: M-1 4
Site: Dexter Chemical

Lab Sample No: 49331
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0561.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	ND	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	ND	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	ND	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	1.1
Chlorobenzene	ND	1.1
Ethylbenzene	ND	1.1
Xylene (Total)	ND	1.1

Client ID: M-1 4
Site: Dexter Chemical

Lab Sample No: 49331
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0561.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 10.3

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

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

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-1_4
Site: Dexter Chemical

Lab Sample No: 49331
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3164.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		370
bis(2-Chloroethyl)ether	ND		18
1,3-Dichlorobenzene	ND		370
1,4-Dichlorobenzene	ND		370
1,2-Dichlorobenzene	ND		370
bis(2-chloroisopropyl) ether	ND		370
N-Nitroso-di-n-propylamine	ND		18
Hexachloroethane	ND		18
Nitrobenzene	ND		18
Isophorone	ND		370
bis(2-Chloroethoxy)methane	ND		370
1,2,4-Trichlorobenzene	ND		18
Naphthalene	ND		370
Hexachlorobutadiene	ND		37
Hexachlorocyclopentadiene	ND		370
2-Chloronaphthalene	ND		370
Dimethylphthalate	ND		370
Acenaphthylene	ND		370
2,6-Dinitrotoluene	ND		37
Acenaphthene	ND		370
2,4-Dinitrotoluene	ND		37
Diethylphthalate	ND		370
4-Chlorophenyl-phenylether	ND		370
Fluorene	ND		370
N-Nitrosodiphenylamine	ND		370
4-Bromophenyl-phenylether	ND		370
Hexachlorobenzene	ND		18
Phenanthrene	42 J		370
Anthracene	ND		370
Di-n-butylphthalate	ND		370
Fluoranthene	61 J		370
Pyrene	62 J		370
Benzidine	ND		740
Butylbenzylphthalate	ND		370

Client ID: M-1_4
Site: Dexter Chemical

Lab Sample No: 49331
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3164.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		740
Benzo(a)anthracene	37		18
Chrysene	38 J		370
bis(2-Ethylhexyl)phthalate	ND		370
Di-n-octylphthalate	ND		370
Benzo(b)fluoranthene	40		18
Benzo(k)fluoranthene	14 J		18
Benzo(a)pyrene	29		18
Indeno(1,2,3-cd)pyrene	ND		18
Dibenz(a,h)anthracene	ND		18
Benzo(g,h,i)perylene	ND		370

Client ID: M-1 4
Site: Dexter Chemical

Lab Sample No: 49331
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3164.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10.3

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown	25.92	610	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
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21.			
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23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

610

Client ID: M-2 4
Site: Dexter Chemical

Lab Sample No: 49332
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0562.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	ND	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	ND	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	ND	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	ND	1.1
Chlorobenzene	ND	1.1
Ethylbenzene	ND	1.1
Xylene (Total)	ND	1.1

Client ID: M-2 4
Site: Dexter Chemical

Lab Sample No: 49332
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/19/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0562.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11.7

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
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17.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-2 4
Site: Dexter Chemical

Lab Sample No: 49332
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3168.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		370
bis(2-Chloroethyl)ether	ND		19
1,3-Dichlorobenzene	ND		370
1,4-Dichlorobenzene	ND		370
1,2-Dichlorobenzene	ND		370
bis(2-chloroisopropyl)ether	ND		370
N-Nitroso-di-n-propylamine	ND		19
Hexachloroethane	ND		19
Nitrobenzene	ND		19
Isophorone	ND		370
bis(2-Chloroethoxy)methane	ND		370
1,2,4-Trichlorobenzene	ND		19
Naphthalene	ND		370
Hexachlorobutadiene	ND		37
Hexachlorocyclopentadiene	ND		370
2-Chloronaphthalene	ND		370
Dimethylphthalate	ND		370
Acenaphthylene	ND		370
2,6-Dinitrotoluene	ND		37
Acenaphthene	ND		370
2,4-Dinitrotoluene	ND		37
Diethylphthalate	ND		370
4-Chlorophenyl-phenylether	ND		370
Fluorene	ND		370
N-Nitrosodiphenylamine	ND		370
4-Bromophenyl-phenylether	ND		370
Hexachlorobenzene	ND		19
Phenanthrene	87 J		370
Anthracene	ND		370
Di-n-butylphthalate	ND		370
Fluoranthene	200 J		370
Pyrene	200 J		370
Benzidine	ND		750
Butylbenzylphthalate	ND		370

Client ID: M-2_4
Site: Dexter Chemical

Lab Sample No: 49332
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3168.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	750
Benzo(a)anthracene	110	19
Chrysene	91 J	370
bis(2-Ethylhexyl)phthalate	ND	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	100	19
Benzo(k)fluoranthene	45	19
Benzo(a)pyrene	87	19
Indeno(1,2,3-cd)pyrene	54	19
Dibenz(a,h)anthracene	ND	19
Benzo(g,h,i)perylene	56 J	370

Client ID: M-2 4
Site: Dexter Chemical

Lab Sample No: 49332
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3168.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11.7

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-3 4
Site: Dexter Chemical

Lab Sample No: 49333
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0658.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	1.7B	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	ND	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	4.6	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	1.6	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	1.0J	1.1
Chlorobenzene	ND	1.1
Ethylbenzene	ND	1.1
Xylene (Total)	ND	1.1

Client ID: M-3 4
Site: Dexter Chemical

Lab Sample No: 49333
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0658.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 11.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Siloxane	18.90	12	
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION

12

Client ID: M-3 4
Site: Dexter Chemical

Lab Sample No: 49333
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3169.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	Analytical Results		Quantitation
	Units: ug/kg (Dry Weight)		Limit Units: ug/kg
N-Nitrosodimethylamine	ND		370
bis(2-Chloroethyl) ether	ND		18
1,3-Dichlorobenzene	ND		370
1,4-Dichlorobenzene	ND		370
1,2-Dichlorobenzene	ND		370
bis(2-chloroisopropyl) ether	ND		370
N-Nitroso-di-n-propylamine	ND		18
Hexachloroethane	ND		18
Nitrobenzene	ND		18
Isophorone	ND		370
bis(2-Chloroethoxy) methane	ND		370
1,2,4-Trichlorobenzene	ND		18
Naphthalene	ND		370
Hexachlorobutadiene	ND		37
Hexachlorocyclopentadiene	ND		370
2-Chloronaphthalene	ND		370
Dimethylphthalate	ND		370
Acenaphthylene	42 J		370
2,6-Dinitrotoluene	ND		37
Acenaphthene	38 J		370
2,4-Dinitrotoluene	ND		37
Diethylphthalate	ND		370
4-Chlorophenyl-phenylether	ND		370
Fluorene	45 J		370
N-Nitrosodiphenylamine	ND		370
4-Bromophenyl-phenylether	ND		370
Hexachlorobenzene	ND		18
Phenanthrene	860		370
Anthracene	130 J		370
Di-n-butylphthalate	ND		370
Fluoranthene	1300		370
Pyrene	1100		370
Benzidine	ND		740
Butylbenzylphthalate	ND		370

Client ID: M-3_4
Site: Dexter Chemical

Lab Sample No: 49333
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3169.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		740
Benzo(a)anthracene	550		18
Chrysene	600		370
bis(2-Ethylhexyl)phthalate	ND		370
Di-n-octylphthalate	ND		370
Benzo(b)fluoranthene	540		18
Benzo(k)fluoranthene	210		18
Benzo(a)pyrene	420		18
Indeno(1,2,3-cd)pyrene	260		18
Dibenz(a,h)anthracene	ND		18
Benzo(g,h,i)perylene	260 J		370

Client ID: M-3_4
Site: Dexter Chemical

Lab Sample No: 49333
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/24/98
GC Column: DB-5
Instrument ID: BNAMS1.i
Lab File ID: r3169.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11.0

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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28.			
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30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-3 11.5
Site: Dexter Chemical

Lab Sample No: 49334
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0659.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 17

VOLATILE ORGANICS - GC/MS
METHOD 8240B

Analytical Results
Units: ug/kg
(Dry Weight)

