Confidential Report

Supplemental Report

PCB Litigation - Crystal Springs, Mississippi

3TM International Project Reference: 3TM-DNA-102000-03

prepared for

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Jackson, Mississippi

May 16, 2003

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This Report may contain informational gaps or inconsistencies, or may be otherwise incomplete due to the unavailability or uncertainty of information. Further, this Report in no way suggests a "clean bill of health" for the site(s) assessed, portions of the site(s) assessed, portions of the site(s) not assessed, or that the site(s) is in compliance with any or all environmental or other regulations, except as stated in the Report. 3TM International recommends that additional studies be undertaken, including field sampling and analysis, at the site(s) or portions of the site(s) that may pose present or future environmental liabilities or risks, in order to confirm the nature and extent of such liabilities and risks, if they exist.

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Introduction

This Supplemental Report was prepared to supplement, supercede, and/or add to other reports previously prepared by 3TM International and submitted to David Nutt & Associates in conjunction with the PCB litigation for Crystal Springs, Mississippi.

This Report is a compendium of the results of several tasks performed by 3TM International in relation to this case. These tasks are included in a single Report document, rather than in a series of smaller reports, even though the tasks and information may or may not be interrelated.

This Report provides additional information, data, findings, and opinions in the following areas:

- **Section A** The results of additional sample collection and analytical testing of environmental samples from public areas in Crystal Springs, including:
  - Indoor dust samples collected on November 7 - 8, 2002 from residences in Crystal Springs (results not previously reported)
  - Lake sediment samples collected on February 4, 2003 from Lake Chataqua, in Crystal Springs
  - Surface soil/sediment samples collected on February 5, 2003 from the former Crystal Springs Sewage Treatment Plant
  - Storm water runoff sample collected on February 6, 2003 from the Fulgham Avenue Outfall at the Kuhlman Electric site
  - Surface soil samples collected during the April 11 - 12, 2003 time frame at residences in Crystal Springs
- **Section B** New and revised maps showing the nature and extent of PCB contamination on the Kuhlman Electric property and throughout the community of Crystal Springs. These maps were previously included in the 3TM International report entitled "Environmental Site Assessment; Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi," dated April 4, 2003.
- **Section C** Revised tables showing the number and distribution of environmental samples collected by Kuhlman Electric and/or Borg-Warner and 3TM International. These revised tables include additional samples that were not mentioned in previous reports (e.g., the 3TM International Environmental Site Assessment dated April 4, 2003).
- **Section D** Chart showing the comparison of PCBs by Method 4020 (screening) vs. Method 1668A (high resolution testing by congener) for the April 2003 soil samples. This is a graphical comparison of the PCB results reported by Method 4020 vs. Method 1668A.

Section A – Results of Additional Environmental Testing

Overview

3TM International collected three indoor dust samples on November 7 - 8, 2002 from residences in Crystal Springs. The residential properties sampled include 405 Lee Avenue, 406 Lee Avenue, and 106 Tucker Street. These samples were discussed in the 3TM International report "Summary Report: November 2002 Community Soil and Indoor Dust Sampling Program, April 1, 2003 (G)." However, the testing results from the laboratory were incomplete at the time the report was submitted. Therefore, these results are presented in Section A of this Report.

More extensive analytical testing was conducted on remaining sample aliquots from various samples that were previously tested. The additional testing included PCB analysis by high resolution (Method 1668A). The results of the high resolution testing were incomplete at the time the previous reports were submitted. Therefore, the high resolution testing results were not included in the reports. These results are summarized in Tables 1 through 5, at the end of this Section.

The additional testing was performed on the following samples:

- Lake sediment samples collected on February 4, 2003 from Lake Chataqua, in Crystal Springs
- Surface soil/sediment samples collected on February 5, 2003 from the former Crystal Springs Sewage Treatment Plant
- Storm water runoff sample collected on February 6, 2003 from the Fulgham Avenue Outfall at the Kuhlman Electric site

Sufficient sample aliquot was retained by the laboratory for this additional testing.

Additionally, 3TM International mobilized a support truck, field crew, and field supervisor to the work area on April 11, 2003. The field program was conducted during the April 11 - 12, 2003 time frame, and consisted of collecting 65 surface soil samples at various locations throughout the neighborhood surrounding the Kuhlman Electric Facility. For purposes of this Report, the term "surface soil" is defined as the top layer of soil at a sampling location, generally from 0 to 2 feet below ground surface (bgs).

All samples were collected by representatives of 3TM International using an appropriately decontaminated hand auger. Once samples had been collected using a hand auger, samples were homogenized, labeled, and placed on ice prior to shipment.

All samples were shipped to AXYS Analytical Services in Sidney, British Columbia, Canada for analysis of PCBs by high resolution testing by Method 1668A. Prior to high resolution testing, AXYS sent these samples to En Chem, Inc., located in Green Bay, Wisconsin for PCB screening analysis using Method 4020. Once the screening results were reported, 12 samples were selected for high resolution analysis. Sample CMS-105-S-02 was analyzed as a duplicate. Therefore, a total of 13 soil samples and 4 QA/QC samples were analyzed at AXYS using high resolution testing.

Screening results indicated PCB concentrations in soils ranging from BRL (below analytical laboratory reporting limits) to 3.3 mg/kg or parts-per-million (ppm). High resolution testing results indicated levels of Total PCBs ranging from 0.0129 mg/kg (ppm) to 5.38 mg/kg (ppm) and Total PCBs Toxic Equivalency Quotient (TEQ) ranging from 0.0792 pg/g or parts-per-trillion (ppt) to 75.7 ppt. The results are summarized in Table 5 at the end of this Section.

Sample Locations

Previously, these locations (residences of trial plaintiffs) were only tested using the low resolution testing technique Method 8082. Therefore, the sampling locations were selected in order to characterize the residences for the presence of PCBs using high resolution testing Method 1668A. These locations included:

Site #1
Paulette Welch Residence
501 Camp St.

Site #2
Warren Residence
403 N. Jackson St.

Site #3
Former Vinson Residence
407 N. Jackson St.

Site #4
Edwards Residence
406 Lee Ave.

Site #5
Kellum Residence
412 Lee Ave.

Site #6
Wanda Ward Residence
100 Pearl

Site #7
Orister Harris Residence
311 W. Railroad Ave.

Site #8
Beulah Sojourner Residence
111 McPherson St.

Site #9
Ruby Smith Residence
302 McPherson St.

Site #10
Daniel Graham Residence
103 Tucker St.

Site #11
Esther Terrell Residence
105 Tucker St.

Site #12
Moses Graham Residence
106 Tucker St.

Site #13
Bettie Kendrick Residence
108 Tucker St.

Sample Collection Protocol

The surface soil samples collected during this field campaign were typically collected using a hand

auger. However, additional sampling devices were used during sample collection, including stainless steel spoons, scoops, bowls, etc.

Once the soil or sediment was removed from the ground, the 3TM International field supervisor screened the sample using visual observation and/or odor screening techniques. The field observations were then recorded on the appropriate sampling log. Samples were collected, labeled, and packaged in general accordance with our standard field protocols.

During sample collection activities, a total of three Quality Assurance / Quality Control (QA/QC) samples were collected. These samples consisted of two field blank samples, which were collected in the field, and 1 field rinsate sample that was collected by passing deionized water over the decontaminated equipment and directly into the sample container. In addition, 2 trip blank samples were provided by AXYS. These were kept in the sample cooler with the samples at all times, and were returned to the laboratory with the samples. One of these trip blanks was analyzed.

Decontamination of Sampling Equipment

All sampling equipment used during sample collection was decontaminated prior to sampling at each individual sampling location.

Upon completion of sampling at a location, the sampling tools were decontaminated by manually removing large portions of adhered soils, scrubbing with a Liquinox detergent (a laboratory grade soap), and rinsing with deionized water. This procedure was conducted twice in order to ensure proper decontamination.

The sampler donned new latex gloves before collecting each sample. Care was taken to ensure the utmost integrity of the samples.

Documentation of Sample Collection

Each sampling point and each sample collected were documented in the field by the 3TM International field Supervisor by completing the following forms:

- Sample Collection Logs that document the method of sample collection and various sample-specific aspects of the sample. Soil Sample Collection Logs include documentation of the project and sample point location, sample collection date and time, sample number, method of sample collection, type of soil, quantity of sample collected, sample depth, type of sample container and preservative, name of field supervisor, signature of field supervisor, and similar information. Soil Sample Collection Logs are presented at the end of this Section.

- Site Sketches that document the approximate location of the sampling point. The Site Sketches are shown at the end of this Section.

- Photographic representation was taken at each sampling location to pinpoint where samples were collected in the field. However, due to the large number of photographs, only selected photographs are presented in this Report, since some of the photographs were taken at the same sample collection site but from different camera angles. Photographs are presented at the end of this Section.

- Analytical Testing Chain-of-Custody that documents the handling of samples submitted to all laboratories during the collection, shipping, and testing process. The Chain-of-Custody forms are presented at the end of this Section, along with the analytical testing results.

Analytical Testing Methodology

All soil samples collected during the April 2003 campaign were shipped to AXYS Analytical Services, Ltd. for analysis. AXYS then sub-contracted En Chem, Inc. of Green Bay, Wisconsin to conduct PCB screening (Method 4020) on the samples. AXYS analyzed 12 (and 1 as a duplicate) of the samples for PCBs by high resolution using EPA Method 1668A.

The results of the analytical testing are summarized in Table 5 at the end of this Section.

3TM International has also summary tables of the additional analytical testing results, which are additions to the results previously reported in the earlier 3TM International report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi." dated April 4, 2003. Therefore, the following tables were revised and/or prepared to include the most recent sampling data. These tables are described below.

Table 1 Sample Lot 8 Analytical Testing Results; Indoor Dust Samples (November 2002). These samples were previously discussed in the 3TM International report entitled "Summary Report: November 2002 Community Soil and Indoor Dust Sampling Program, April 1, 2003 (G)." However, the results were incomplete. Therefore, these results were not presented in that report.

Table 2 Sample Lot 9 Analytical Results; Lake Chataqua Sediment Samples. These samples were previously discussed in the 3TM International report entitled "Summary Report: Lake Chataqua Program, April 1, 2003 (H)." However, additional analyses of two samples were requested. Therefore, these results were not presented in that report.

Table 3 Sample Lot 10 Analytical Results; Former Sewage Treatment Plant Samples. These samples were previously discussed in the 3TM International report entitled "Summary Report: Former Sewage Treatment Plant Program, April 1, 2003 (I)." However, additional analyses of two samples were requested. Therefore, these results were not presented in that report.

Table 4 Surface Water Runoff Analytical Results (February 2003). These samples were previously discussed in the 3TM International report entitled "Summary Report: Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi, (April 4, 2003)." However, the results were incomplete. Therefore, these results were not presented in that report.

Table 5 Community Analytical Results; Surface Soil Samples (April 2003). These samples are discussed in Section A of this Report.

Findings

Results of the Indoor Dust Sampling Program

The PCB testing results indicated the following:

- Total PCBs were detected in all three indoor dust samples, and concentrations ranged from 0.102 mg/kg (ppm) at 106 Tucker Street to 0.868 mg/kg (ppm) at 406 Lee Avenue using high resolution testing via Method 1668A.

- PCB TEQs in the indoor dust samples were 6.66 pg/g (ppt) at 405 Lee Avenue, 34.6 pg/g (ppt) at 406 Lee Avenue, and 1.17 pg/g (ppt) at 106 Tucker Street.

The Dioxin/Furan testing results indicated the following:

- Total Dioxins were detected in all three indoor dust samples and ranged from 2520 pg/g (ppt) in CMS-VC-106-1 to 61,200 ppt in CMS-VC-406-1.

- Dioxin TEQs ranged from 7.49 pg/g (ppt) to 390 pg/g (ppt).

Results of the Lake Sediment Sampling Program

The PCB testing results indicated the following:

- Total PCBs were detected in both sediment samples collected at Lake Chataqua. The concentrations detected were 4.52 mg/kg (ppm) for LS-6 and 3.54 mg/kg (ppm) for LS-8 using high resolution via Method 1668A.

- PCB TEQs in the two sediment samples analyzed at AXYS were 77 pg/g (ppt) for LS-6 and 46.2 pg/g (ppt) for LS-8.

Results of the Former Sewage Treatment Plant Sampling Program

The PCB testing results indicated the following:

- Total PCBs were detected in both samples collected at the Former Sewage Treatment Plant. The concentrations detected were 3.06 mg/kg (ppm) for STP-1B and 2.52 mg/kg (ppm) for STP-2A using high resolution testing via Method 1668A.

- PCB TEQs in the two sediment samples analyzed at AXYS were 31.7 pg/g (ppt) for STP-1B and 44.6 pg/g (ppt) for STP-2A.

Results of the Storm Water Runoff Sampling Program

The PCB testing results indicated the following:

- Total PCBs were detected in both runoff samples at a concentration of 1040000 pg/L or parts-

per-quadrillion (ppq).

- PCB TEQs in the two runoff samples were 25 pg/g (ppt) for 231123-01 and 25.5 pg/g (ppt) for 231123-02.

Results of the Soil Sampling Program

The PCB testing results indicated the following:

- PCBs were detected in 22 of 60 samples screened by En Chem, and ranged from Below Reporting Limits (BRL) to 3.3 mg/kg (ppm).

- PCBs were detected in all samples analyzed by AXYS, and indicated levels of Total PCBs ranging from 0.0129 mg/kg (ppm) to 5.38 mg/kg (ppm) and Total PCBs Toxic Equivalency Quotient (TEQ) ranging from 0.0792 pg/g (ppt) to 75.7 pg/g (ppt).

- Concentrations of PCBs greater than 1 mg/kg (ppm) were detected at 3 residential properties, including 406 Lee Avenue and 412 Lee Avenue, and 108 Tucker (based upon AXYS high resolution testing results). This is significant since the Lee Avenue properties have already been remediated by Kuhlman Electric and/or Borg-Warner. Nevertheless, residual PCBs in excess of the MDEQ remediation criteria still exist at these residences.

Significance of Findings

Since the discovery of contamination at the Kuhlman Electric Facility in early 2000, a large number of samples have been collected by Kuhlman Electric and/or Borg-Warner and 3TM International. During these sampling activities, several residential properties were identified that indicated concentrations of PCBs in excess of 1 mg/kg (ppm), the Mississippi Department of Environmental Quality (MDEQ) clean-up criteria for the sites. In accordance with this concentration, Kuhlman Electric and/or Borg-Warner was required to remediate those residential properties to concentrations below 1 mg/kg.

Prior to conducting remediation at the Kuhlman Plant site, remediation was conducted at two residential properties adjacent to the site. These properties are 406 Lee Avenue and 412 Lee Avenue. According to the MDEQ clean-up criteria, a thorough remediation should have been implemented, and the residential properties should have been restored to concentrations below 1 mg/kg. However, based upon the results of the sampling conducted by 3TM International on April 11, 2003, these two properties have not been fully remediated.

The results of 3TM International's April Soil Sampling Campaign indicate that concentrations of PCBs in excess of 1 mg/kg (ppm) are still present at 406 Lee Avenue, based on the data from 4 sampling locations which ranged from 1.7 mg/kg (ppm) to approximately 2.6 mg/kg (ppm) via screening Method 4020. Only one of these samples was analyzed by high resolution Method 1668A (CMS-406-S-02), and this sample indicated 2.2 mg/kg (ppm) of PCB by Method 4020 and 3.2 mg/kg (ppm) by Method 1668A.

Only three samples from 412 Lee Avenue were screened using Method 4020. Of these three, only

two contained PCBs above the detection limit of 0.20 mg/kg (ppm). These concentrations were 0.25 mg/kg (ppm) and 0.78 mg/kg (ppm) at sample locations CMS-412-S-02 and CMS-S-412-03, respectively. Sample CMS-412-S-03 was analyzed by Method 1668A, and indicated a concentration of 1.54 mg/kg (ppm).

High resolution testing (e.g., Method 1668A) generally yields higher contaminant concentrations than low resolution testing (e.g., Method 8082) since it can detect all PCB congeners. Therefore, it can be assumed that the actual concentrations of PCBs may be higher than those indicated by the screening method.

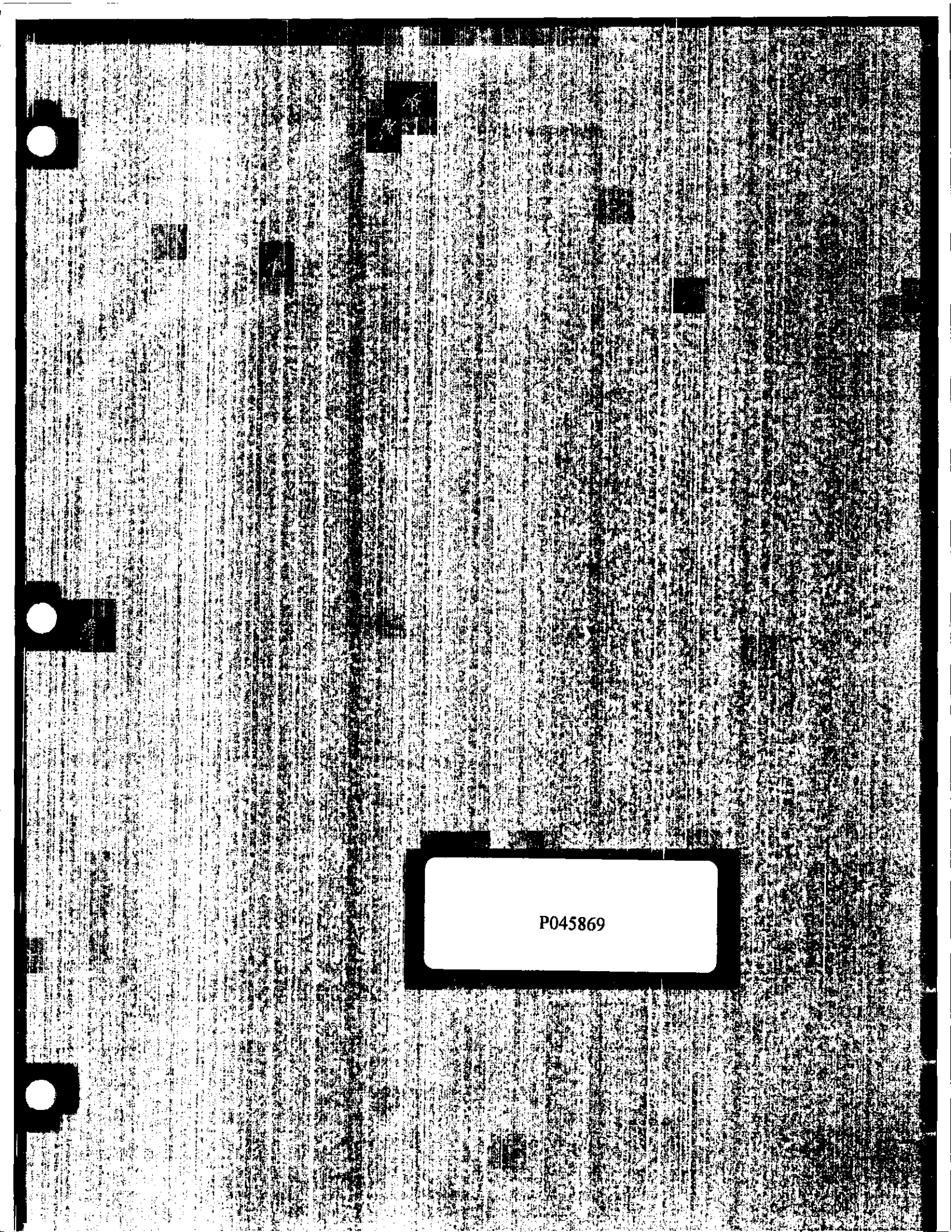
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TABLE 1
Sample Lot 8 Analytical Results
Indoor Dust Samples (November, 2002)

Ref. #	Resident	Sample ID	Address	Collection Date	Matrix	Total PCB mg/kg[1]	PCB TEQ pg/g[2]	Total Dioxin pg/g[3]	Dioxin TEQ pg/g[3]
1	Kevin Frazier	CMS-VC-405-1	405 Lee Ave.	11/7/02	Indoor Dust	0.188	6.66	21100	390
2	Dorothy Edwards	CMS-VC-406-1	406 Lee Ave.	11/8/02	Indoor Dust	0.868	34.6	61200	168
3	Moses Graham	CMS-VC-106-1	106 Tucker St.	11/8/02	Indoor Dust	0.102	1.17	2520	7.49

Notes:

1. PCBs by EPA Method 1668A at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-million (ppm).
2. PCB TEQs by EPA Method 1668A at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-trillion (ppt).
3. Dioxins by EPA Method 1613B at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-trillion (ppt).

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TABLE 2
Sample Lot 9 Analytical Results
Lake Chataqua Sediment Samples

Ref. #	Property	Sample ID	Collection Date	Sample Depth (ft. bgs)	PCB 1260 mg/kg[1]	Total PCB mg/kg[2]	TEQ U=1/2 DL pg/g [3]	TEQ U=0 pg/g [3]
1	Lake Chataqua	LS-1	2/4/03	surface sediment	0.167	NA	NA	NA
2	Lake Chataqua	LS-2	2/4/03	surface sediment	0.602	NA	NA	NA
3	Lake Chataqua	LS-3	2/4/03	surface sediment	0.346	NA	NA	NA
4	Lake Chataqua	LS-4	2/4/03	surface sediment	0.296	NA	NA	NA
5	Lake Chataqua	LS-5	2/4/03	surface sediment	0.667	NA	NA	NA
6	Lake Chataqua	LS-6	2/4/03	surface sediment	2.88 D[4]	4.52	77	74.2
7	Lake Chataqua	LS-7	2/4/03	surface sediment	0.205	NA	NA	NA
8	Lake Chataqua	LS-8	2/4/03	surface sediment	2.06 D	3.54	46.2	43
9	Lake Chataqua	LS-9	2/4/03	surface sediment	0.767	NA	NA	NA

Notes:

1. PCBs by EPA Method 8082 at Xenco Laboratories in Houston, Texas in parts-per-million (ppm).
2. PCBs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-million (ppm).
3. PCB TEQs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-trillion (ppt).
4. A D-Flag indicates that the sample was diluted due to higher concentrations.

NA - Not Analyzed

pg/g is equivalent to parts-per-trillion

P045872

TABLE 3
Sample Lot 10 Analytical Results
Former Sewage Treatment Plant Samples

Ref. #	Property	Sample ID	Location	Collection Date	Sample Depth (ft. bgs)	PCB 1260 mg/kg[1]	Total PCB mg/kg[2]	TEQ U=1/2 DL pg/g [3]	TEQ U=0 pg/g [3]
1	Former Sewage Treatment Plant	STP-1A	Abandoned Clarifier	2/5/03	0-0.5'	1.7	NA	NA	NA
2	Former Sewage Treatment Plant	STP-1B	Abandoned Clarifier	2/5/03	0.5-1'	2.2	3.06	31.7	28.8
3	Former Sewage Treatment Plant	STP-2A	Abandoned Clarifier	2/5/03	0-0.5'	3.3	2.52	44.6	43
4	Former Sewage Treatment Plant	STP-2B	Abandoned Clarifier	2/5/03	0.5-1'	0.494	NA	NA	NA
5	Former Sewage Treatment Plant	STP-3A	Creek behind Former Sewage Treatment Plant	2/5/03	0-0.5'	BRL	NA	NA	NA
6	Former Sewage Treatment Plant	STP-3B	Creek behind Former Sewage Treatment Plant	2/5/03	0.5-1'	BRL	NA	NA	NA
7	Former Sewage Treatment Plant	STP-4A	Creek behind Former Sewage Treatment Plant	2/5/03	0-0.5'	0.0551	NA	NA	NA
8	Former Sewage Treatment Plant	STP-4B	Creek behind Former Sewage Treatment Plant	2/5/03	0.5-1'	BRL	NA	NA	NA

Notes:

1. PCBs by EPA Method 8082 at Xenco Laboratories in Houston, Texas in parts-per-million (ppm).
2. PCBs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-million (ppm).
3. PCB TEQs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-trillion (ppt).

NA - Not Analyzed

pg/g is equivalent to parts-per-trillion

P045873

TABLE 4
Surface Water Runoff Analytical Results (February, 2003)

Ref. #	Location	Sample ID	Address	Collection Date	Matrix	Total PCB pg/L[1]	PCB TEQ pg/L[2]
1	Kuhlman Plant Outfall	231123-01	Fulgham Ave.	2/6/03	Surface Water Runoff	1040000	25
2	Kuhlman Plant Outfall	231123-02	Fulgham Ave.	2/6/03	Surface Water Runoff	1040000	25.5

Notes:

1. PCBs by EPA Method 1668A at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-quadrillion (ppq)
2. PCB TEQs by EPA Method 1668A at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-quadrillion (ppq)

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TABLE 2
Sample Lot 9 Analytical Results
Lake Chataqua Sediment Samples

Ref. #	Property	Sample ID	Collection Date	Sample Depth (ft. bgs)	PCB 1260 mg/kg[1]	Total PCB mg/kg[2]	TEQ U=1/2 DL pg/g [3]	TEQ U=0 pg/g [3]
1	Lake Chataqua	LS-1	2/4/03	surface sediment	0.167	NA	NA	NA
2	Lake Chataqua	LS-2	2/4/03	surface sediment	0.602	NA	NA	NA
3	Lake Chataqua	LS-3	2/4/03	surface sediment	0.346	NA	NA	NA
4	Lake Chataqua	LS-4	2/4/03	surface sediment	0.296	NA	NA	NA
5	Lake Chataqua	LS-5	2/4/03	surface sediment	0.667	NA	NA	NA
6	Lake Chataqua	LS-6	2/4/03	surface sediment	2.88 D[4]	4.52	77	74.2
7	Lake Chataqua	LS-7	2/4/03	surface sediment	0.205	NA	NA	NA
8	Lake Chataqua	LS-8	2/4/03	surface sediment	2.06 D	3.54	46.2	43
9	Lake Chataqua	LS-9	2/4/03	surface sediment	0.767	NA	NA	NA

Notes:

1. PCBs by EPA Method 8082 at Xenco Laboratories in Houston, Texas in parts-per-million (ppm).
2. PCBs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-million (ppm).
3. PCB TEQs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-trillion (ppt).
4. A D-Flag indicates that the sample was diluted due to higher concentrations.

NA - Not Analyzed

pg/g is equivalent to parts-per-trillion

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TABLE 3
Sample Lot 10 Analytical Results
Former Sewage Treatment Plant Samples

Ref. #	Property	Sample ID	Location	Collection Date	Sample Depth (ft. bgs)	PCB 1260 mg/kg[1]	Total PCB mg/kg[2]	TEQ U=1/2 DL pg/g [3]	TEQ U=0 pg/g [3]
1	Former Sewage Treatment Plant	STP-1A	Abandoned Clarifier	2/5/03	0-0.5'	1.7	NA	NA	NA
2	Former Sewage Treatment Plant	STP-1B	Abandoned Clarifier	2/5/03	0.5-1'	2.2	3.06	31.7	28.8
3	Former Sewage Treatment Plant	STP-2A	Abandoned Clarifier	2/5/03	0-0.5'	3.3	2.52	44.6	43
4	Former Sewage Treatment Plant	STP-2B	Abandoned Clarifier	2/5/03	0.5-1'	0.494	NA	NA	NA
5	Former Sewage Treatment Plant	STP-3A	Creek behind Former Sewage Treatment Plant	2/5/03	0-0.5'	BRL	NA	NA	NA
6	Former Sewage Treatment Plant	STP-3B	Creek behind Former Sewage Treatment Plant	2/5/03	0.5-1'	BRL	NA	NA	NA
7	Former Sewage Treatment Plant	STP-4A	Creek behind Former Sewage Treatment Plant	2/5/03	0-0.5'	0.0551	NA	NA	NA
8	Former Sewage Treatment Plant	STP-4B	Creek behind Former Sewage Treatment Plant	2/5/03	0.5-1'	BRL	NA	NA	NA

Notes:

1. PCBs by EPA Method 8082 at Xenco Laboratories in Houston, Texas in parts-per-million (ppm).
2. PCBs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-million (ppm).
3. PCB TEQs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-trillion (ppt).

NA - Not Analyzed

pg/g is equivalent to parts-per-trillion

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TABLE 4
Surface Water Runoff Analytical Results (February, 2003)

Ref. #	Location	Sample ID	Address	Collection Date	Matrix	Total PCB pg/L[1]	PCB TEQ pg/L[2]
1	Kuhlman Plant Outfall	231123-01	Fulgham Ave.	2/6/03	Surface Water Runoff	1040000	25
2	Kuhlman Plant Outfall	231123-02	Fulgham Ave.	2/6/03	Surface Water Runoff	1040000	25.5

Notes:

1. PCBs by EPA Method 1668A at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-quadrillion (ppq)
2. PCB TEQs by EPA Method 1668A at AXYS Analytical Services in Sidney, British Columbia, Canada in parts-per-quadrillion (ppq)

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TABLE 5
Community Analytical Results
Surface Soil Samples (April 2003)