Quantitation
Limit
Units: ug/kg

Parameter

Chloromethane	ND	1.2
Bromomethane	ND	1.2
Vinyl Chloride	ND	1.2
Chloroethane	ND	1.2
Methylene Chloride	2.5B	1.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	1.2
1,1-Dichloroethane	ND	1.2
trans-1,2-Dichloroethene	ND	1.2
cis-1,2-Dichloroethene	1.1J	1.2
Chloroform	ND	1.2
1,2-Dichloroethane	ND	1.2
1,1,1-Trichloroethane	3.9	1.2
Carbon Tetrachloride	ND	1.2
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	1.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	1.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.2
2-Chloroethyl Vinyl Ether	ND	1.2
Bromoform	ND	1.2
Tetrachloroethene	1.2	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	0.8J	1.2
Chlorobenzene	ND	1.2
Ethylbenzene	ND	1.2
Xylene (Total)	ND	1.2

Client ID: M-3 11.5
Site: Dexter Chemical

Lab Sample No: 49334
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0659.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 16.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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28.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-3_11.5
Site: Dexter Chemical

Lab Sample No: 49334
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3618.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
N-Nitrosodimethylamine	ND		400
bis(2-Chloroethyl)ether	ND		20
1,3-Dichlorobenzene	ND		400
1,4-Dichlorobenzene	ND		400
1,2-Dichlorobenzene	ND		400
bis(2-chloroisopropyl)ether	ND		400
N-Nitroso-di-n-propylamine	ND		20
Hexachloroethane	ND		20
Nitrobenzene	ND		20
Isophorone	ND		400
bis(2-Chloroethoxy)methane	ND		400
1,2,4-Trichlorobenzene	ND		400
Naphthalene	ND		400
Hexachlorobutadiene	ND		40
Hexachlorocyclopentadiene	ND		400
2-Chloronaphthalene	ND		400
Dimethylphthalate	ND		400
Acenaphthylene	ND		400
2,6-Dinitrotoluene	ND		40
Acenaphthene	ND		400
2,4-Dinitrotoluene	ND		40
Diethylphthalate	ND		400
4-Chlorophenyl-phenylether	ND		400
Fluorene	ND		400
N-Nitrosodiphenylamine	ND		400
4-Bromophenyl-phenylether	ND		400
Hexachlorobenzene	ND		20
Phenanthrene	11 J		400
Anthracene	ND		400
Di-n-butylphthalate	ND		400
Fluoranthene	15 J		400
Pyrene	14 J		400
Benzidine	ND		790
Butylbenzylphthalate	ND		400

Client ID: M-3_11.5
Site: Dexter Chemical

Lab Sample No: 49334
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3618.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 17

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		790
Benzo(a)anthracene	10 J		20
Chrysene	8.8J		400
bis(2-Ethylhexyl)phthalate	ND		400
Di-n-octylphthalate	ND		400
Benzo(b)fluoranthene	10 J		20
Benzo(k)fluoranthene	ND		20
Benzo(a)pyrene	ND		20
Indeno(1,2,3-cd)pyrene	ND		20
Dibenz(a,h)anthracene	ND		20
Benzo(g,h,i)perylene	ND		400

Client ID: M-3 11.5
Site: Dexter Chemical

Lab Sample No: 49334
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3618.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16.8

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-4 4
Site: Dexter Chemical

Lab Sample No: 49335
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0660.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	1.7B	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	ND	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	1.1J	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	0.9J	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	0.8J	1.1
Chlorobenzene	ND	1.1
Ethylbenzene	ND	1.1
Xylene (Total)	ND	1.1

Client ID: M-4 4
Site: Dexter Chemical

Lab Sample No: 49335
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0660.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 10.4

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: M-4 4
Site: Dexter Chemical

Lab Sample No: 49335
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3619.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Analytical Results
Units: ug/kg
(Dry Weight)

Quantitation
Limit
Units: ug/kg

Parameter

N-Nitrosodimethylamine	ND	370
bis(2-Chloroethyl)ether	ND	18
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	18
Hexachloroethane	ND	18
Nitrobenzene	ND	18
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND-	370
1,2,4-Trichlorobenzene	ND	370
Naphthalene	11 J	370
Hexachlorobutadiene	ND	37
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
Dimethylphthalate	ND	370
Acenaphthylene	26 J	370
2,6-Dinitrotoluene	ND	37
Acenaphthene	16 J	370
2,4-Dinitrotoluene	ND	37
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	19 J	370
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	18
Phenanthrene	290 J	370
Anthracene	46 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	470	370
Pyrene	390	370
Benzidine	ND	740
Butylbenzylphthalate	ND	370

Client ID: M-4 4
Site: Dexter Chemical

Lab Sample No: 49335
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3619.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	180	18
Chrysene	240 J	370
bis(2-Ethylhexyl)phthalate	300 J	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	250	18
Benzo(k)fluoranthene	96	18
Benzo(a)pyrene	170	18
Indeno(1,2,3-cd)pyrene	130	18
Dibenz(a,h)anthracene	26	18
Benzo(g,h,i)perylene	140 J	370

Client ID: M-4 4
Site: Dexter Chemical

Lab Sample No: 49335
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3619.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10.4

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C20H12 PAH	27.50	310	
2.			
3.			
4.			
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27.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION

310

Client ID: M-4 9.5
Site: Dexter Chemical

Lab Sample No: 49336
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0661.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 31

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		1.4
Bromomethane	ND		1.4
Vinyl Chloride	ND		1.4
Chloroethane	ND		1.4
Methylene Chloride	3.1B		1.4
Trichlorofluoromethane	ND		1.4
1,1-Dichloroethene	ND		1.4
1,1-Dichloroethane	ND		1.4
trans-1,2-Dichloroethene	ND		1.4
cis-1,2-Dichloroethene	ND		1.4
Chloroform	ND		1.4
1,2-Dichloroethane	ND		1.4
1,1,1-Trichloroethane	23		1.4
Carbon Tetrachloride	ND		1.4
Bromodichloromethane	ND		1.4
1,2-Dichloropropane	ND		1.4
cis-1,3-Dichloropropene	ND		1.4
Trichloroethene	2.1		1.4
Dibromochloromethane	ND		1.4
1,1,2-Trichloroethane	ND		1.4
Benzene	ND		1.4
trans-1,3-Dichloropropene	ND		1.4
2-Chloroethyl Vinyl Ether	ND		1.4
Bromoform	ND		1.4
Tetrachloroethene	19		1.4
1,1,2,2-Tetrachloroethane	ND		1.4
Toluene	1.9		1.4
Chlorobenzene	ND		1.4
Ethylbenzene	ND		1.4
Xylene (Total)	1.0J		1.4

Client ID: M-4 9.5
Site: Dexter Chemical

Lab Sample No: 49336
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0661.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 31.2

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Siloxane	18.93	7.4	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

7.4

Client ID: M-4 9.5
Site: Dexter Chemical

Lab Sample No: 49336
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3620.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 31

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg

N-Nitrosodimethylamine	ND	480
bis(2-Chloroethyl)ether	ND	24
1,3-Dichlorobenzene	ND	480
1,4-Dichlorobenzene	ND	480
1,2-Dichlorobenzene	ND	480
bis(2-chloroisopropyl)ether	ND	480
N-Nitroso-di-n-propylamine	ND	24
Hexachloroethane	ND	24
Nitrobenzene	ND	24
Isophorone	ND	480
bis(2-Chloroethoxy)methane	ND	480
1,2,4-Trichlorobenzene	ND	480
Naphthalene	11 J	480
Hexachlorobutadiene	ND	48
Hexachlorocyclopentadiene	ND	480
2-Chloronaphthalene	ND	480
Dimethylphthalate	ND	480
Acenaphthylene	21 J	480
2,6-Dinitrotoluene	ND	48
Acenaphthene	ND	480
2,4-Dinitrotoluene	ND	48
Diethylphthalate	ND	480
4-Chlorophenyl-phenylether	ND	480
Fluorene	ND	480
N-Nitrosodiphenylamine	ND	480
4-Bromophenyl-phenylether	ND	480
Hexachlorobenzene	ND	24
Phenanthrene	31 J	480
Anthracene	13 J	480
Di-n-butylphthalate	ND	480
Fluoranthene	59 J	480
Pyrene	57 J	480
Benzidine	ND	960
Butylbenzylphthalate	ND	480