Ref. #	Resident	Sample ID	Address	Collection Date	Matrix	Depth	PCB Screening mg/kg[1]	Total PCB mg/kg[2]	PCB TEQ U = 1/2 pg/g[3]	PCB TEQ U=0 pg/g[3]
1	Paulette Welch	CMS-501-S-01	501 Camp St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
2	Paulette Welch	CMS-501-S-02	501 Camp St.	4/11/03	Soil	0 - 0.5	0.20	NA	NA	NA
3	Paulette Welch	CMS-501-S-03	501 Camp St.	4/11/03	Soil	0 - 0.5	0.23	NA	NA	NA
4	Paulette Welch	CMS-501-S-04	501 Camp St.	4/11/03	Soil	0 - 0.5	0.34	0.553	9.96	9.37
5	Paulette Welch	CMS-501-S-05	501 Camp St.	4/11/03	Soil	0 - 0.5	0.24	NA	NA	NA
6	Warren Residence	CMS-403-S-06	403 N. Jackson St.	4/11/03	Soil	1 - 1.5	<0.20	NA	NA	NA
7	Warren Residence	CMS-403-S-07	403 N. Jackson St.	4/11/03	Soil	1 - 1.5	<0.20	NA	NA	NA
8	Warren Residence	CMS-403-S-08	403 N. Jackson St.	4/11/03	Soil	1 - 1.5	<0.20	NA	NA	NA
9	Warren Residence	CMS-403-S-09	403 N. Jackson St.	4/11/03	Soil	1 - 1.5	0.22	0.131	16.5	16.7
10	Warren Residence	CMS-403-S-10	403 N. Jackson St.	4/11/03	Soil	1 - 1.5	<0.20	NA	NA	NA
11	Former Vinson Residence	CMS-407-S-01	407 N. Jackson St.	4/11/03	Soil	0 - 0.5	0.42	NA	NA	NA
12	Former Vinson Residence	CMS-407-S-02	407 N. Jackson St.	4/11/03	Soil	0 - 0.5	0.48	0.316	26.7	26.3
13	Former Vinson Residence	CMS-407-S-03	407 N. Jackson St.	4/11/03	Soil	0 - 0.5	0.27	NA	NA	NA
14	Former Vinson Residence	CMS-407-S-04	407 N. Jackson St.	4/11/03	Soil	0 - 0.5	0.21	NA	NA	NA
15	Former Vinson Residence	CMS-407-S-05	407 N. Jackson St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
16	Edwards Residence	CMS-406-S-01	406 Lee Ave.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
17	Edwards Residence	CMS-406-S-02	406 Lee Ave.	4/11/03	Soil	0 - 0.5	2.2	3.2	75.7	75.5
18	Edwards Residence	CMS-406-S-03	406 Lee Ave.	4/11/03	Soil	0 - 0.5	1.7	NA	NA	NA
19	Edwards Residence	CMS-406-S-04	406 Lee Ave.	4/11/03	Soil	0 - 0.5	>2.1[4]	NA	NA	NA
20	Edwards Residence	CMS-406-S-05	406 Lee Ave.	4/11/03	Soil	0 - 0.5	2	NA	NA	NA
21	Kellum Residence	CMS-412-S-01	412 Lee Ave.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
22	Kellum Residence	CMS-412-S-02	412 Lee Ave.	4/11/03	Soil	0 - 0.5	0.25	NA	NA	NA
23	Kellum Residence	CMS-412-S-03	412 Lee Ave.	4/11/03	Soil	0 - 0.5	0.78	1.54	66.7	66
24	Kellum Residence	CMS-412-S-04	412 Lee Ave.	4/11/03	Soil	0 - 0.5	NA	NA	NA	NA
25	Kellum Residence	CMS-412-S-05	412 Lee Ave.	4/11/03	Soil	0 - 0.5	NA	NA	NA	NA
26	Wanda Ward	CMS-100-S-01	100 Pearl St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
27	Wanda Ward	CMS-100-S-02	100 Pearl St.	4/11/03	Soil	0 - 0.5	0.25	0.135	7.11	6.65
28	Wanda Ward	CMS-100-S-03	100 Pearl St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
29	Wanda Ward	CMS-100-S-04	100 Pearl St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
30	Wanda Ward	CMS-100-S-05	100 Pearl St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
31	Orister Harris	CMS-311-S-11	311 W. Railroad Ave.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
32	Orister Harris	CMS-311-S-12	311 W. Railroad Ave.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
33	Orister Harris	CMS-311-S-13	311 W. Railroad Ave.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
34	Orister Harris	CMS-311-S-14	311 W. Railroad Ave.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
35	Orister Harris	CMS-311-S-15	311 W. Railroad Ave.	4/11/03	Soil	0 - 0.5	0.28	0.174	8.56	8.49
36	Beulah Sojourner	CMS-111-S-06	111 McPherson St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
37	Beulah Sojourner	CMS-111-S-07	111 McPherson St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
38	Beulah Sojourner	CMS-111-S-08	111 McPherson St.	4/11/03	Soil	0 - 0.5	<0.20	0.0427	1.73	1.6
39	Beulah Sojourner	CMS-111-S-09	111 McPherson St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA

TABLE 5
Community Analytical Results
Surface Soil Samples (April 2003)

Ref. #	Resident	Sample ID	Address	Collection Date	Matrix	Depth	PCB Screening mg/kg[1]	Total PCB mg/kg[2]	PCB TEQ U = 1/2 pg/g[3]	PCB TEQ U=0 pg/g[3]
40	Beulah Sojourner	CMS-111-S-10	111 McPherson St.	4/11/03	Soil	0 - 0.5	<0.20	NA	NA	NA
41	Ruby Smith	CMS-302-S-01	302 McPherson St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
42	Ruby Smith	CMS-302-S-02	302 McPherson St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
43	Ruby Smith	CMS-302-S-03	302 McPherson St.	4/12/03	Soil	0 - 0.5	<0.20	0.0235	0.298	0.0789
44	Ruby Smith	CMS-302-S-04	302 McPherson St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
45	Ruby Smith	CMS-302-S-05	302 McPherson St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
46	Daniel Graham	CMS-103-S-01	103 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
47	Daniel Graham	CMS-103-S-02	103 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
48	Daniel Graham	CMS-103-S-03	103 Tucker St.	4/12/03	Soil	0 - 0.5	0.23	0.0129	0.16	0.0471
49	Daniel Graham	CMS-103-S-04	103 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
50	Daniel Graham	CMS-103-S-05	103 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
51	Esther Terrell	CMS-105-S-01	105 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
52	Esther Terrell	CMS-105-S-02	105 Tucker St.	4/12/03	Soil	0 - 0.5	0.23	0.0241	0.611	0.0893
53	Esther Terrell	CMS-105-S-02**	105 Tucker St.	4/12/03	Soil	0 - 0.5	0.23	0.0204	0.617	0.0792
54	Esther Terrell	CMS-105-S-03	105 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
55	Esther Terrell	CMS-105-S-04	105 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
56	Esther Terrell	CMS-105-S-05	105 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
57	Moses Graham	CMS-106-S-11	106 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
58	Moses Graham	CMS-106-S-12	106 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
59	Moses Graham	CMS-106-S-13	106 Tucker St.	4/12/03	Soil	0 - 0.5	0.26	NA	NA	NA
60	Moses Graham	CMS-106-S-14	106 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
61	Moses Graham	CMS-106-S-15	106 Tucker St.	4/12/03	Soil	0 - 0.5	<0.20	NA	NA	NA
62	Bettie Kendrick	CMS-108-S-06	108 Tucker St.	4/12/03	Soil	1 - 1.5	3.3	5.38	65.8	59.1
63	Bettie Kendrick	CMS-108-S-07	108 Tucker St.	4/12/03	Soil	1 - 1.5	NA	NA	NA	NA
64	Bettie Kendrick	CMS-108-S-08	108 Tucker St.	4/12/03	Soil	1 - 1.5	NA	NA	NA	NA
65	Bettie Kendrick	CMS-108-S-09	108 Tucker St.	4/12/03	Soil	1 - 1.5	NA	NA	NA	NA
66	Bettie Kendrick	CMS-108-S-10	108 Tucker St.	4/12/03	Soil	1 - 1.5	NA	NA	NA	NA
67	Not Applicable	Field Blank - 1	Not Applicable	4/11/03	Water	N/A	NA	0.000414	0.139	0.0024
68	Not Applicable	Field Blank - 2	Not Applicable	4/12/03	Water	N/A	NA	0.000488	0.257	0.0031
69	Not Applicable	Trip Blank	Not Applicable	N/A	Water	N/A	NA	0.000257	0.154	0.00213
70	Not Applicable	Equipment Rinsate	Not Applicable	4/11/03	Water	N/A	NA	0.000273	0.0975	0.00103

Notes:

1. PCB screening results performed by Method 4020 at En Chem, Inc. in Green Bay, Wisconson, reported in parts-per-million (ppm).
2. PCBs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-million (ppm).
3. PCB TEQs by Method 1668A at AXYS Analytical Services of Sydney, British Columbia, Canada in parts-per-trillion (ppt).
4. Estimated concentration of 2.6 ppm

** Duplicate Analysis

P045877

Sample Collection Logs

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1245

Sample Location: 501 Camp St.

Sample ID: CMS-501-S-01

Boring Number: CMS-501-S-01

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to _0.5____ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly clayey silt

Sample Color: Red/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045879

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1255

Sample Location: 501 Camp St.

Sample ID: CMS-501-S-02

Boring Number: CMS-501-S-02

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __6___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey silt

Sample Color: Red/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045880

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL

Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1310

Sample Location: 501 Camp St.

Sample ID: CMS-501-S-03

Boring Number: CMS-501-S-03

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey silt

Sample Color: Red/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL

Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1320

Sample Location: 501 Camp St.

Sample ID: CMS-501-S-04

Boring Number: CMS-501-S-04

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey silt

Sample Color: Red/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045882

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1330

Sample Location: 501 Camp St.

Sample ID: CMS-501-S-5

Boring Number: CMS-501-S-5

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey silt

Sample Color: Red/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045883

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1350

Sample Location: 403 N. Jackson St.

Sample ID: CMS-403-S-06

Boring Number: CMS-403-S-06

Terminal Depth of Boring: 18"

Sampling Method: Hand Auger

Sample Depth: __12___ to __18___ Inch bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045884

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1400
Sample Location: 403 N. Jackson St.	Sample ID: CMS-403-S-07
Boring Number: CMS-403-S-07	Terminal Depth of Boring: 18"
Sampling Method: Hand Auger	Sample Depth: __12___ to __18___ inch bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045885

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1410
Sample Location: 403 N. Jackson St.	Sample ID: CMS-403-S-08
Boring Number: CMS-403-S-08	Terminal Depth of Boring: 18"
Sampling Method: Hand Auger	Sample Depth: __1___ to __1.5___ feet bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL

Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1415

Sample Location: 403 N. Jackson St.

Sample ID: CMS-403-S-09

Boring Number: CMS-403-S-09

Terminal Depth of Boring: 18"

Sampling Method: Hand Auger

Sample Depth: ___1__ to __1.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045887

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1425

Sample Location: 403 N. Jackson St.

Sample ID: CMS-403-S-10

Boring Number: CMS-403-S-10

Terminal Depth of Boring: 18"

Sampling Method: Hand Auger

Sample Depth: ___1__ to __1.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045888

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL

Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/11/03

Time of Sampling: 1445

Sample Location: 407 N. Jackson St.

Sample ID: CMS-407-S-01

Boring Number: CMS-407-S-01

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ inch bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045889

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1455

Sample Location: 407 N. Jackson St.

Sample ID: CMS-407-S-02

Boring Number: CMS-407-S-02

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___inch bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045890

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1505

Sample Location: 407 N. Jackson St.

Sample ID: CMS-407-S-03

Boring Number: CMS-407-S-03

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1515
Sample Location: 407 N. Jackson St.	Sample ID: CMS-407-S-04
Boring Number: CMS-407-S-04	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: __0___ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045892

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1530

Sample Location: 407 N. Jackson St.

Sample ID: CMS-407-S-05

Boring Number: CMS-407-S-05

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045893

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1545
Sample Location: 406 Lee Ave.	Sample ID: CMS-406-S-01
Boring Number: CMS-406-S-01	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color: LT Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:
Sample was apparently collected in previously remediated soils.

P045894

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling:1600

Sample Location: 406 Lee Ave.

Sample ID: CMS-406-S-02

Boring Number: CMS-406-S-02

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045895

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1610

Sample Location: 406 Lee Ave.

Sample ID: CMS-406-S-03

Boring Number: CMS-406-S-03

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045896

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1620

Sample Location: 406 Lee Ave.

Sample ID: CMS-406-S-04

Boring Number: CMS-406-S-04

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045897

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1635

Sample Location: 406 Lee Ave.

Sample ID: CMS-406-S-05

Boring Number: CMS-406-S-05

Terminal Depth of Boring 6":

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045898

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs
Site Name: Crystal Springs, MS
Date of Sampling:4/11/03
Time of Sampling: 1650
Sample Location: 412 Lee Ave.
Sample ID: CMS-412-S-01
Boring Number: CMS-412-S-01
Terminal Depth of Boring: 6"
Sampling Method: Hand Auger
Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil
Soil Type: Silty Clay
Sample Color:Tan/Brown
Sample Odor: None
Field Measurements: None
Equipment: Hand Auger
Sample Analysis: PCBs
Analytical Laboratory: AXYS
Sample Container: 500 ml
Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml
Preservative Used: Ice
Weather: Warm & Sunny
Ambient Temperature:70F
Site Conditions: Not Applicable
Photograph Taken: Yes
GPS Longitude: N/A
GPS Latitude:N/A
Field Supervisor: T.J. Dunnahoe
Signature / Date: 5/2/03

Field Observations / Remarks:

P045899

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling 4/11/03:

Time of Sampling: 1700

Sample Location: 412 Lee Ave.

Sample ID: CMS-412-S-02

Boring Number: CMS-412-S-02

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silty lay

Sample Color:Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1710

Sample Location: 412 Lee Ave.

Sample ID: CMS-412-S-03

Boring Number: CMS-412-S-03

Terminal Depth of Boring:

Sampling Method: Hand Auger

Sample Depth: __0___ to ___0.5__ feet bgs

Sample Matrix: Soil

Soil Type: Silty Clay

Sample Color: Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor:T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045901

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1720

Sample Location: 412 Lee Ave.

Sample ID: CMS-412-S-04

Boring Number: CMS-412-S-04

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silty Clay

Sample Color: Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1735

Sample Location: 412 Lee Ave.

Sample ID: CMS-412-S-05

Boring Number: CMS-412-S-05

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silty Clay

Sample Color: Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045903

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1750

Sample Location: 100 Pearl St.

Sample ID: CMS-100-S-01

Boring Number: CMS-100-S-01

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045904

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1810
Sample Location: 100 Pearl St.	Sample ID: CMS-100-S-03
Boring Number: CMS-100-S-03	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1800

Sample Location: 100 Pearl St.

Sample ID: CMS-100-S-02

Boring Number: CMS-100-S-02

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: _____ to _____ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045906

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1820
Sample Location: 100 Pearl St.	Sample ID: CMS-100-S-04
Boring Number: CMS-100-S-04	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: __0___ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color :DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045907

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1830

Sample Location: 100 Pearl St.

Sample ID: CMS-100-S-05

Boring Number: CMS-100-S-05

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color :DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude N/A:

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045908

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1845

Sample Location: 311 W. Railroad Ave.

Sample ID: CMS-311-S-11

Boring Number: CMS-311-S-11

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color:Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045909

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1855
Sample Location: 311 W. Railroad Ave.	Sample ID: CMS-311-S-12
Boring Number: CMS-311-S-12	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: __0___ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Gravelly Clayey Silt
Sample Color: Dk Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude:N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045910

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1915

Sample Location: 311 W. Railroad Ave.

Sample ID: CMS-311-S-13

Boring Number: CMS-311-S-13

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045911

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1925
Sample Location: 311 W. Railroad Ave.	Sample ID: CMS-311-S-14
Boring Number: CMS-311-S-14	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Gravelly Clayey Silt
Sample Color: Dk Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude N/A:	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045912

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling: 1935
Sample Location: 311 W. Railroad Ave.	Sample ID: CMS-311-S-15
Boring Number: CMS-311-S-15	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Gravelly Clayey Silt
Sample Color: Dk Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude:N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045913

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 1945

Sample Location: 111 McPherson St.

Sample ID: CMS-111-S-06

Boring Number: CMS-111-S-06

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/11/03	Time of Sampling:1955
Sample Location: 111 McPherson St.	Sample ID: CMS-111-S-07
Boring Number: CMS-111-S-07	Terminal Depth of Boring: 6"
Sampling Method: Hand Auger	Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045915

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 2010

Sample Location: 111 McPherson St.