Client ID: M-4 9.5
Site: Dexter Chemical

Lab Sample No: 49336
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3620.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 31

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine	ND		960
Benzo(a)anthracene	49		24
Chrysene	60	J	480
bis(2-Ethylhexyl)phthalate	ND		480
Di-n-octylphthalate	ND		480
Benzo(b)fluoranthene	82		24
Benzo(k)fluoranthene	30		24
Benzo(a)pyrene	60		24
Indeno(1,2,3-cd)pyrene	44		24
Dibenz(a,h)anthracene	12	J	24
Benzo(g,h,i)perylene	54	J	480

Client ID: M-4 9.5
Site: Dexter Chemical

Lab Sample No: 49336
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3620.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 31.2

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Alkane	22.42	580	
2. Unknown Alkane	23.04	780	
3. Unknown Alkane	23.63	1000	
4. Unknown	23.86	470	
5. Unknown Alkane	24.20	1600	
6. Unknown	24.41	610	
7. Unknown Alkane	24.77	2300	
8. Unknown Alkane	25.39	2100	
9. Unknown Alkane	26.10	2100	
10. Unknown Alkane	26.93	1800	
11. Unknown Alkane	27.91	1700	
12. Unknown Alkane	29.09	1300	
13. Unknown Alkane	30.52	1100	
14. Unknown Alkane	32.25	690	
15. Unknown	35.28	660	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

18790

Client ID: MW-3 8-9
Site: Dexter Chemical

Lab Sample No: 49337
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0662.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	Analytical Results Units: ug/kg (Dry Weight)	Quantitation
		Limit Units: ug/kg
Chloromethane	ND	1.1
Bromomethane	ND	1.1
Vinyl Chloride	ND	1.1
Chloroethane	ND	1.1
Methylene Chloride	1.7B	1.1
Trichlorofluoromethane	ND	1.1
1,1-Dichloroethene	ND	1.1
1,1-Dichloroethane	ND	1.1
trans-1,2-Dichloroethene	ND	1.1
cis-1,2-Dichloroethene	ND	1.1
Chloroform	ND	1.1
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	1.3	1.1
Carbon Tetrachloride	ND	1.1
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	1.1
Trichloroethene	ND	1.1
Dibromochloromethane	ND	1.1
1,1,2-Trichloroethane	ND	1.1
Benzene	ND	1.1
trans-1,3-Dichloropropene	ND	1.1
2-Chloroethyl Vinyl Ether	ND	1.1
Bromoform	ND	1.1
Tetrachloroethene	0.6J	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	1.5	1.1
Chlorobenzene	ND	1.1
Ethylbenzene	5.7	1.1
Xylene (Total)	38	1.1

Client ID: MW-3_8-9
Site: Dexter Chemical

Lab Sample No: 49337
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: VOAMS8.i
Lab File ID: j0662.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 12.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Trimethylbenzene isomer	17.41	110	
2. Ethyldimethylbenzene isomer/Cycloalkan	18.18	75	
3. Diethylbenzene isomer/Alkane	18.65	100	
4. Ethyldimethylbenzene isomer	19.08	53	
5. Ethyldimethylbenzene isomer	19.75	130	
6. 2,3-dihydro-methyl-1H-Indene isomer/C1	20.18	92	
7. Ethyldimethylbenzene isomer	20.36	55	
8. Tetrahydronaphthalene isomer	20.73	100	
9. C14H30 Alkane	20.95	52	
10. Tetrahydromethylnaphthalene isomer	22.24	67	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

834

Client ID: MW-3_8-9
Site: Dexter Chemical

Lab Sample No: 49337
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3621.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 2.0
% Moisture: 12.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Alkane	19.22	2800	
2. Nonylphenol isomer	19.68	5800	
3. Nonylphenol isomer	19.76	7400	
4. Nonylphenol isomer	19.83	11000	
5. Nonylphenol isomer	19.88	7600	
6. Nonylphenol isomer	19.92	4700	
7. Unknown	19.96	3000	
8. Unknown	19.98	2900	
9. Nonylphenol isomer	20.01	2700	
10. Nonylphenol isomer	20.06	7400	
11. Nonylphenol isomer	20.13	6900	
12. Unknown	20.16	3300	
13. Unknown	20.19	4800	
14. Unknown	20.44	2800	
15. Unknown	27.91	4900	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

78000

Client ID: MW-3 13.5-14
Site: Dexter Chemical

Lab Sample No: 49338
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/26/98
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a3379.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 63.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Propane, 2,2'-oxybis-	8.09	32	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
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16.			
17.			
18.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

32

Client ID: MW-3 13.5-14
Site: Dexter Chemical

Lab Sample No: 49338
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3624.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 64

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	4600
bis(2-Chloroethyl) ether	ND	230
1,3-Dichlorobenzene	ND	4600
1,4-Dichlorobenzene	ND	4600
1,2-Dichlorobenzene	ND	4600
bis(2-chloroisopropyl) ether	ND	4600
N-Nitroso-di-n-propylamine	ND	230
Hexachloroethane	ND	230
Nitrobenzene	ND	230
Isophorone	ND	4600
bis(2-Chloroethoxy) methane	ND	4600
1,2,4-Trichlorobenzene	ND	4600
Naphthalene	110 J	4600
Hexachlorobutadiene	ND	460
Hexachlorocyclopentadiene	ND	4600
2-Chloronaphthalene	ND	4600
Dimethylphthalate	ND	4600
Acenaphthylene	ND	4600
2,6-Dinitrotoluene	ND	460
Acenaphthene	ND	4600
2,4-Dinitrotoluene	ND	460
Diethylphthalate	ND	4600
4-Chlorophenyl-phenylether	ND	4600
Fluorene	ND	4600
N-Nitrosodiphenylamine	ND	4600
4-Bromophenyl-phenylether	ND	4600
Hexachlorobenzene	ND	230
Phenanthrene	230 J	4600
Anthracene	ND	4600
Di-n-butylphthalate	ND	4600
Fluoranthene	410 J	4600
Pyrene	360 J	4600
Benzidine	ND	9100
Butylbenzylphthalate	ND	4600

Client ID: MW-3_13.5-14
Site: Dexter Chemical

Lab Sample No: 49338
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3624.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 64

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3'-Dichlorobenzidine		ND	9100
Benzo(a)anthracene	240		230
Chrysene	210	J	4600
bis(2-Ethylhexyl)phthalate		ND	4600
Di-n-octylphthalate		ND	4600
Benzo(b)fluoranthene	260		230
Benzo(k)fluoranthene	130	J	230
Benzo(a)pyrene	180	J	230
Indeno(1,2,3-cd)pyrene		ND	230
Dibenz(a,h)anthracene		ND	230
Benzo(g,h,i)perylene		ND	4600

Client ID: MW-3 13.5-14
Site: Dexter Chemical

Lab Sample No: 49338
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3624.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 63.9

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C25H52 Alkane	24.77	24000	
2. Unknown Alkane	25.38	16000	
3. Unknown Alkane	26.10	34000	
4. Unknown Alkane	26.93	4100	
5. Unknown Alkane	27.90	13000	
6. Unknown Alkane	30.52	5700	
7. Unknown	30.65	4400	
8. Unknown	30.90	7200	
9. Unknown	32.81	8200	
10. ERGOST-5-EN-3.BETA.-OL	33.41	25000	
11. Epiergostanol	33.68	7800	
12. Unknown Sterol	33.95	6300	
13. Unknown	34.55	11000	
14. Unknown	35.47	210000	
15. Unknown	35.85	83000	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

459700

Client ID: MW-6_7-8
Site: Dexter Chemical

Lab Sample No: 49339
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c8512.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14