Sample ID: CMS-111-S-08

Boring Number: CMS-111-S-08

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling: 2020

Sample Location: 111 McPherson St.

Sample ID: CMS-111-S-09

Boring Number: CMS-111-S-09

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silt

Sample Color :DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature 70F:

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045917

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/11/03

Time of Sampling:2035

Sample Location: 111 McPherson St.

Sample ID: CMS-111-S-10

Boring Number: CMS-111-S-10

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Silt

Sample Color: Dk Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 0840

Sample Location: 302 McPherson St.

Sample ID: CMS-302-S-01

Boring Number: CMS-302-S-01

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color: Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude N/A:

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045919

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 855

Sample Location: 302 McPherson St.

Sample ID: CMS-302-S-02

Boring Number: CMS-302-S-02

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: _0____ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color:Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045920

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 0910

Sample Location: 302 McPherson St.

Sample ID: CMS-302-S-03

Boring Number: CMS-302-S-03

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color: Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045921

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 0925

Sample Location: 302 McPherson St.

Sample ID: CMS-302-S-04

Boring Number: CMS-302-S-04

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Sandy Silt

Sample Color: Tan/ Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F:

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 935

Sample Location: 302 McPherson St.

Sample ID: CMS-302-S-05

Boring Number: CMS-302-S-05

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color:Tan/Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045923

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 955

Sample Location: 103 Tucker St.

Sample ID: CMS-103-S-01

Boring Number: CMS-103-S-01

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: 0 to 0.5 feet bgs

Sample Matrix: Soil

Soil Type: Clayey Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling 4/12/03:

Time of Sampling:1010

Sample Location: 103 Tucker St.

Sample ID: CMS-103-S-02

Boring Number: CMS-103-S-02

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Clayey Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor:T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 1025

Sample Location: 103 Tucker St.

Sample ID: CMS-103-S-03

Boring Number: CMS-103-S-03

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Clayey Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken:Yes

GPS Longitude: N/A

GPS Latitude:N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 1040

Sample Location: 103 Tucker St.

Sample ID: CMS-103-S-04

Boring Number: CMS-103-S-04

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Clayey Silt

Sample Color: Dk Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude:N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045927

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling:1055

Sample Location: 103 Tucker St.

Sample ID: CMS-103-S-05

Boring Number: CMS-103-S-05

Terminal Depth of Boring:

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Clayey Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken:Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/12/03	Time of Sampling: 1105
Sample Location: 105 Tucker St.	Sample ID: CMS-105-S-01
Boring Number: CMS-105-S-01	Terminal Depth of Boring:6"
Sampling Method: Hand Auger	Sample Depth: __0___ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Gravelly Clayey Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: warm & Sunny	Ambient Temperature:70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling4/12/03:

Time of Sampling: 1120

Sample Location: 105 Tucker St.

Sample ID: CMS-105-S-02

Boring Number: CMS-105-S-02

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: ___0__ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly clayey Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/12/03	Time of Sampling: 1130
Sample Location: 105 Tucker St.	Sample ID: CMS-105-S-03
Boring Number: CMS-105-S-03	Terminal Depth of Boring:6"
Sampling Method: Hand Auger	Sample Depth: __0___ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Gravelly clayey Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather Warm & Sunny:	Ambient Temperature:70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045931

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 1140

Sample Location: 105 Tucker St.

Sample ID: CMS-105-S-04

Boring Number: CMS-105-S-04

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to _0.5____ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045932

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/12/03	Time of Sampling: 1155
Sample Location: 105 Tucker St.	Sample ID: CMS-105-S-05
Boring Number: CMS-105-S-05	Terminal Depth of Boring:6"
Sampling Method: Hand Auger	Sample Depth: ___0__ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: gravelly Clayey Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature:70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045933

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/12/03	Time of Sampling:1215
Sample Location: 106 Tucker St.	Sample ID: CMS-106-S-11
Boring Number: CMS-106-S-11	Terminal Depth of Boring:6"
Sampling Method: Hand Auger	Sample Depth: __0___ to __0.5___ feet bgs
Sample Matrix: Soil	Soil Type: Gravelly Sandy Silt
Sample Color: Dk Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature:70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J. Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045934

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 1230

Sample Location: 106 Tucker St.

Sample ID: CMS-106-S-12

Boring Number: CMS-106-S-12

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Clayey Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling: 4/12/03

Time of Sampling: 1240

Sample Location: 106 Tucker St.

Sample ID: CMS-106-S-13

Boring Number: CMS-106-S-13

Terminal Depth of Boring: 6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J. Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045936

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling:1250

Sample Location: 106 Tucker St.

Sample ID: CMS-106-S-14

Boring Number: CMS-106-S-14

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to __0.5___ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling:1305

Sample Location: 106 Tucker St.

Sample ID: CMS-106-S-15

Boring Number: CMS-106-S-15

Terminal Depth of Boring:6"

Sampling Method: Hand Auger

Sample Depth: __0___ to _0.5____ feet bgs

Sample Matrix: Soil

Soil Type: Gravelly Sandy Silt

Sample Color :DK BRown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045938

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling 4/12/03:

Time of Sampling:1315

Sample Location: 108 Tucker St.

Sample ID: CMS-108-S-06

Boring Number: CMS-108-S-06

Terminal Depth of Boring:18"

Sampling Method: Hand Auger

Sample Depth: ___0__ to ___0.5__ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature: 70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045939

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling:1325

Sample Location: 108 Tucker St.

Sample ID: CMS-108-S-07

Boring Number: CMS-108-S-07

Terminal Depth of Boring:18"

Sampling Method: Hand Auger

Sample Depth: __1___ to __1.5___ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: DK Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & Sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

P045940

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: Crystal Springs
Site Name: Crystal Springs, MS
Date of Sampling:4/12/03
Time of Sampling: 1340
Sample Location: 108 Tucker St.
Sample ID: CMS-108-S-08
Boring Number: CMS-108-S-08
Terminal Depth of Boring:18"
Sampling Method: Hand Auger
Sample Depth: __1___ to __1.5___ feet bgs
Sample Matrix: Soil
Soil Type: Sandy Silt
Sample Color: DK Brown
Sample Odor: None
Field Measurements: None
Equipment: Hand Auger
Sample Analysis: PCBs
Analytical Laboratory: AXYS
Sample Container: 500 ml
Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml
Preservative Used: Ice
Weather: Warm & Sunny
Ambient Temperature:70F
Site Conditions: Not Applicable
Photograph Taken: Yes
GPS Longitude: N/A
GPS Latitude:N/A
Field Supervisor: T.J Dunnahoe
Signature / Date: 5/2/03

Field Observations / Remarks:

P045941

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

Project Name: . Crystal Springs

Site Name: Crystal Springs, MS

Date of Sampling:4/12/03

Time of Sampling: 1355

Sample Location: 108 Tucker St.

Sample ID: CMS-108-S-09

Boring Number: CMS-108-S-09

Terminal Depth of Boring:18"

Sampling Method: Hand Auger

Sample Depth: _1____ to ___1.5__ feet bgs

Sample Matrix: Soil

Soil Type: Sandy Silt

Sample Color: Dk Brown

Sample Odor: None

Field Measurements: None

Equipment: Hand Auger

Sample Analysis: PCBs

Analytical Laboratory: AXYS

Sample Container: 500 ml

Number of Samples: 1

Sample Quantity Collected: Approx. 250 ml

Preservative Used: Ice

Weather: Warm & sunny

Ambient Temperature:70F

Site Conditions: Not Applicable

Photograph Taken: Yes

GPS Longitude: N/A

GPS Latitude: N/A

Field Supervisor: T.J Dunnahoe

Signature / Date: 5/2/03

Field Observations / Remarks:

SUBSURFACE SOIL SAMPLE COLLECTION LOG

3TM INTERNATIONAL
Houston, Texas

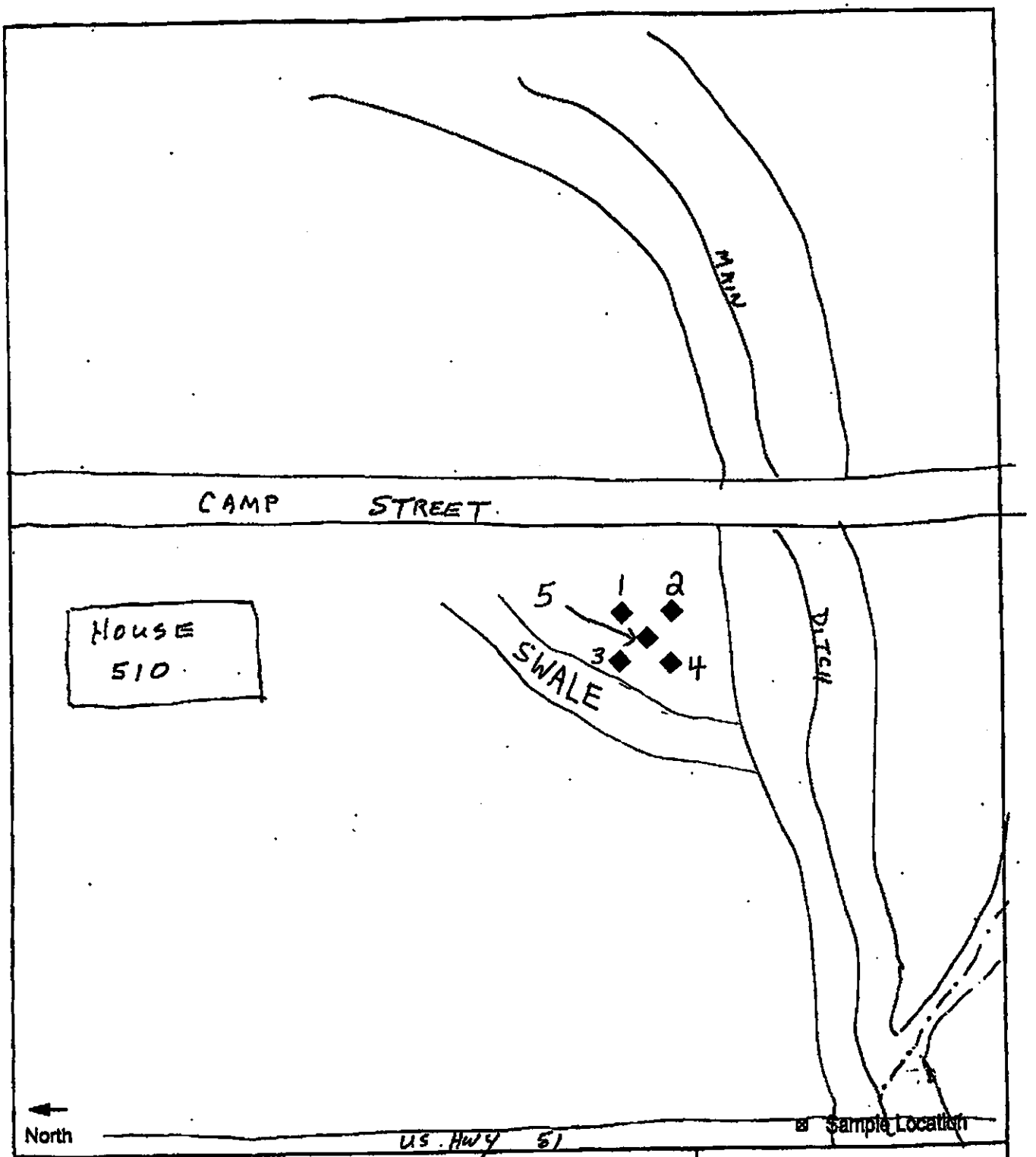
Project Name: Crystal Springs	Site Name: Crystal Springs, MS
Date of Sampling:4/12/03	Time of Sampling: 1405
Sample Location: 108 Tucker St.	Sample ID: CMS-108-S-10
Boring Number: CMS-108-S-10	Terminal Depth of Boring:18"
Sampling Method: Hand Auger	Sample Depth: __1___ to __1.5___ feet bgs
Sample Matrix: Soil	Soil Type: Sandy Silt
Sample Color: DK Brown	Sample Odor: None
Field Measurements: None	Equipment: Hand Auger
Sample Analysis: PCBs	Analytical Laboratory: AXYS
Sample Container: 500 ml	Number of Samples: 1
Sample Quantity Collected: Approx. 250 ml	Preservative Used: Ice
Weather: Warm & Sunny	Ambient Temperature: 70F
Site Conditions: Not Applicable	Photograph Taken: Yes
GPS Longitude: N/A	GPS Latitude: N/A
Field Supervisor: T.J Dunnahoe	Signature / Date: 5/2/03

Field Observations / Remarks:

P045943

P045944

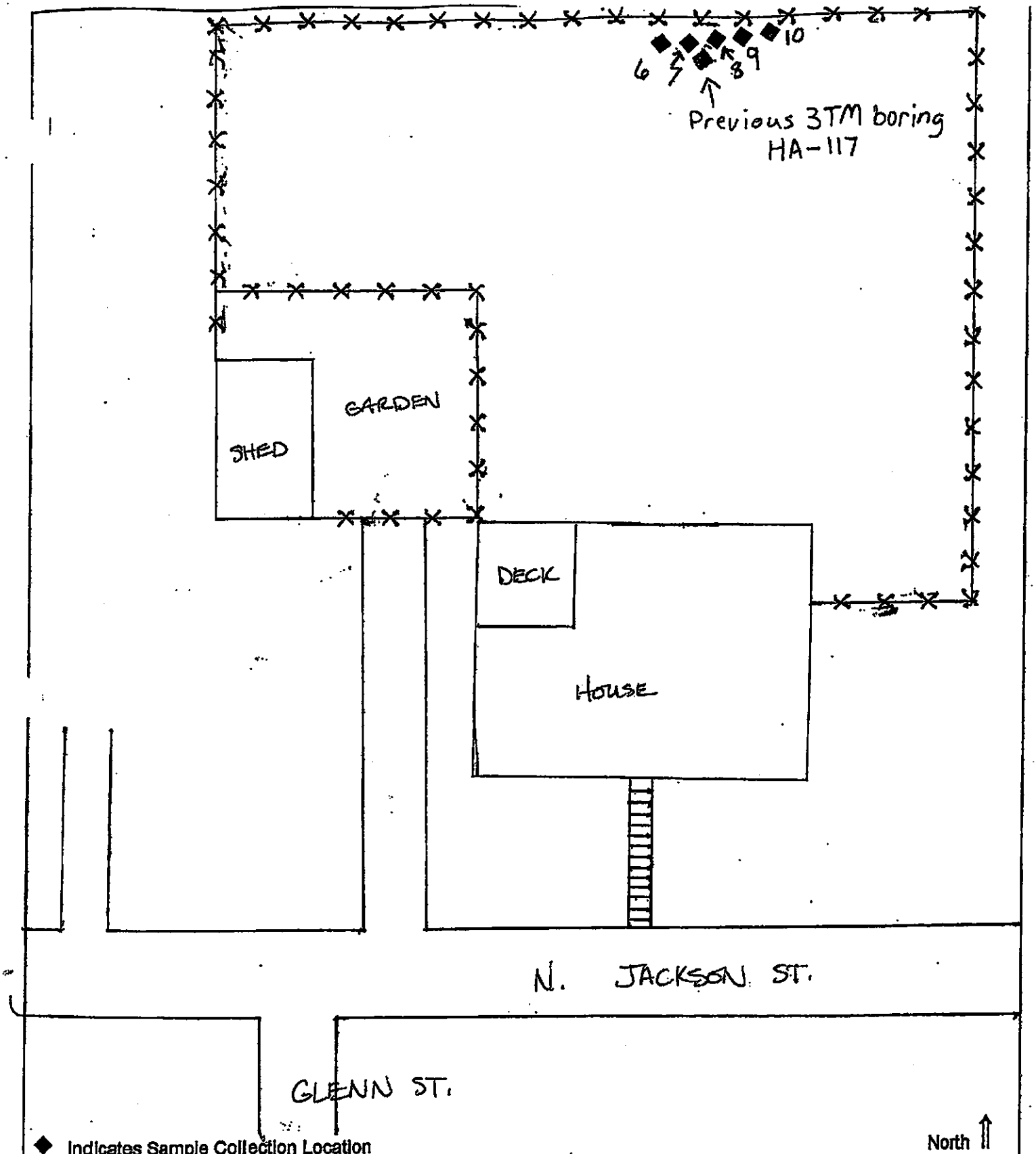
Site Sketch Forms



SITE NAME: 501 Camp St.
SITE LOCATION: Crystal Springs, MS
SAMPLE ID: CMS-501-S-01 through CMS-501-S-05
SAMPLE COLLECTION DATE: 4/11/03

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas



◆ Indicates Sample Collection Location

North

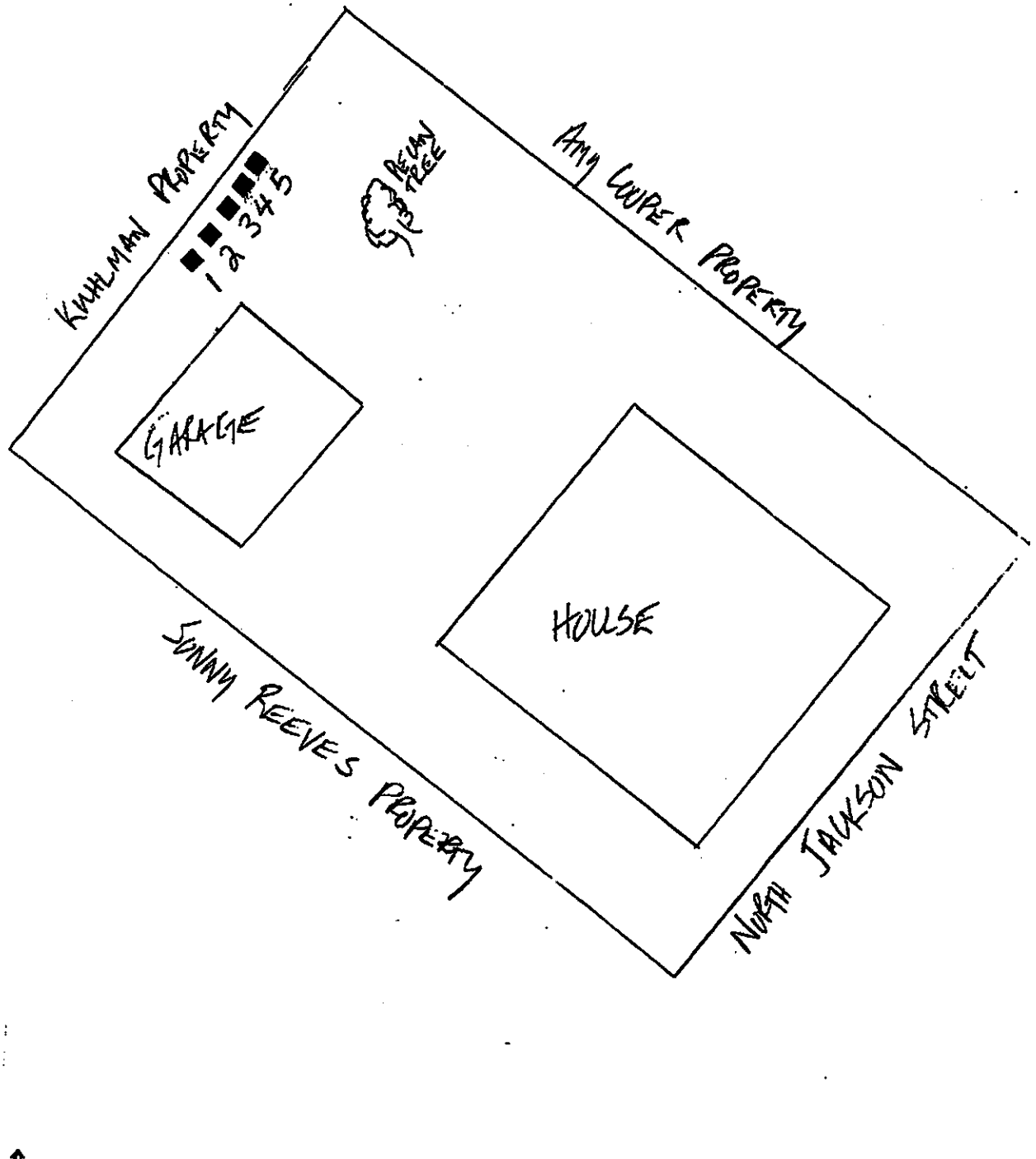
SAMPLE NUMBER: CMS-403-S-06 through CMS-403-S-10
SAMPLE COLLECTION LOCATION: 403 JACKSON ST.
SAMPLE COLLECTION DATE: 4/11/03

P045947

SITE SKETCH

(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas



North ⇑

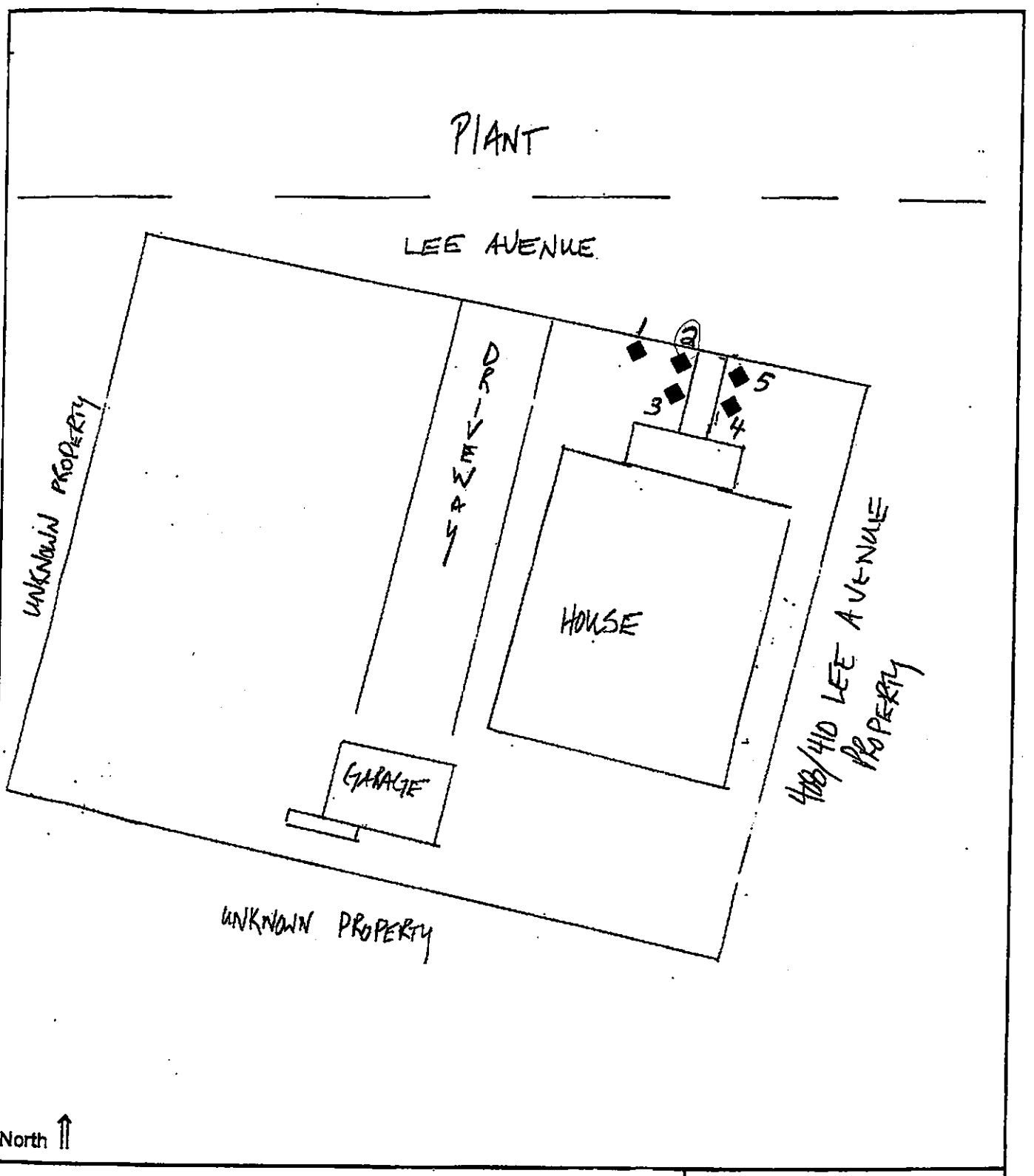
☒ Sample Location

4/11/03

SITE ADDRESS: 407 NORTH JACKSON STREET
SITE LOCATION: Crystal Springs, MS
SAMPLE ID: CMS-407-S-01 through CMS-407-S-05

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas

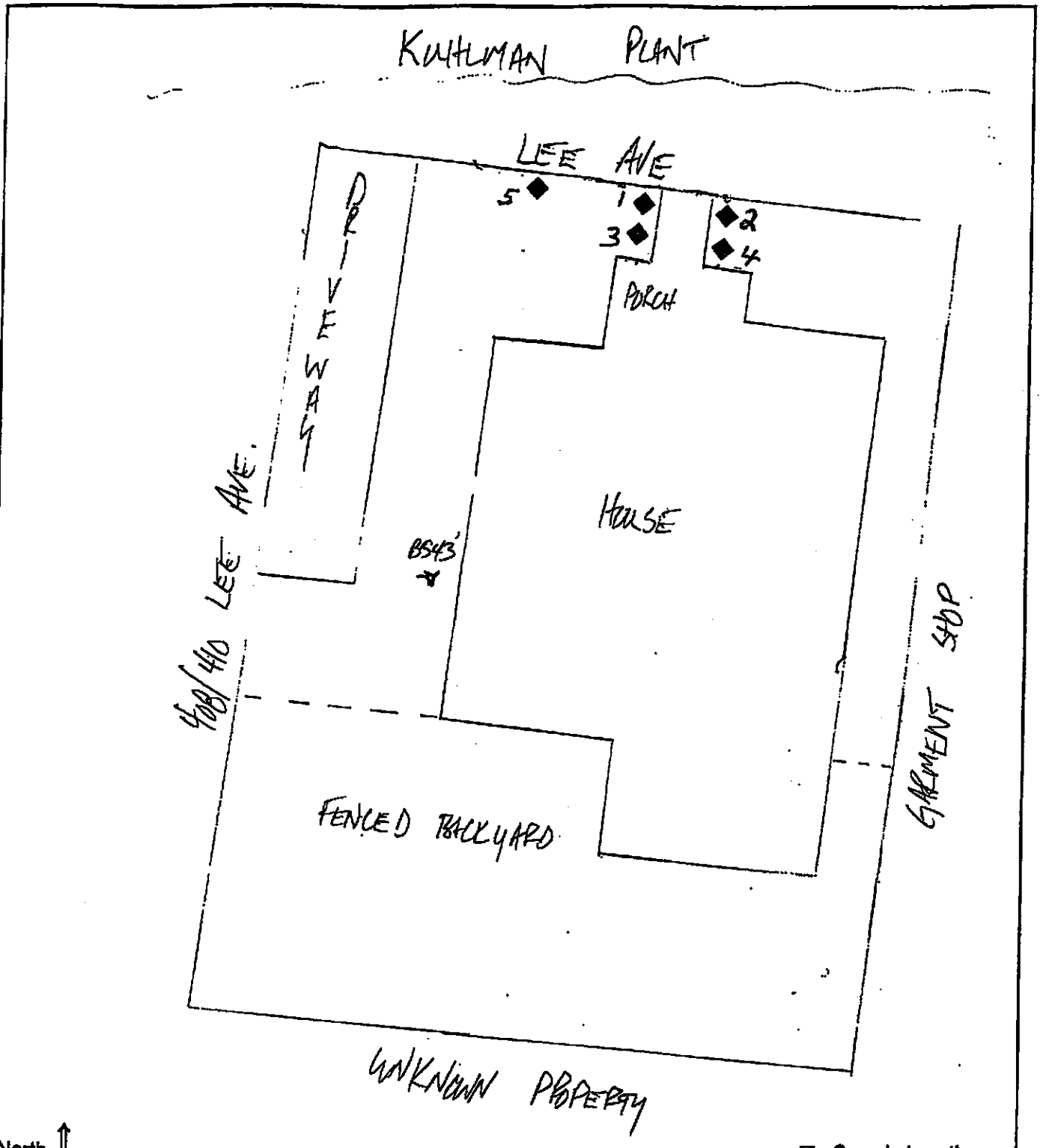


Edwards 4/11/03

SITE ADDRESS: 406 Lee Avenue
SITE LOCATION: Crystal Springs, MS
SAMPLE ID: CMS-406-S-01 through CMS-406-S-05

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas

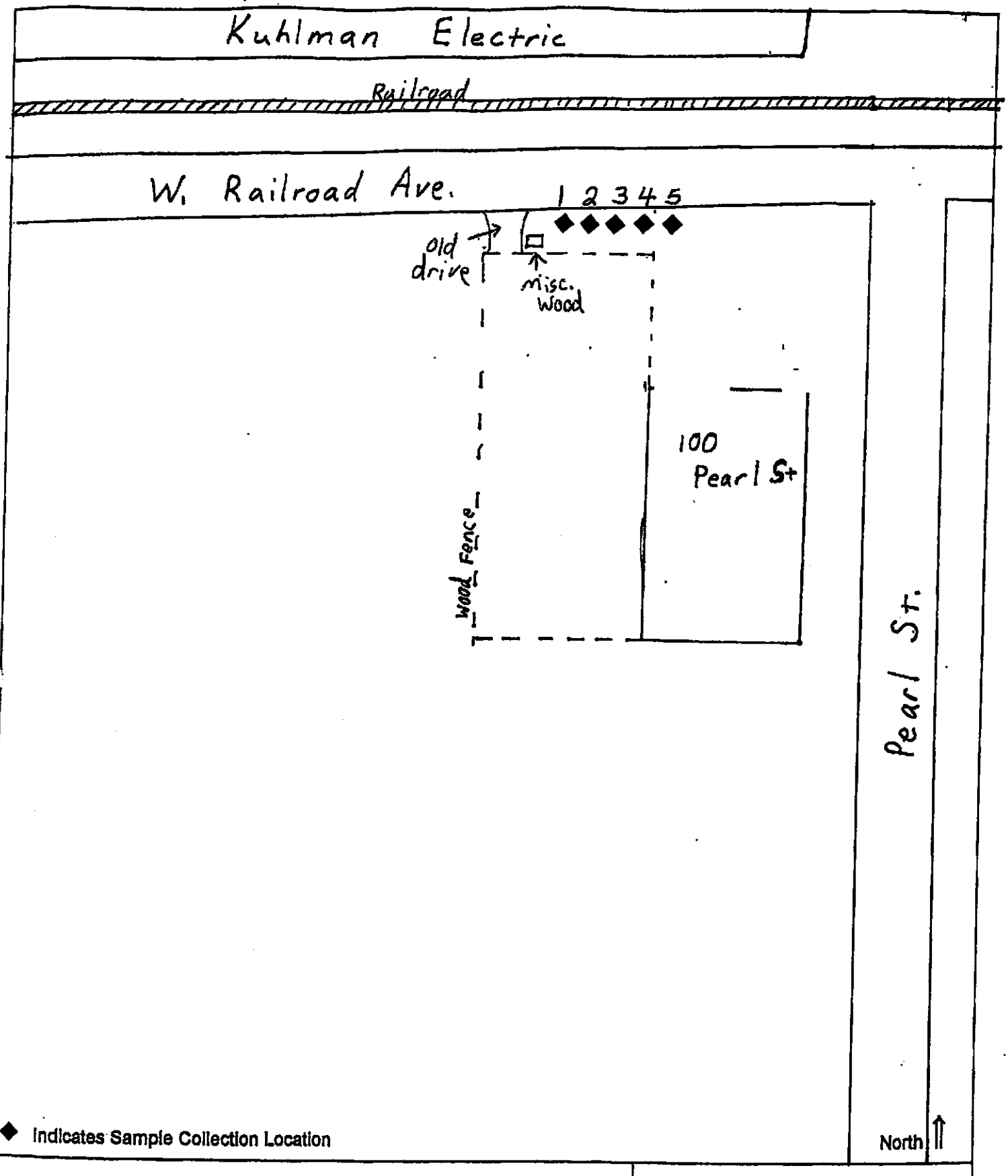


Kellum 4/11/03

SITE ADDRESS: 412 Lee Avenue
SITE LOCATION: Crystal Springs, MS
SAMPLE ID: CMS-412-S-01 through CMS-412-S-05