VOLATILE ORGANICS - GC/MS
METHOD 8240B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND		150
Bromomethane	ND		150
Vinyl Chloride	ND		150
Chloroethane	ND		150
Methylene Chloride	ND		150
Trichlorofluoromethane	ND		150
1,1-Dichloroethene	ND		150
1,1-Dichloroethane	ND		150
trans-1,2-Dichloroethene	ND		150
cis-1,2-Dichloroethene	ND		150
Chloroform	ND		150
1,2-Dichloroethane	ND		150
1,1,1-Trichloroethane	ND		150
Carbon Tetrachloride	ND		150
Bromodichloromethane	ND		150
1,2-Dichloropropane	ND		150
cis-1,3-Dichloropropene	ND		150
Trichloroethene	ND		150
Dibromochloromethane	ND		150
1,1,2-Trichloroethane	ND		150
Benzene	ND		150
trans-1,3-Dichloropropene	ND		150
2-Chloroethyl Vinyl Ether	ND		150
Bromoform	ND		150
Tetrachloroethene	ND		150
1,1,2,2-Tetrachloroethane	ND		150
Toluene	ND		150
Chlorobenzene	ND		150
Ethylbenzene	ND		150
Xylene (Total)	ND		150

Client ID: MW-6 7-8
Site: Dexter Chemical

Lab Sample No: 49339
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/21/98
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c8512.d

Matrix: SOIL
Level: HIGH
Sample Weight: 4.0 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. C10H22 Alkane	14.46	4200	
2. C10H22 Alkane	14.56	4100	
3. Unknown Alkane	14.73	3900	
4. C10H22 Alkane	14.92	5000	
5. C7H12 Hydrocarbon	15.52	2600	
6. C11H24 Alkane	15.74	8200	
7. C10H20 Hydrocarbon	16.20	3900	
8. Decahydronaphthalene isomer	16.82	7400	
9. Unknown	17.53	4100	
10. C10H20 Hydrocarbon	17.77	3400	
11.			
12.			
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16.			
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18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

46800

Client ID: MW-6 7-8
Site: Dexter Chemical

Lab Sample No: 49339
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3625.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
N-Nitrosodimethylamine	ND	380
bis(2-Chloroethyl) ether	ND	19
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl) ether	ND	380
N-Nitroso-di-n-propylamine	ND	19
Hexachloroethane	ND	19
Nitrobenzene	ND	19
Isophorone	ND	380
bis(2-Chloroethoxy) methane	ND	380
1,2,4-Trichlorobenzene	ND	380
Naphthalene	31 J	380
Hexachlorobutadiene	ND	38
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
Dimethylphthalate	ND	380
Acenaphthylene	14 J	380
2,6-Dinitrotoluene	ND	38
Acenaphthene	8.5J	380
2,4-Dinitrotoluene	ND	38
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	19
Phenanthrene	37 J	380
Anthracene	11 J	380
Di-n-butylphthalate	ND	380
Fluoranthene	100 J	380
Pyrene	92 J	380
Benzidine	ND	770
Butylbenzylphthalate	ND	380

Client ID: MW-6_7-8
Site: Dexter Chemical

Lab Sample No: 49339
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3625.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270B

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u> <u>Units: ug/kg</u>
3,3',-Dichlorobenzidine	ND		770
Benzo(a)anthracene	48		19
Chrysene	70 J		380
bis(2-Ethylhexyl)phthalate	82 J		380
Di-n-octylphthalate	ND		380
Benzo(b)fluoranthene	70		19
Benzo(k)fluoranthene	25		19
Benzo(a)pyrene	50		19
Indeno(1,2,3-cd)pyrene	33		19
Dibenz(a,h)anthracene	ND		19
Benzo(g,h,i)perylene	37 J		380

Client ID: MW-6 7-8
Site: Dexter Chemical

Lab Sample No: 49339
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Extracted: 03/20/98
Date Analyzed: 03/25/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q3625.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 14.5

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

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
=====	=====	=====	=====
1. Unknown Alkane	13.05	1400	
2. Unknown Alkane	13.12	1500	
3. Unknown Alkane	13.23	1700	
4. Unknown Alkane	13.28	1500	
5. Unknown Alkane	13.49	1300	
6. Naphthalene, decahydro-, trans-	13.69	1700	
7. Unknown	14.04	1300	
8. Unknown	14.12	1300	
9. Unknown	14.22	1400	
10. Unknown	14.35	1100	
11. C13H28 Alkane	15.30	1500	
12. Unknown Alkane	15.90	1100	
13. Unknown Alkane	23.63	930	
14. Unknown	24.69	1100	
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

18830

Client ID: MW-3 8-9
Site: Dexter Chemical

Lab Sample No: 49337
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98
Date Analyzed: 03/25/98
GC Column: DB624
Instrument ID: BNAGC6.i
Lab File ID: gc6f1837.d

Matrix: SOIL
Level: LOW
Sample Weight: 10.0 g
Extract Final Volume: 10.0 ml
% Moisture: 12.5

ORGANICS - DAI - GC/FID
ALCOHOLS

Analytical Results
Units: ug/kg
(Dry Weight)

Quantitation
Limit
Units: ug/kg

Parameter

Isopropanol

ND

571

Client ID: M-1 8.5
Site: Dexter Chemical

Lab Sample No: 49329
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 18.5

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	2.3	0.69		P
Beryllium	0.32	0.049	B	P
Cadmium	ND	0.098		P
Chromium	15.5	0.27		P
Copper	34.5	0.71		P
Lead	184	0.49	N	P
Mercury	0.10	0.020		CV
Nickel	54.4	0.52		P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	85.2	0.96		P

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

Client ID: M-2 9.5
Site: Dexter Chemical

Lab Sample No: 49330
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 21.7

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	3.2	0.72		P
Beryllium	0.13	0.051	B	P
Cadmium	0.15	0.10	B	P
Chromium	5.0	0.28		P
Copper	53.1	0.74		P
Lead	121	0.51	N	P
Mercury	0.18	0.021		CV
Nickel	10.0	0.54	B	P
Selenium	ND	1.1		P
Silver	ND	0.36		P
Thallium	ND	1.1		P
Zinc	110	1.00		P

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

Client ID: M-1 4
Site: Dexter Chemical

Lab Sample No: 49331
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 10.3

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	0.98	N	P
Arsenic	2.5	0.62		P
Beryllium	0.43	0.045		P
Cadmium	ND	0.089		P
Chromium	20.8	0.25		P
Copper	21.2	0.65		P
Lead	93.0	0.45	N	P
Mercury	0.06	0.019		CV
Nickel	13.6	0.47		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	64.2	0.87		P

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

Client ID: M-2 4
Site: Dexter Chemical

Lab Sample No: 49332
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 11.7

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg <u>(Dry Weight)</u>	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	-ND	1.00	N	P
Arsenic	1.4	0.63		P
Beryllium	0.34	0.045	B	P
Cadmium	ND	0.091		P
Chromium	20.7	0.25		P
Copper	27.4	0.66		P
Lead	69.8	0.45	N	P
Mercury	0.08	0.019		CV
Nickel	18.0	0.48		P
Selenium	ND	0.95		P
Silver	ND	0.32		P
Thallium	ND	1.0		P
Zinc	93.5	0.88		P

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

Client ID: M-3 4
Site: Dexter Chemical

Lab Sample No: 49333
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 11.0

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	0.99	N	P
Arsenic	3.9	0.63		P
Beryllium	0.43	0.045	B	P
Cadmium	0.24	0.090	B	P
Chromium	29.2	0.25		P
Copper	170	0.65		P
Lead	304	0.45	N	P
Mercury	0.18	0.019		CV
Nickel	28.2	0.47		P
Selenium	ND	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	444	0.88		P

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

Client ID: M-3 11.5
Site: Dexter Chemical

Lab Sample No: 49334
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 16.8

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	ND	1.1	N	P
Arsenic	ND	0.67		P
Beryllium	0.76	0.048		P
Cadmium	ND	0.096		P
Chromium	27.4	0.26		P
Copper	51.3	0.70		P
Lead	19.8	0.48	N	P
Mercury	0.05	0.020		CV
Nickel	33.4	0.50		P
Selenium	ND	1.0		P
Silver	ND	0.34		P
Thallium	ND	1.1		P
Zinc	68.6	0.94		P

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

Client ID: M-4 4
Site: Dexter Chemical

Lab Sample No: 49335
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 10.4

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	0.98	N	P
Arsenic	5.8	0.63		P
Beryllium	0.31	0.045	B	P
Cadmium	ND	0.089		P
Chromium	15.6	0.25		P
Copper	32.4	0.65		P
Lead	72.1	0.45	N	P
Mercury	0.13	0.019		CV
Nickel	34.7	0.47		P
Selenium	1.6	0.94		P
Silver	ND	0.31		P
Thallium	ND	1.0		P
Zinc	84.2	0.87		P

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

Client ID: M-4 9.5
Site: Dexter Chemical

Lab Sample No: 49336
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 31.2

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg <u>(Dry Weight)</u>	Instrument Detection <u>Limit</u>	<u>Qual</u>	<u>M</u>
Antimony	- 1.4	1.3	BN	P
Arsenic	14.4	0.81		P
Beryllium	0.57	0.058	B	P
Cadmium	0.31	0.12	B	P
Chromium	17.0	0.32		P
Copper	238	0.84		P
Lead	322	0.58	N	P
Mercury	0.83	0.024		CV
Nickel	21.2	0.61		P
Selenium	3.5	1.2		P
Silver	1.2	0.41	B	P
Thallium	ND	1.3		P
Zinc	771	1.1		P

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

Client ID: MW-3 8-9
Site: Dexter Chemical

Lab Sample No: 49337
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 12.5

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	ND	1.0	N	P
Arsenic	ND	0.64		P
Beryllium	0.56	0.046		P
Cadmium	ND	0.091		P
Chromium	31.9	0.25		P
Copper	38.7	0.66		P
Lead	23.7	0.46	N	P
Mercury	0.03	0.019	B	CV
Nickel	29.7	0.48		P
Selenium	ND	0.96		P
Silver	ND	0.32		P
Thallium	ND	1.0		P
Zinc	82.2	0.89		P

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

Client ID: MW-3 13.5-14
Site: Dexter Chemical

Lab Sample No: 49338
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 63.9

METALS ANALYSIS

<u>Analyte</u>	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	<u>Qual</u>	<u>M</u>
Antimony	- 2.8	2.2	BN	P
Arsenic	8.6	1.4		P
Beryllium	0.19	0.10	B	P
Cadmium	ND	0.20		P
Chromium	56.5	0.55		P
Copper	78.1	1.5		P
Lead	878	1.0	N	P
Mercury	1.2	0.046		CV
Nickel	9.1	1.1	B	P
Selenium	2.5	2.1	B	P
Silver	ND	0.71		P
Thallium	ND	2.3		P
Zinc	51.0	2.0		P

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

Client ID: MW-6 7-8
Site: Dexter Chemical

Lab Sample No: 49339
Lab Job No: C038

Date Sampled: 03/12/98
Date Received: 03/13/98

Matrix: SOLID
Level: LOW
% Moisture: 14.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.0	N	P
Arsenic	ND	0.65		P
Beryllium	0.46	0.047	B	P
Cadmium	ND	0.094		P
Chromium	24.0	0.26		P
Copper	38.1	0.68		P
Lead	22.0	0.47	N	P
Mercury	0.05	0.019		CV
Nickel	17.7	0.49		P
Selenium	ND	0.98		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	56.4	0.91		P

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

Site: Dexter Chemical

Lab Job No: C038

Date Sampled: 3/12/98

Date Received: 3/13/98

Matrix: SOIL

Date Analyzed: 3/23/98

QA Batch: 1334

TOTAL ORGANIC CARBON

Envirotech <u>Sample #</u>	<u>Client ID</u>	<u>% Moisture</u>	<u>Dilution Factor</u>	<u>Analytical Result mg/kg (Dry Wt.)</u>
49338	MW-3_13.5-14	63.9	20	164000

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

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:

<u>Element</u>	<u>Water Test Method</u>		<u>Solid Test Method</u>	
	<u>Flame</u>	<u>Furnace</u>	<u>Flame</u>	<u>Furnace</u>
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.

PROJECT NAME: Dexter Chemical

SITE ADDRESS: Bronx, NY

PAGE 1 OF 1

PROJECT NO: 970910

SAMPLE DATE: 3/12/98

LABORATORY: Envirotech Research

SAMPLER(S): Gary Welsberger / ArClark

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESERVATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS	
0910	M Area	M-1	8.5 FT	soil	PPM, BN, VO		2		
1000	"	M-2	9.5 FT	"	" "		2		
0910	"	M-1	4 FT	"	" "		2		
1000	"	M-2	4 FT	"	" "		2		
1050	"	M-3	4 FT	"	" "		2		
1110	"	M-3	11.5 FT	"	" "		2		
1225	"	M-4	4 FT	"	" "		2		
1240	"	M-4	9.5 FT	"	" "		2		
0848	MW-3	MW-3	8-9 FT	"	PPM, BN, VO, Isopropyl AL.		1		
0907	MW-3	MW-3	13.5-14	"	PPM, BN, VO, TOC		1		
~~1130~~	~~MW-6~~	~~MW-6~~	~~6'-7'~~	~~"~~	~~PPM, BN, VO, TOC~~		~~1~~	~~gaw~~	
11:35	MW-6	MW-6	7'-8'	"	PPM, BN, VO		1		
RELINQUISHED BY: Gary A. Welsberger					DATE: 3-12-98	TIME: 17:01	RECEIVED BY: Gary A. Welsberger	DATE: 3/12/98	TIME: 17:01
RELINQUISHED BY: Gary A. Welsberger					DATE: 3-13-98	TIME: 10:45	RECEIVED BY: Gary A. Welsberger	DATE: 3/13/98	TIME: 10:45

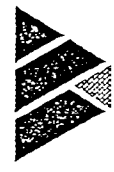
ANALYTICAL PARAMETER IDENTIFICATION KEY:

- 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



**GROUND WATER SAMPLES
COLLECTED MARCH 26, 1998**



ENVIROTECH RESEARCH, INC.

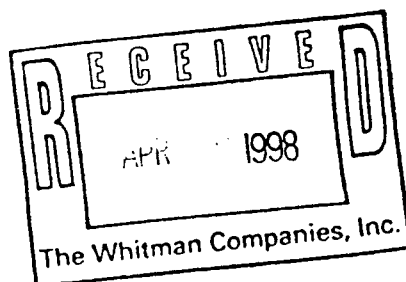
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April 9, 1998

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

Attention: Dr. Ira Whitman

Re: Job No. C407 - Dexter



Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on March 27, 1998:

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
51700	MW-1	PP VOA+10, PP BN+15, PP Metals
51701	MW-2	PP VOA+10, PP BN+15, PP Metals
51702	MW-4	PP VOA+10, PP BN+15, PP Metals
51703	MW-3	PP VOA+10, PP BN+15, Isopropyl Alcohol, PP Metals
51704	MW-5	PP VOA+10, PP BN+15, PP Metals
51705	MW-6	PP VOA+10, PP BN+15, PP Metals
51706	Field_Blank	PP VOA+10, PP BN+15, Isopropyl Alcohol, PP Metals
51707	Trip_Blank	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,

A handwritten signature in black ink, appearing to read "M. J. Urban".