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas

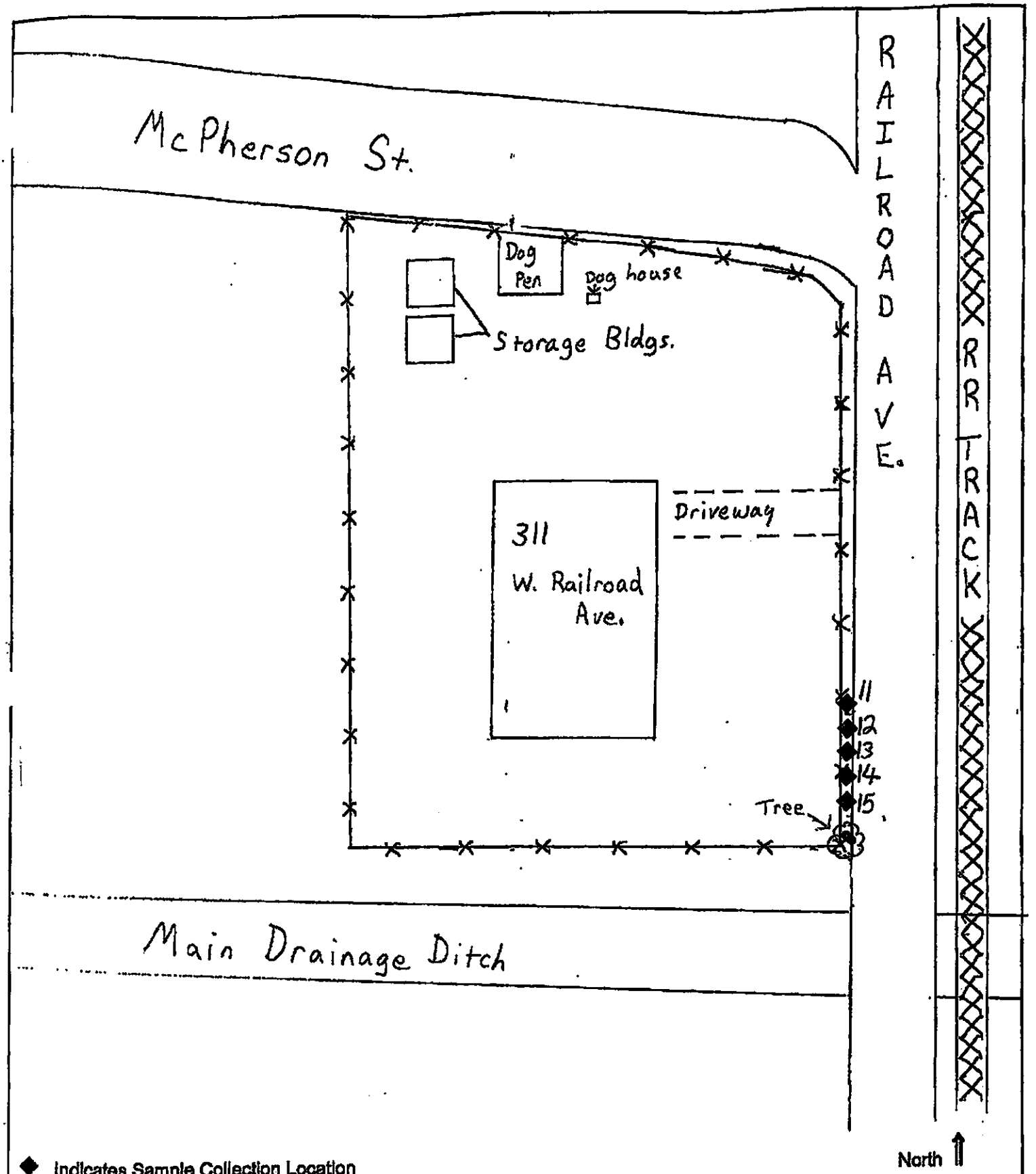


SAMPLE NUMBER: CMS-100-S-01 through CMS-100-S-05
SAMPLE COLLECTION LOCATION: 100 Pearl St
SAMPLE COLLECTION DATE: 4/11/03

P045951

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas



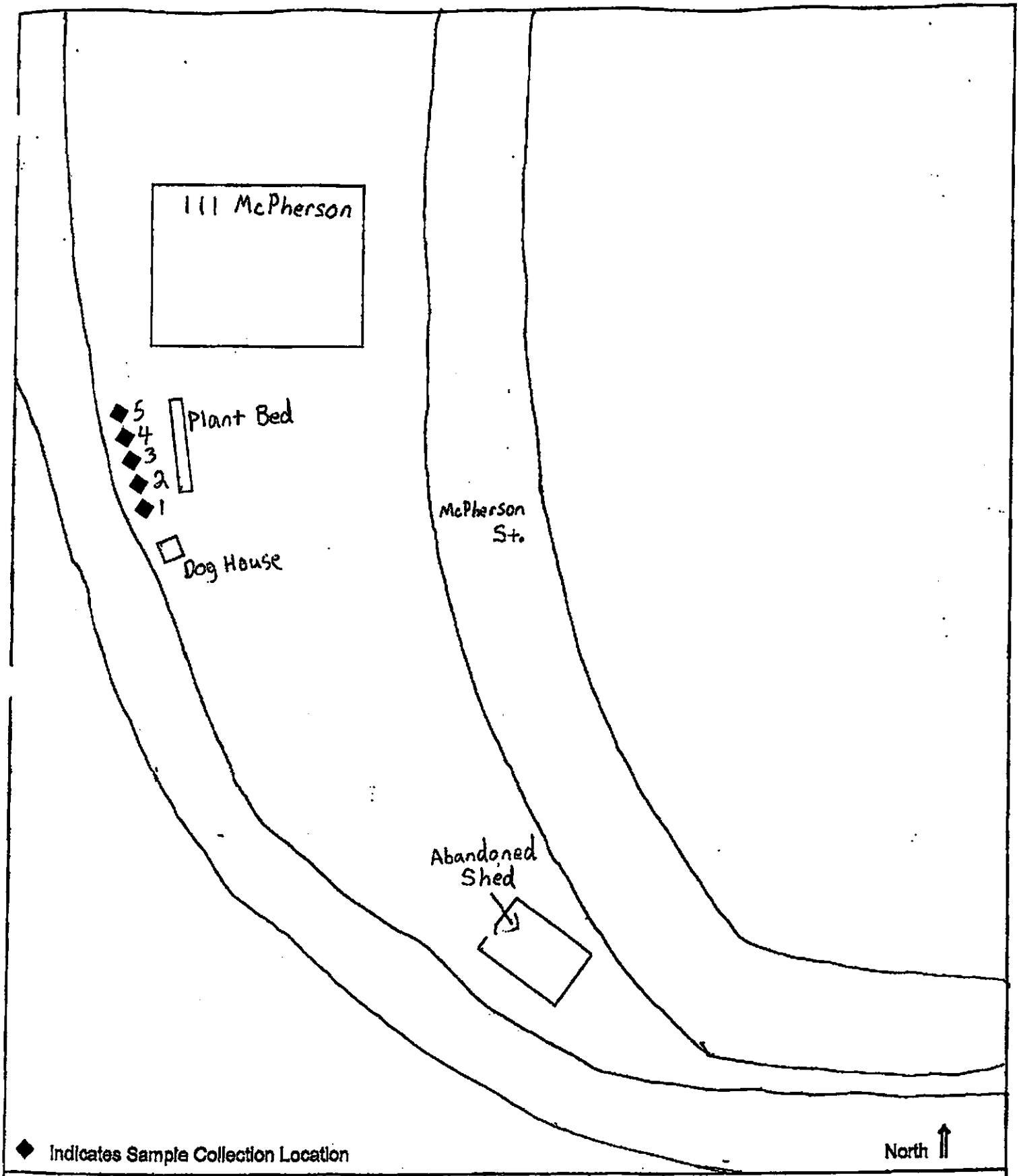
◆ Indicates Sample Collection Location

SAMPLE NUMBER(S): CMS-311-5-11 through CMS-311-5-15
SAMPLE COLLECTION LOCATION: 311 W. Railroad Ave.
SAMPLE COLLECTION DATE: 4/11/03

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas

P045952



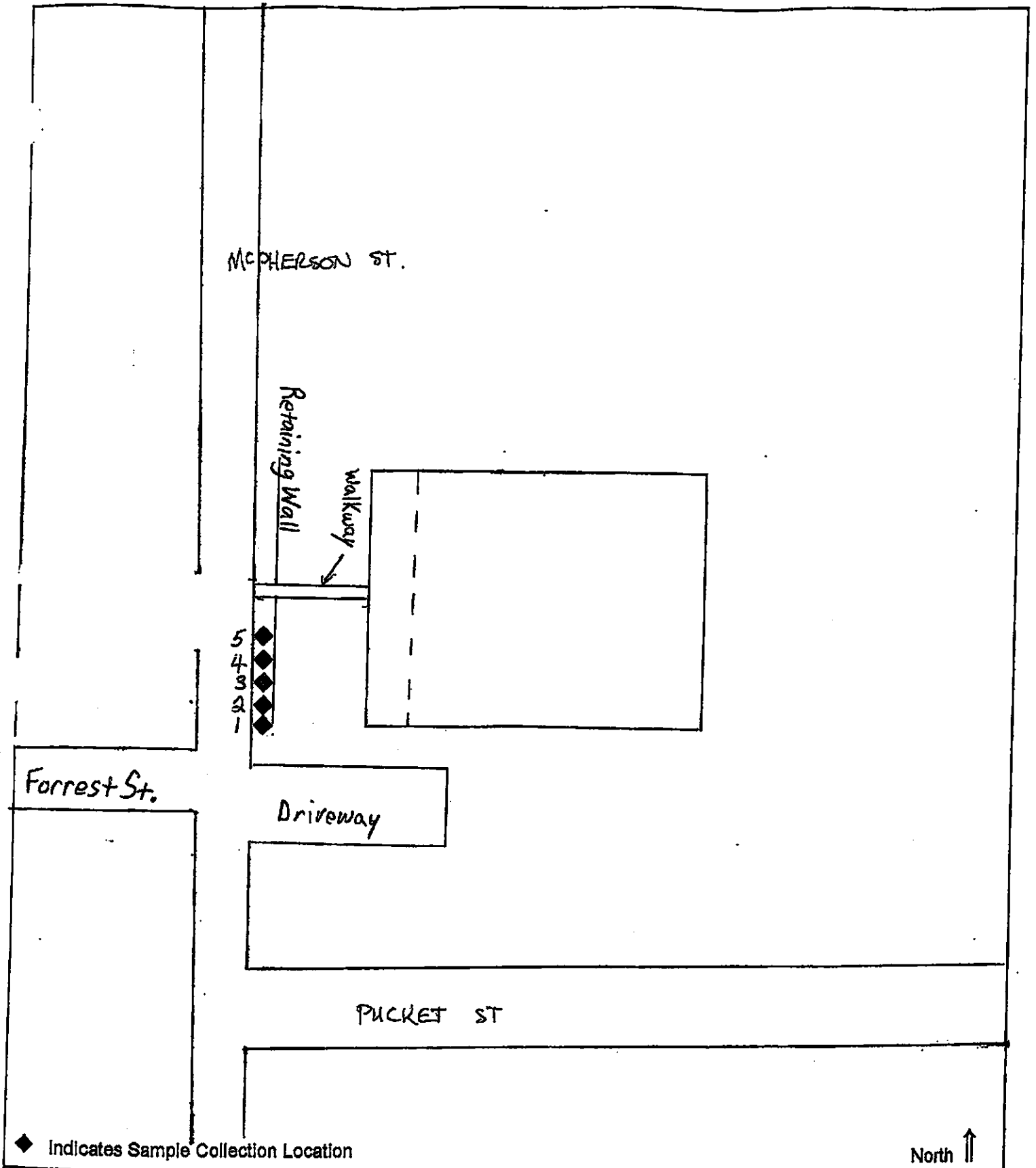
SAMPLE NUMBER(S): CMS-111-S-06 through CMS-111-S-10
SAMPLE COLLECTION LOCATION: 111 McPherson St.
SAMPLE COLLECTION DATE: 4/11/03