Michael J. Urban
Laboratory Manager

Client ID: MW-1
Site: Dexter

Lab Sample No: 51700
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9545.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
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: MW-1
Site: Dexter

Lab Sample No: 51700
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9545.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.			
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12.			
13.			
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16.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: MW-1
Site: Dexter

Lab Sample No: 51700
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 03/31/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7066.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	0.9
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.1
1,2-Dichlorobenzene	ND	0.9
bis(2-chloroisopropyl)ether	ND	0.8
N-Nitroso-di-n-propylamine	ND	0.8
Hexachloroethane	ND	0.8
Nitrobenzene	ND	1.0
Isophorone	ND	0.8
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.2
Naphthalene	ND	1.0
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	0.4
2-Chloronaphthalene	ND	1.0
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.4
Acenaphthene	ND	0.6
2,4-Dinitrotoluene	ND	0.5
Diethylphthalate	ND	0.3
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.5
N-Nitrosodiphenylamine	ND	0.4
4-Bromophenyl-phenylether	ND	0.4
Hexachlorobenzene	ND	0.4
Phenanthrene	ND	0.3
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.3
Fluoranthene	ND	0.3
Pyrene	ND	0.2
Benzidine	ND	19
Butylbenzylphthalate	ND	0.5

Client ID: MW-1
Site: Dexter

Lab Sample No: 51700
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 03/31/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7066.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND	1.6
Benzo(a)anthracene	ND	0.2
Chrysene	ND	0.3
bis(2-Ethylhexyl)phthalate	ND	1.1
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.1
Benzo(k)fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.1
Indeno(1,2,3-cd)pyrene	ND	0.1
Dibenz(a,h)anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.1

Client ID: MW-1
Site: Dexter

Lab Sample No: 51700
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 03/31/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7066.d

Matrix: WATER
Level: LOW
Sample Volume: 1000 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. Unknown	23.73	13	
2. Unknown	23.96	22	
3. Unknown	25.17	14	
4. Unknown	25.45	14	
5. Unknown	28.38	23	
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

86

Client ID: MW-2
Site: Dexter

Lab Sample No: 51701
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9546.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	0.7	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	1.7	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	0.5	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	3.6	0.1
Ethylbenzene	ND	0.2
Xylene (Total)	ND	1.0

Client ID: MW-2
Site: Dexter

Lab Sample No: 51701
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9546.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. Propane, 2,2'-oxybis-	7.77	7.2	
2. Tetramethylbenzene isomer	17.37	5.6	
3. Unknown Alkane/C10H12 Aromatic	17.73	5.6	
4. Unknown	18.03	8.4	
5. Coeluting Unknowns	18.22	11	
6. Coeluting Unknowns	18.44	7.5	
7. Unknown	18.71	5.4	
8. Coeluting Unknowns	18.89	3.1	
9.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

54

Client ID: MW-2
Site: Dexter

Lab Sample No: 51701
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7067.d

Matrix: WATER
Level: LOW
Sample Volume: 910 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.2
1,2-Dichlorobenzene	ND	1.0
bis(2-chloroisopropyl)ether	ND	0.9
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.9
Nitrobenzene	ND	1.0
Isophorone	ND	0.9
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.3
Naphthalene	ND	1.0
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	0.5
2-Chloronaphthalene	ND	1.1
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.4
Acenaphthene	ND	0.7
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.3
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.6
N-Nitrosodiphenylamine	ND	0.4
4-Bromophenyl-phenylether	ND	0.4
Hexachlorobenzene	ND	0.5
Phenanthrene	ND	0.3
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.3
Fluoranthene	ND	0.3
Pyrene	ND	0.2
Benzidine	ND	21
Butylbenzylphthalate	ND	0.6

Client ID: MW-2
Site: Dexter

Lab Sample No: 51701
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7067.d

Matrix: WATER
Level: LOW
Sample Volume: 910 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND	1.8
Benzo(a)anthracene	ND	0.2
Chrysene	ND	0.3
bis(2-Ethylhexyl)phthalate	ND	1.2
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.1
Benzo(k)fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno(1,2,3-cd)pyrene	ND	0.2
Dibenz(a,h)anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.1

Client ID: MW-2
Site: Dexter

Lab Sample No: 51701
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7067.d

Matrix: WATER
Level: LOW
Sample Volume: 910 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. Nonylphenol isomer	18.75	19	
2. Unknown	18.82	44	
3. Unknown	18.85	31	
4. Nonylphenol isomer	19.17	16	
5. Nonylphenol isomer	19.55	23	
6. Nonylphenol isomer	19.80	14	
7. Unknown	20.83	27	
8. Unknown	20.88	58	
9. Unknown	22.17	23	
10. Unknown	22.42	21	
11. Unknown	22.60	80	
12. Unknown	23.73	46	
13. Unknown	23.96	90	
14. Unknown	25.44	52	
15. Unknown	27.10	23	
16.			
17.			
18.			
19.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

567

Client ID: MW-4
Site: Dexter

Lab Sample No: 51702
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9547.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
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: MW-4
Site: Dexter

Lab Sample No: 51702
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9547.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. Propane, 2,2'-oxybis-	7.77	13	
2. Unknown Silanol	8.25	3.6	
3.			
4.			
5.			
6.			
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8.			
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10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

17

Client ID: MW-4
Site: Dexter

Lab Sample No: 51702
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7068.d

Matrix: WATER
Level: LOW
Sample Volume: 910 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.2
1,2-Dichlorobenzene	ND	1.0
bis(2-chloroisopropyl) ether	ND	0.9
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.9
Nitrobenzene	ND	1.0
Isophorone	ND	0.9
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.3
Naphthalene	ND	1.0
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	0.5
2-Chloronaphthalene	ND	1.1
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.4
Acenaphthene	ND	0.7
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.3
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.6
N-Nitrosodiphenylamine	ND	0.4
4-Bromophenyl-phenylether	ND	0.4
Hexachlorobenzene	ND	0.5
Phenanthrene	ND	0.3
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.3
Fluoranthene	ND	0.3
Pyrene	ND	0.2
Benzidine	ND	21
Butylbenzylphthalate	ND	0.6

Client ID: MW-4
Site: Dexter

Lab Sample No: 51702
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7068.d

Matrix: WATER
Level: LOW
Sample Volume: 910 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u>		<u>Method Detection</u>
	<u>Units: ug/l</u>		<u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND		1.8
Benzo(a)anthracene	ND		0.2
Chrysene	ND		0.3
bis(2-Ethylhexyl)phthalate	ND		1.2
Di-n-octylphthalate	ND		0.4
Benzo(b)fluoranthene	ND		0.1
Benzo(k)fluoranthene	ND		0.2
Benzo(a)pyrene	ND		0.2
Indeno(1,2,3-cd)pyrene	ND		0.2
Dibenz(a,h)anthracene	ND		0.2
Benzo(g,h,i)perylene	ND		0.1

Client ID: MW-4
Site: Dexter

Lab Sample No: 51702
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7068.d

Matrix: WATER
Level: LOW
Sample Volume: 910 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.			
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12.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9548.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
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	0.9	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	6.3	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	12	0.2
Xylene (Total)	110	1.0

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9548.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. 2-Propanone	6.07	180	
2. 2-Propanol	6.23	69	
3. Ethylmethylbenzene isomer	15.28	60	
4. Trimethylbenzene isomer	15.76	62	
5. Trimethylbenzene isomer	16.22	42	
6. Coeluting Aromatics	16.47	45	
7. 2,3-dihydro-methyl-1H-Indene isomer	17.08	27	
8. Tetramethylbenzene isomer	17.37	44	
9. 2,3-dihydro-methyl-1H-Indene isomer	17.92	46	
10. Tetrahydromethylnaphthalene isomer	18.16	45	
11.			
12.			
13.			
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16.			
17.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

620

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7083.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	0.9
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.1
1,2-Dichlorobenzene	ND	1.0
bis(2-chloroisopropyl)ether	ND	0.9
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.8
Nitrobenzene	ND	1.0
Isophorone	ND	0.9
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	4.8	1.2
Naphthalene	20	1.0
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	0.4
2-Chloronaphthalene	ND	1.0
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.4
Acenaphthene	ND	0.6
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.3
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	2.3	0.5
N-Nitrosodiphenylamine	ND	0.4
4-Bromophenyl-phenylether	ND	0.4
Hexachlorobenzene	ND	0.5
Phenanthrene	2.0	0.3
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.3
Fluoranthene	ND	0.3
Pyrene	ND	0.2
Benzidine	ND	20
Butylbenzylphthalate	ND	0.6

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7083.d

Matrix: WATER
Level: LOW
Sample Volume: 960 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	Analytical Result		Method Detection
	<u>Units: ug/l</u>		<u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND		1.7
Benzo(a)anthracene	ND		0.2
Chrysene	ND		0.3
bis(2-Ethylhexyl)phthalate	ND		1.1
Di-n-octylphthalate	ND		0.4
Benzo(b)fluoranthene	ND		0.1
Benzo(k)fluoranthene	ND		0.2
Benzo(a)pyrene	ND		0.1
Indeno(1,2,3-cd)pyrene	ND		0.1
Dibenz(a,h)anthracene	ND		0.2
Benzo(g,h,i)perylene	ND		0.1

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7083.d

Matrix: WATER
Level: LOW
Sample Volume: 960 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. Xylene isomer	10.20	36	
2. Unknown	12.90	31	
3. C10H12 Aromatic	14.51	30	
4. Naphthalene, 1-methyl-	16.31	28	
5. Unknown	18.82	37	
6. Nonylphenol isomer	19.40	36	
7. Nonylphenol isomer	19.49	53	
8. Nonylphenol isomer	19.54	80	
9. Nonylphenol isomer	19.60	52	
10. Nonylphenol isomer	19.64	31	
11. Nonylphenol isomer	19.71	42	
12. Nonylphenol isomer	19.79	48	
13. Nonylphenol isomer	19.84	46	
14. Nonylphenol isomer	19.92	26	
15. Unknown	20.86	39	
16.			
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18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

615

Client ID: MW-5
Site: Dexter

Lab Sample No: 51704
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9560.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u>
		<u>Limit</u> <u>Units: ug/l</u>
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: MW-5
Site: Dexter

Lab Sample No: 51704
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9560.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. Ethane, 1,1'-oxybis-	5.67	4.3	
2. Propane, 2,2'-oxybis-	7.77	14	
3.			
4.			
5.			
6.			
7.			
8.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

18

Client ID: MW-5
Site: Dexter

Lab Sample No: 51704
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7070.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	0.9
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.1
1,2-Dichlorobenzene	ND	1.0
bis(2-chloroisopropyl)ether	ND	0.9
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.8
Nitrobenzene	ND	1.0
Isophorone	ND	0.9
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.2
Naphthalene	ND	1.0
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	0.4
2-Chloronaphthalene	ND	1.0
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.4
Acenaphthene	ND	0.7
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.3
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.5
N-Nitrosodiphenylamine	ND	0.4
4-Bromophenyl-phenylether	ND	0.4
Hexachlorobenzene	ND	0.5
Phenanthrene	2.9	0.3
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.3
Fluoranthene	ND	0.3
Pyrene	0.9	0.2
Benzidine	ND	20
Butylbenzylphthalate	ND	0.6

Client ID: MW-5
Site: Dexter

Lab Sample No: 51704
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7070.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND	1.7
Benzo(a)anthracene	ND	0.2
Chrysene	ND	0.3
bis(2-Ethylhexyl)phthalate	ND	1.1
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.1
Benzo(k)fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.1
Indeno(1,2,3-cd)pyrene	ND	0.1
Dibenz(a,h)anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.1

Client ID: MW-5
Site: Dexter

Lab Sample No: 51704
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7070.d

Matrix: WATER
Level: LOW
Sample Volume: 950 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. Unknown	23.19	13	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
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23.			
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25.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

13

Client ID: MW-6
Site: Dexter

Lab Sample No: 51705
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9550.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u>
		<u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	9.3
Bromomethane	ND	2.7
Vinyl Chloride	ND	3.9
Chloroethane	ND	10
Methylene Chloride	ND	10
Trichlorofluoromethane	ND	2.3
1,1-Dichloroethene	ND	5.5
1,1-Dichloroethane	ND	3.1
trans-1,2-Dichloroethene	ND	3.0
cis-1,2-Dichloroethene	26	10
Chloroform	ND	2.0
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	2.0
Carbon Tetrachloride	ND	1.6
Bromodichloromethane	ND	1.9
1,2-Dichloropropane	38	4.6
cis-1,3-Dichloropropene	ND	3.3
Trichloroethene	ND	4.1
Dibromochloromethane	ND	2.3
1,1,2-Trichloroethane	ND	4.3
Benzene	35	2.4
trans-1,3-Dichloropropene	ND	3.1
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	3.3
Toluene	51	1.8
Chlorobenzene	ND	1.4
Ethylbenzene	110	2.4
Xylene (Total)	630	10

Client ID: MW-6
Site: Dexter

Lab Sample No: 51705
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9550.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
=====	=====	=====	=====
1. Ethylmethylbenzene isomer	15.27	420	
2. Trimethylbenzene isomer	15.34	520	
3. Ethylmethylbenzene isomer	15.60	140	
4. Trimethylbenzene isomer	15.76	1100	
5. Ethyldimethylbenzene isomer	16.00	120	
6. Ethylmethylbenzene isomer	16.22	310	
7. Diethylbenzene isomer	16.46	330	
8. Ethyldimethylbenzene isomer	16.80	150	
9. 2,3-dihydro-methyl-1H-Indene isomer	17.07	120	
10. Tetramethylbenzene isomer	17.38	220	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

3430

Client ID: MW-6
Site: Dexter

Lab Sample No: 51705
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7084.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	3.5
bis(2-Chloroethyl)ether	ND	4.6
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.7
1,2-Dichlorobenzene	ND	4.9
bis(2-chloroisopropyl)ether	ND	4.3
N-Nitroso-di-n-propylamine	ND	4.3
Hexachloroethane	ND	4.1
Nitrobenzene	ND	5.0
Isophorone	ND	4.3
bis(2-Chloroethoxy)methane	ND	5.0
1,2,4-Trichlorobenzene	24	6.1
Naphthalene	68	5.0
Hexachlorobutadiene	ND	2.9
Hexachlorocyclopentadiene	ND	2.2
2-Chloronaphthalene	ND	5.2
Dimethylphthalate	ND	2.5
Acenaphthylene	ND	3.5
2,6-Dinitrotoluene	ND	2.1
Acenaphthene	ND	3.3
2,4-Dinitrotoluene	ND	2.8
Diethylphthalate	68	1.5
4-Chlorophenyl-phenylether	ND	2.9
Fluorene	ND	2.7
N-Nitrosodiphenylamine	ND	2.0
4-Bromophenyl-phenylether	ND	2.1
Hexachlorobenzene	ND	2.3
Phenanthrene	ND	1.5
Anthracene	ND	1.5
Di-n-butylphthalate	ND	1.6
Fluoranthene	ND	1.4
Pyrene	ND	0.9
Benzidine	ND	100
Butylbenzylphthalate	ND	2.8

Client ID: MW-6
Site: Dexter

Lab Sample No: 51705
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7084.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND	8.6
Benzo(a)anthracene	ND	1.0
Chrysene	ND	1.4
bis(2-Ethylhexyl)phthalate	ND	5.7
Di-n-octylphthalate	ND	1.9
Benzo(b)fluoranthene	ND	0.5
Benzo(k)fluoranthene	ND	0.8
Benzo(a)pyrene	ND	0.7
Indeno(1,2,3-cd)pyrene	ND	0.7
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	0.5

Client ID: MW-6
Site: Dexter

Lab Sample No: 51705
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7084.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 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	10.19	200	
2. Ethylmethylbenzene isomer	11.94	140	
3. Trimethylbenzene isomer	12.07	160	
4. Trimethylbenzene isomer	12.47	560	
5. Trimethylbenzene isomer	12.87	230	
6. Methylpropylbenzene isomer	13.25	120	
7. Diethylbenzene isomer	13.32	110	
8. Fenchone	13.79	120	
9. Dimethylphenol isomer	13.96	88	
10. Dimethylphenol isomer	14.39	210	
11. Dimethylphenol isomer	14.62	180	
12. Ethylmethylphenol isomer	15.35	120	
13. Ethylmethylphenol isomer	15.56	120	
14. Unknown	16.95	160	
15. [1,1'-Biphenyl]-ol isomer	18.12	550	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