SITE SKETCH

(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas

P045953



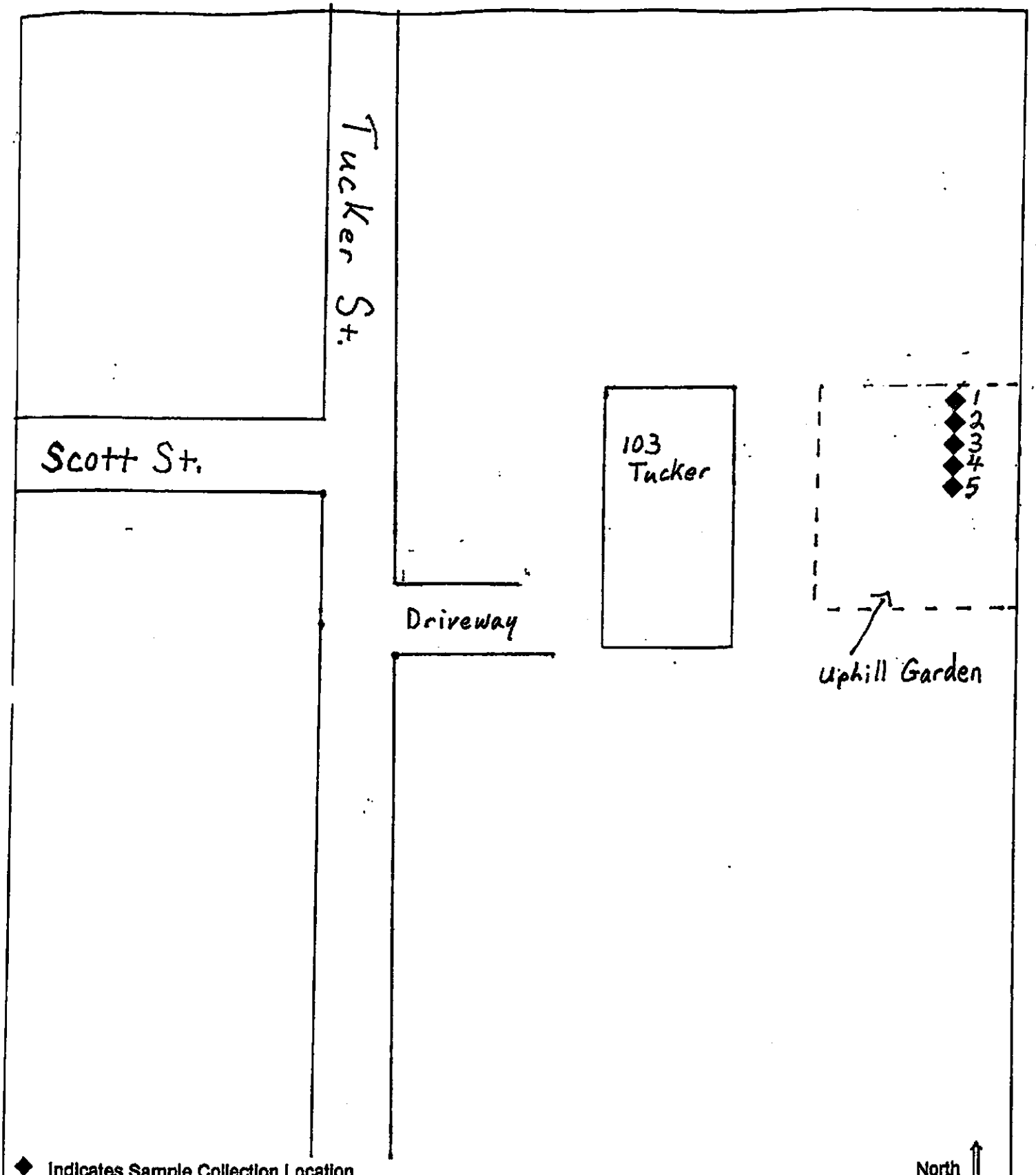
SAMPLE NUMBER: CMS-302-S-01 through CMS-302-S-05
SAMPLE COLLECTION LOCATION: 302 McPHERSON
SAMPLE COLLECTION DATE: 4/12/03

P045954

SITE SKETCH

(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas



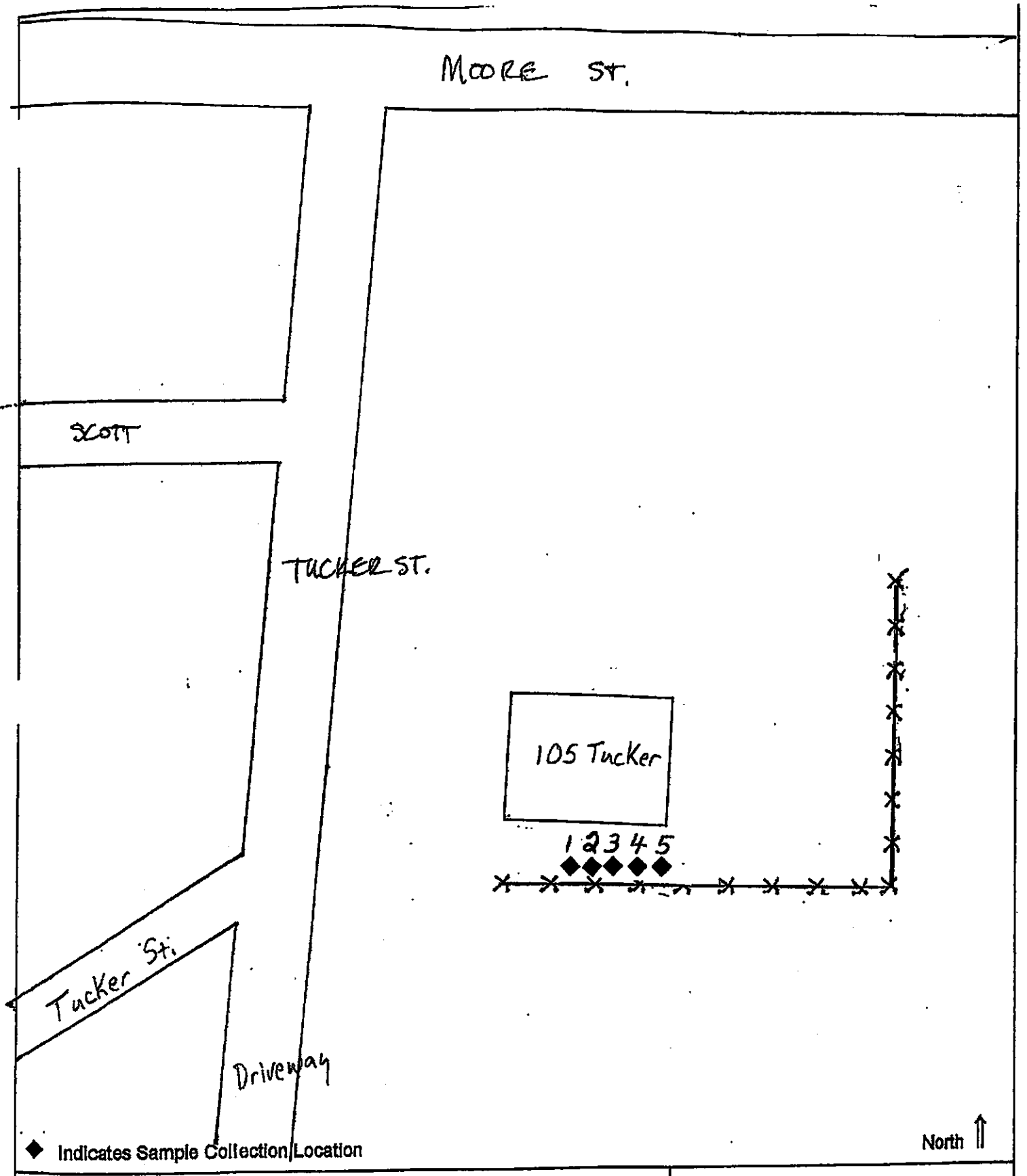
SAMPLE NUMBER: CMS-103-5-01 through CMS-103-5-05
SAMPLE COLLECTION LOCATION: 103 Tucker
SAMPLE COLLECTION DATE: 4/12/03

P045955

SITE SKETCH

(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas



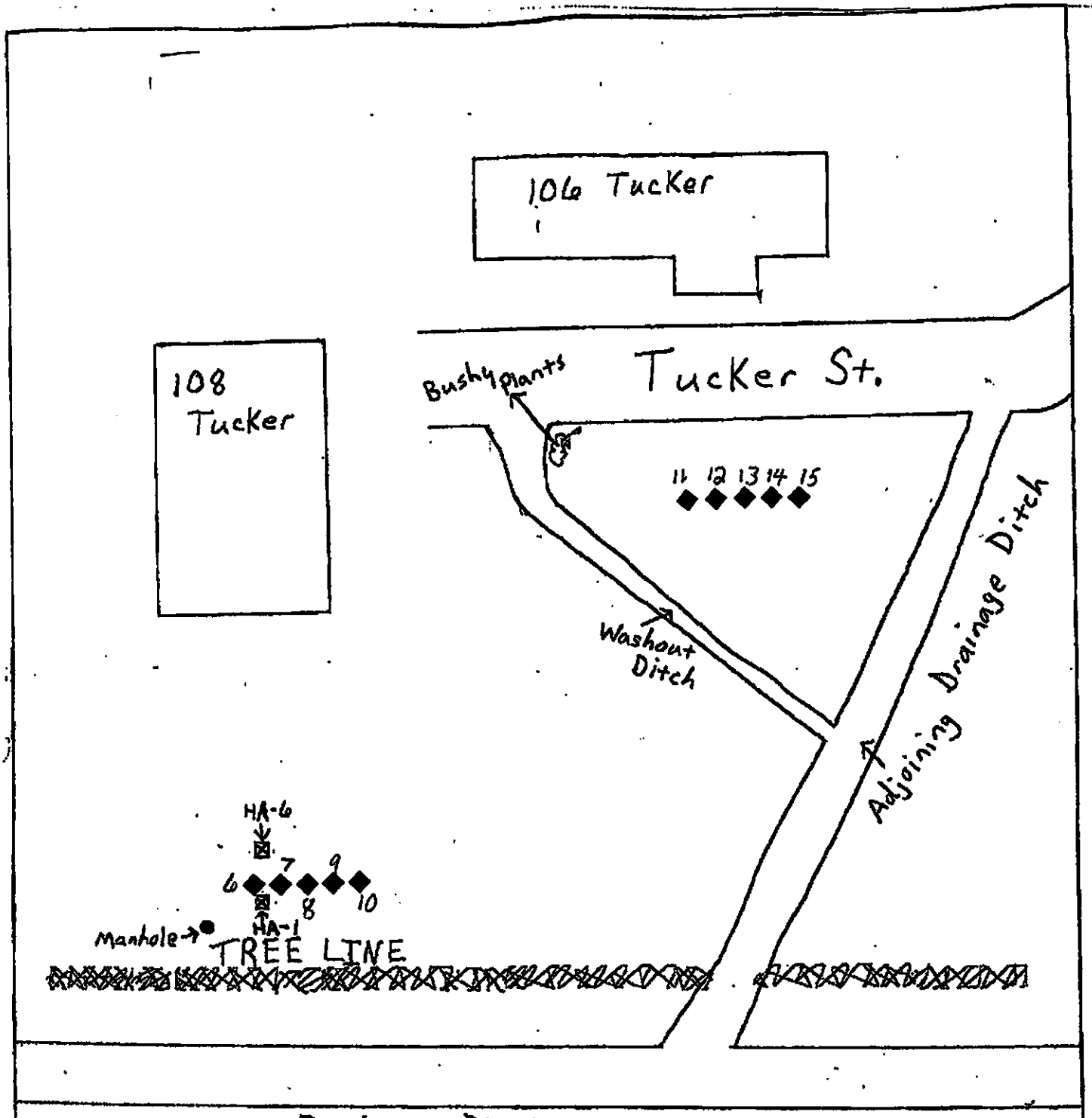
SAMPLE NUMBER: CMS-105-S-01 through CMS-105-S-05
SAMPLE COLLECTION LOCATION: 105 TUCKER ST.
SAMPLE COLLECTION DATE: 4/12/03

P045956

SITE SKETCH

(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas



☒ Indicated Previous 3TM Sample Location

◆ Indicates Sample Collection Location

North ⬆

SAMPLE NUMBER(S): CMS-106-S-11 through CMS-106-S-15
CMS-108-S-06 through CMS-108-S-10

SAMPLE COLLECTION LOCATION: 106 and 108 Tucker St.

SAMPLE COLLECTION DATE: 4/12/03.

SITE SKETCH
(NOT TO SCALE)

3TM INTERNATIONAL, INC.
Houston, Texas

Photographs

Photograph 1. Soil sampling locations at 501 Camp Street. Photo taken facing south.

Photograph 2. Soil sampling locations at 403 N. Jackson St. Photo taken facing west.

Photograph 3. Soil sampling locations at 407 N. Jackson St. Photo taken facing northwest.

Photograph 4. Soil sampling locations at 406 Lee Ave. Sample CMS-406-S-01 is located to the right of the home. Photo taken facing south/southeast.

Photograph 5. Soil sampling locations at 412 Lee Ave. Photo taken facing south.

Photograph 6. Soil sampling locations at 100 Pearl St. Photo taken facing west.

Photograph 7. Soil sampling locations at 311 W. Railroad. Photo taken facing west.

Photograph 8. Soil sampling locations at 111 McPherson St. Photo taken facing southeast.

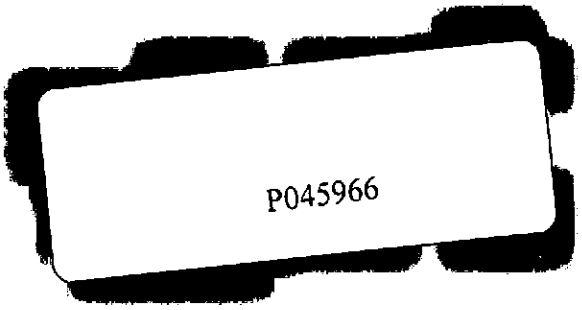
Photograph 9. Soil sampling locations at 302 McPherson St. Photo taken facing east.

Photograph 10. Soil sampling locations at 103 Tucker St. Photo taken facing east.

Photograph 11. Soil sampling locations at 105 Tucker St. Photo taken facing south.

Photograph 12. Soil sampling locations at 106 Tucker St. Photo taken facing south.

Photograph 13. Soil sampling locations at 108 Tucker St. Photo taken facing north.