3068

Client ID: Field_Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9544.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u>
		<u>Limit</u> <u>Units: ug/l</u>
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: Field_Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9544.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: Field_Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7072.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	1.1
1,4-Dichlorobenzene	ND	1.2
1,2-Dichlorobenzene	ND	1.0
bis(2-chloroisopropyl)ether	ND	0.9
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.9
Nitrobenzene	ND	1.1
Isophorone	ND	0.9
bis(2-Chloroethoxy)methane	ND	1.1
1,2,4-Trichlorobenzene	ND	1.3
Naphthalene	ND	1.1
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	0.5
2-Chloronaphthalene	ND	1.1
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.4
Acenaphthene	ND	0.7
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.3
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.6
N-Nitrosodiphenylamine	ND	0.4
4-Bromophenyl-phenylether	ND	0.4
Hexachlorobenzene	ND	0.5
Phenanthrene	ND	0.3
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.3
Fluoranthene	ND	0.3
Pyrene	ND	0.2
Benzidine	ND	22
Butylbenzylphthalate	ND	0.6

Client ID: Field_Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7072.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
3,3'-Dichlorobenzidine	ND	1.8
Benzo(a)anthracene	ND	0.2
Chrysene	ND	0.3
bis(2-Ethylhexyl)phthalate	1.7	1.2
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.1
Benzo(k)fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno(1,2,3-cd)pyrene	ND	0.2
Dibenz(a,h)anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.1

Client ID: Field_Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Extracted: 03/30/98
Date Analyzed: 04/01/98
GC Column: DB-5
Instrument ID: BNAMS3.i
Lab File ID: t7072.d

Matrix: WATER
Level: LOW
Sample Volume: 900 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. Unknown	19.87	12	
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

12

Client ID: Trip_Blank
Site: Dexter

Lab Sample No: 51707
Lab Job No: C407

Date Sampled: 03/25/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9559.d

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

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result	Method Detection
	Units: ug/l	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: Trip_Blank
Site: Dexter

Lab Sample No: 51707
Lab Job No: C407

Date Sampled: 03/25/98
Date Received: 03/27/98
Date Analyzed: 04/01/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v9559.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: MW-1
Site: Dexter

Lab Sample No: 51700
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: ug/l</u>	<u>Instrument Detection Limit</u>	<u>M</u>
Antimony	ND	4.4	P
Arsenic	ND	2.8	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	2.1	1.1	P
Copper	ND	2.9	P
Lead	ND	2.0	P
Mercury	ND	0.10	CV
Nickel	4.2	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	17.4	3.9	P

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

Client ID: MW-2
Site: Dexter

Lab Sample No: 51701
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Instrument Detection</u> <u>Limit</u>	<u>M</u>
Antimony	- ND	4.4	P
Arsenic	3.2	2.8	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	6.6	1.1	P
Copper	3.9	2.9	P
Lead	4.9	2.0	P
Mercury	ND	0.10	CV
Nickel	11.7	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	20.2	3.9	P

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

Client ID: MW-4
Site: Dexter

Lab Sample No: 51702
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: ug/l</u>	<u>Instrument Detection Limit</u>	<u>M</u>
Antimony	ND	4.4	P
Arsenic	ND	2.8	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	1.1	1.1	P
Copper	ND	2.9	P
Lead	ND	2.0	P
Mercury	ND	0.10	CV
Nickel	18.2	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	24.5	3.9	P

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

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: ug/l</u>	<u>Instrument Detection Limit</u>	<u>M</u>
Antimony	ND	4.4	P
Arsenic	4.2	2.8	P
Beryllium	0.28	0.20	P
Cadmium	ND	0.40	P
Chromium	51.9	1.1	P
Copper	17.5	2.9	P
Lead	24.6	2.0	P
Mercury	ND	0.10	CV
Nickel	40.5	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	52.3	3.9	P

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

Client ID: MW-5
Site: Dexter

Lab Sample No: 51704
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: ug/l</u>	<u>Instrument Detection Limit</u>	<u>M</u>
Antimony	ND	4.4	P
Arsenic	ND	2.8	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	15.4	1.1	P
Copper	7.2	2.9	P
Lead	10.8	2.0	P
Mercury	ND	0.10	CV
Nickel	12.5	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	26.9	3.9	P

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

Client ID: MW-6
Site: Dexter

Lab Sample No: 51705
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: ug/l</u>	<u>Instrument Detection Limit</u>	<u>M</u>
Antimony	ND	4.4	P
Arsenic	5.1	2.8	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	26.0	1.1	P
Copper	8.8	2.9	P
Lead	15.0	2.0	P
Mercury	ND	0.10	CV
Nickel	43.1	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	23.5	3.9	P

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

Client ID: Field Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: ug/l</u>	<u>Instrument Detection Limit</u>	<u>M</u>
Antimony	ND	4.4	P
Arsenic	ND	2.8	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	ND	1.1	P
Copper	ND	2.9	P
Lead	ND	2.0	P
Mercury	ND	0.10	CV
Nickel	ND	2.1	P
Selenium	ND	4.2	P
Silver	ND	1.4	P
Thallium	ND	4.5	P
Zinc	10.5	3.9	P

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

Client ID: MW-3
Site: Dexter

Lab Sample No: 51703
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 03/31/98
GC Column: DB624
Instrument ID: BNAGC6.i
Lab File ID: gc6f1913.d

Matrix: WATER
Level: LOW
Injection Volume: 2.0 ul
Dilution Factor: 1.0

ORGANICS - DAI - GC/FID
ALCOHOLS

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Isopropanol	8170	500

Client ID: Field_Blank
Site: Dexter

Lab Sample No: 51706
Lab Job No: C407

Date Sampled: 03/26/98
Date Received: 03/27/98
Date Analyzed: 03/31/98
GC Column: DB624
Instrument ID: BNAGC6.i
Lab File ID: gc6f1914.d

Matrix: WATER
Level: LOW
Injection Volume: 2.0 ul
Dilution Factor: 1.0

ORGANICS - DAI - GC/FID
ALCOHOLS

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/l</u>
Isopropanol	ND	500

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:

<u>Element</u>	<u>Water Test Method</u>		<u>Solid Test Method</u>	
	<u>Flame</u>	<u>Furnace</u>	<u>Flame</u>	<u>Furnace</u>
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.

CHAIN-OF-CUSTODY

PAGE 1 OF 1

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

SITE ADDRESS: Bronx NY
 SAMPLE DATE: 26-MAR-98
 SAMPLER(S): Richard Sorg Gary Weissberger

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESERVATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
8:30	Monitoring Well 1	MW-1		water	PP Metals	H ₂ O ₂	1	
10:15	Monitoring Well 1	MW-1			VOC BN	H ₂ O ₂	4	3-4 Day
11:33	Monitoring Well 2	MW-2			PP Metals	H ₂ O ₂	1	Turn Around
12:20	Monitoring Well 2	MW-2			VOC BN	H ₂ O ₂	6	
13:30	Monitoring Well 4	MW-4			PP Metals	H ₂ O ₂	1	
14:00	Monitoring Well 4	MW-4			VOC BN	H ₂ O ₂	4	
15:20	Monitoring Well 3	MW-3			PP Metals	H ₂ O ₂	1	
15:50	Monitoring Well 3	MW-3			VOC BN, Isopropyl Alcohol	H ₂ O ₂	7	
16:55	Monitoring Well 5	MW-5			PP Metals	H ₂ O ₂	1	
17:20	Monitoring Well 5	MW-5			VOC BN	H ₂ O ₂	4	
18:15	Monitoring Well 6	MW-6			PP Metal	H ₂ O ₂	1	
18:45	Monitoring Well 6	MW-6			VOC BN	H ₂ O ₂	4	
18:30	Field Blank	FB			VOC Isopropyl Alc. Bw PP Metals		8	
	Field Blank	FB			VOC		1	

RELINQUISHED BY: Gary Weissberger DATE: 3-27-98 TIME: 12:50 RECEIVED BY: [Signature] DATE: 3/27 TIME: 12:50

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

TOTAL NO. CONTAINERS

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

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