P045966

Analytical Testing Data

P045967

PCB Summary of Results

CLIENT ID	AXYS ID	WORKGROUP	Total PCB	Units	TEQ U=1/2 DL	TEQ U=0
WG8530-101	LAB BLANK	WG8530	307	pg/L	0.184	0.00214
L5763-1	FIELD BLANK-1	WG8530	414	pg/L	0.139	0.0024
L5763-2	FIELD BLANK-2	WG8530	488	pg/L	0.257	0.0031
L5763-3	TRIP BLANK	WG8530	257	pg/L	0.154	0.00213
L5763-4	EQUIPMENT RINSE	WG8530	273	pg/L	0.0975	0.00103

CLIENT ID:
LAB BLANK

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	N/A
Lab Name: AXYS ANALYTICAL SERVICES				
Contract No.:	4182		Lab Sample ID:	WG8530-101
Matrix:	AQUEOUS		Sample Size:	0.700 L
Sample Receipt Date:	N/A		Initial Calibration Date:	05-Mar-2003
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS
Analysis Date:	28-Apr-2003	Time: 16:12:21	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	22		Blank Data Filename:	PB3B_182A S:5
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3B_182A S:1
Dilution Factor:	N/A		Sample Datafile(s):	PB3B_182A S:5
Concentration Units :	pg/L			

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		6.20	0.953
Total Dichloro Biphenyls		3.93	2.65
Total Trichloro Biphenyls		11.5	1.31
Total Tetrachloro Biphenyls		96.5	2.40
Total Pentachloro Biphenyls		54.1	4.34
Total Hexachloro Biphenyls		76.4	3.38
Total Heptachloro Biphenyls		39.5	2.34
Total Octachloro Biphenyls		9.14	0.708
Total Nonachloro Biphenyls		5.45	2.05
Decachloro Biphenyl		4.67	0.241
TOTAL PCBs		307	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
LAB BLANK

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	N/A
Contract No.:	4182		
Matrix:	AQUEOUS	Lab Sample ID:	WG8530-101
Sample Size:	0.700 L	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/L	Sample Datafile(s):	PB3B_182A S:5

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		2.15	0.0001	1.08E-04	0.00E+00
3,4,4',5-TetraCB	81		U		2.08	0.0001	1.04E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			5.69	3.08	0.0001	5.69E-04	5.69E-04
2,3,4,4',5-PentaCB	114		U		2.89	0.0005	7.24E-04	0.00E+00
2,3',4,4',5-PentaCB	118			14.2	2.76	0.0001	1.42E-03	1.42E-03
2',3,4,4',5-PentaCB	123		U		2.94	0.0001	1.47E-04	0.00E+00
3,3',4,4',5-PentaCB	126		U		3.34	0.1	1.67E-01	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C U		2.85	0.0005	7.13E-04	0.00E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167		U		2.25	0.00001	1.13E-05	0.00E+00
3,3',4,4',5,5'-HexaCB	169		U		2.62	0.01	1.31E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			1.50	1.47	0.0001	1.50E-04	1.50E-04
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.184	0.00214

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8530PCBTEQD1_1, S2 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

PCB Summary Data for Quality Control Samples

COMPOUND	IUPAC NO.	SPIKE CONC. (ng/mL)	WG8318-102 CONC. FOUND (ng/mL)	METHOD CONTROL LIMITS (ng/mL)
2 - MoCB	1	50.0	49.1	25.0 - 75.0
4 - MoCB	3	50.0	46.6	25.0 - 75.0
2,2' - DiCB	4	50.0	47.0	25.0 - 75.0
4,4' - DiCB	15	50.0	42.4	25.0 - 75.0
2,2',6 - TriCB	19	50.0	54.8	25.0 - 75.0
3,4,4' - TriCB	37	50.0	41.6	25.0 - 75.0
2,2',6,6' - TeCB	54	50.0	62.4	25.0 - 75.0
3,3',4,4' - TeCB	77	50.0	46.8	25.0 - 75.0
3,4,4',5 - TeCB	81	50.0	46.7	25.0 - 75.0
2,2',4,6,6' - PeCB	104	50.0	66.4	25.0 - 75.0
2,3,3',4,4' - PeCB	105	50.0	42.8	25.0 - 75.0
2,3,4,4',5 - PeCB	114	50.0	43.3	25.0 - 75.0
2,3',4,4',5 - PeCB	118	50.0	43.1	25.0 - 75.0
2',3,4,4',5 - PeCB	123	50.0	44.2	25.0 - 75.0
3,3',4,4',5 - PeCB	126	50.0	43.1	25.0 - 75.0
2,2',4,4',6,6' - HxCB	155	50.0	54.2	25.0 - 75.0
2,3,3',4,4',5 - HxCB/2,3,3',4,4',5' - HxCB	156/157	100	93.0	50.0 - 150
2,3',4,4',5,5' - HxCB	167	50.0	47.1	25.0 - 75.0
3,3',4,4',5,5' - HxCB	169	50.0	46.0	25.0 - 75.0
2,2',3,4',5,6,6' - HpCB	188	50.0	60.4	25.0 - 75.0
2,3,3',4,4',5,5' - HpCB	189	50.0	43.4	25.0 - 75.0
2,2',3,3',5,5',6,6' - OcCB	202	50.0	61.9	25.0 - 75.0
2,3,3',4,4',5,5',6 - OcCB	205	50.0	47.2	25.0 - 75.0
2,2',3,3',4,4',5,5',6 - NoCB	206	50.0	49.3	25.0 - 75.0
2,2',3,3',4,5,5',6,6' - NoCB	203	50.0	50.9	25.0 - 75.0
2,2',3,3',4,4',5,5',6,6' - DeCB	209	50.0	49.6	25.0 - 75.0
Labeled standard		(ng)	(ng)	(ng)
13C12-2 - MoCB	1L	2000	715	400 - 2800
13C12-4 - MoCB	3L	2000	839	400 - 2800
13C12-2,2' - DiCB	4L	2000	980	600 - 2800
13C12-4,4' - DiCB	15L	2000	1150	600 - 2800
13C12-2,2',6 - TriCB	19L	2000	1130	600 - 2800
13C12-3,4,4' - TriCB	37L	2000	1220	600 - 2800
13C12-2,2',6,6' - TeCB	54L	2000	1190	600 - 2800
13C12-3,3',4,4' - TeCB	77L	2000	1750	600 - 2800
13C12-3,4,4',5 - TeCB	81L	2000	1710	600 - 2800
13C12-2,2',4,6,6' - PeCB	104L	2000	1120	600 - 2800
13C12-2,3,3',4,4' - PeCB	105L	2000	1680	600 - 2800
13C12-2,3,4,4',5 - PeCB	114L	2000	1510	600 - 2800
13C12-2,3',4,4',5 - PeCB	118L	2000	1580	600 - 2800
13C12-2',3,4,4',5 - PeCB	123L	2000	1520	600 - 2800
13C12-3,3',4,4',5 - PeCB	126L	2000	1870	600 - 2800
13C12-2,2',4,4',6,6' - HxCB	155L	2000	1210	600 - 2800
13C12-2,3,3',4,4',5 - HxCB/13C12-2,3,3',4,4',5' - HxCB	156L/157L	4000	3330	1200 - 5600
13C12-2,3',4,4',5,5' - HxCB	167L	2000	1730	600 - 2800
13C12-3,3',4,4',5,5' - HxCB	169L	2000	1740	600 - 2800
13C12-2,2',3,4',5,6,6' - HpCB	188L	2000	1520	600 - 2800
13C12-2,3,3',4,4',5,5' - HpCB	189L	2000	1460	600 - 2800
13C12-2,2',3,3',5,5',6,6' - OcCB	202L	2000	1440	600 - 2800
13C12-2,3,3',4,4',5,5',6 - OcCB	205L	2000	1600	600 - 2800
13C12-2,2',3,3',4,4',5,5',6 - NoCB	206L	2000	1640	600 - 2800
13C12-2,2',3,3',4,55',6,6' - NoCB	208L	2000	1610	600 - 2800
13C12-2,2',3,3',4,4',5,5',6,6' - DeCB	209L	2000	1520	600 - 2800
Cleanup standard		(ng)	(ng)	(ng)
13C12- 2,4,4' - TriCB	28L	2000	1270	800 - 2500
13C12-2,3,3',5,5' - PeCB	111L	2000	1670	800 - 2500
13C12-2,2',3,3',5,5',6 - HpCB	178L	2000	1570	800 - 2500

PCB Summary Data for Quality Control Samples

COMPOUND	IUPAC NO.	SPIKE CONC. (ng/mL)	WG8530-102 CONC. FOUND (ng/mL)	METHOD CONTROL LIMITS (ng/mL)
2 - MoCB	1	50.0	44.2	25.0 - 75.0
4 - MoCB	3	50.0	43.0	25.0 - 75.0
2,2' - DiCB	4	50.0	47.0	25.0 - 75.0
4,4' - DiCB	15	50.0	43.5	25.0 - 75.0
2,2',6 - TriCB	19	50.0	51.4	25.0 - 75.0
3,4,4' - TriCB	37	50.0	45.3	25.0 - 75.0
2,2',6,6' - TeCB	54	50.0	49.9	25.0 - 75.0
3,3',4,4' - TeCB	77	50.0	46.3	25.0 - 75.0
3,4,4',5 - TeCB	81	50.0	47.0	25.0 - 75.0
2,2',4,6,6' - PeCB	104	50.0	50.5	25.0 - 75.0
2,3,3',4,4' - PeCB	105	50.0	45.3	25.0 - 75.0
2,3,4,4',5 - PeCB	114	50.0	45.0	25.0 - 75.0
2,3',4,4',5 - PeCB	118	50.0	46.3	25.0 - 75.0
2',3,4,4',5 - PeCB	123	50.0	46.1	25.0 - 75.0
3,3',4,4',5 - PeCB	126	50.0	45.5	25.0 - 75.0
2,2',4,4',6,6' - HxCB	155	50.0	49.8	25.0 - 75.0
2,3,3',4,4',6 - HxCB/2,3,3',4,4',5' - HxCB	156/157	100	94.1	50.0 - 150
2,3',4,4',5,5' - HxCB	167	50.0	48.6	25.0 - 75.0
3,3',4,4',5,5' - HxCB	169	50.0	48.9	25.0 - 75.0
2,2',3,4',5,6,6' - HpCB	188	50.0	54.1	25.0 - 75.0
2,3,3',4,4',5,5' - HpCB	189	50.0	46.4	25.0 - 75.0
2,2',3,3',5,5',6,6' - OcCB	202	50.0	48.1	25.0 - 75.0
2,3,3',4,4',5,5',6 - OcCB	205	50.0	49.9	25.0 - 75.0
2,2',3,3',4,4',5,5',6 - NoCB	206	50.0	49.7	25.0 - 75.0
2,2',3,3',4,5,5',6,6' - NoCB	208	50.0	49.5	25.0 - 75.0
2,2',3,3',4,4',5,5',6,6' - DeCB	209	50.0	49.6	25.0 - 75.0
Labeled standard		(pg)	(pg)	(pg)
13C12-2 - MoCB	1L	2000	740	400 - 2800
13C12-4 - MoCB	3L	2000	754	400 - 2800
13C12-2,2' - DiCB	4L	2000	838	600 - 2800
13C12-4,4' - DiCB	15L	2000	846	600 - 2800
13C12-2,2',6 - TriCB	19L	2000	837	600 - 2800
13C12-3,4,4' - TriCB	37L	2000	1020	600 - 2800
13C12-2,2',6,6' - TeCB	54L	2000	822	600 - 2800
13C12-3,3',4,4' - TeCB	77L	2000	1170	600 - 2800
13C12-3,4,4',5 - TeCB	81L	2000	1140	600 - 2800
13C12-2,2',4,6,6' - PeCB	104L	2000	811	600 - 2800
13C12-2,3,3',4,4' - PeCB	105L	2000	1250	600 - 2800
13C12-2,3,4,4',5 - PeCB	114L	2000	1280	600 - 2800
13C12-2,3',4,4',5 - PeCB	118L	2000	1340	600 - 2800

13C12-2',3,4,4',5 - PeCB	123L	2000	1310	600	-	2800
13C12-3,3',4,4',5 - PeCB	126L	2000	1220	600	-	2800
13C12-2,2',4,4',6,6' - HxCB	155L	2000	918	600	-	2800
13C12-2,3,3',4,4',5 - HxCB/13C12-2,3,3',4,4',5' - HxCB	156L/157L	4000	2820	1200	-	5600
13C12-2,3',4,4',5,5' - HxCB	167L	2000	1470	600	-	2800
13C12-3,3',4,4',5,5' - HxCB	169L	2000	1270	600	-	2800
13C12-2,2',3,4',5,6,6' - HpCB	188L	2000	1230	600	-	2800
13C12-2,3,3',4,4',5,5' - HpCB	189L	2000	1530	600	-	2800
13C12-2,2',3,3',5,5',6,6' - OcCB	202L	2000	1280	600	-	2800
13C12-2,3,3',4,4',5,5',6 - OcCB	205L	2000	1510	600	-	2800
13C12-2,2',3,3',4,4',5,5',6 - NoCB	206L	2000	1490	600	-	2800
13C12-2,2',3,3',4,55',6,6' - NoCB	208L	2000	1540	600	-	2800
13C12-2,2',3,3',4,4',5,5',6,6' - DeCB	209L	2000	1300	600	-	2800
Clean-up standard		(pg)	(pg)		(pg)	
13C12- 2,4,4' - TriCB	28L	2000	954	800	-	2500
13C12-2,3,3',5,5' - PeCB	111L	2000	1300	800	-	2500
13C12-2,2',3,3',5,5',6 - HpCB	178L	2000	1400	800	-	2500

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

		Sample Collection:	11/Apr/2003 13:20
Lab Name: AXYS ANALYTICAL SERVICES			
Contract No.:	4182	Lab Sample ID:	L5765-4
Matrix:	SOLID	Sample Size:	5.66 g (dry)
Sample Receipt Date:	16-Apr-2003	Initial Calibration Date:	24-Apr-2003
Extraction Date:	23-Apr-2003	Instrument ID:	HR GC/MS
Analysis Date:	29-Apr-2003 Time: 1:34:19	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	50	Blank Data Filename:	PB3C_221 S:5
Injection Volume (µL):	1.0	Cal. Ver. Data Filename:	PB3C_221 S:1
Dilution Factor:	N/A	Sample Datafile(s):	PB3C_221 S:8
Concentration Units :	pg/g (dry weight basis)		

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		14.7	1.44
Total Dichloro Biphenyls	U		7.38
Total Trichloro Biphenyls		75.8	1.48
Total Tetrachloro Biphenyls		427	5.47
Total Pentachloro Biphenyls		7580	5.93
Total Hexachloro Biphenyls		208000	118
Total Heptachloro Biphenyls		258000	17.1
Total Octachloro Biphenyls		73300	6.65
Total Nonachloro Biphenyls		5010	7.25
Decachloro Biphenyl		383	0.324
TOTAL PCBs		553000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	11/Apr/2003 14:15	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5765-9	
Matrix:	SOLID		Sample Size:	5.41	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	29-Apr-2003	Time: 2:39:37	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_221 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_221 S:7	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		2.03	1.35
Total Dichloro Biphenyls	U		10.3
Total Trichloro Biphenyls		75.7	1.69
Total Tetrachloro Biphenyls		1610	6.39
Total Pentachloro Biphenyls		23100	6.50
Total Hexachloro Biphenyls		52700	37.5
Total Heptachloro Biphenyls		39000	5.74
Total Octachloro Biphenyls		13300	3.92
Total Nonachloro Biphenyls		1290	4.70
Decachloro Biphenyl		245	0.189
TOTAL PCBs		131000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
CMS-407-S-02

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	11/Apr/2003 14:55	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	LS765-12	
Matrix:	SOLID		Sample Size:	5.18	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	29-Apr-2003	Time: 3:44:58	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_221 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_221 S:8	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		2.75	1.03
Total Dichloro Biphenyls		21.1	8.33
Total Trichloro Biphenyls		113	1.45
Total Tetrachloro Biphenyls		1520	3.35
Total Pentachloro Biphenyls		22400	5.02
Total Hexachloro Biphenyls		142000	90.9
Total Heptachloro Biphenyls		116000	8.05
Total Octachloro Biphenyls		31300	3.95
Total Nonachloro Biphenyls		2150	4.19
Decachloro Biphenyl		182	0.225
TOTAL PCBs		316000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/16/2003
dd-mm-yyyy

CLIENT ID:
CMS-406-S-02

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	11/Apr/2003 16:00	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5765-17	
Matrix:	SOLID		Sample Size:	5.33	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	29-Apr-2003	Time: 11:44:25	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_222 S:1	
Dilution Factor:	N/A		Sample Datafile(a):	PB3C_222 S:4	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls	U		8.16
Total Dichloro Biphenyls	U		12.7
Total Trichloro Biphenyls		491	9.00
Total Tetrachloro Biphenyls		981	13.8
Total Pentachloro Biphenyls		55200	23.3
Total Hexachloro Biphenyls		1260000	36.5
Total Heptachloro Biphenyls		1440000	95.5
Total Octachloro Biphenyls		412000	61.0
Total Nonachloro Biphenyls		25300	29.8
Decachloro Biphenyl		760	1.44
TOTAL PCBs		3200000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
CMS-412-S-03

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	11/Apr/2003 17:10	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5765-23	
Matrix:	SOLID		Sample Size:	5.47	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	29-Apr-2003	Time: 12:49:43	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_222 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_222 S:5	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls	U		2.89
Total Dichloro Biphenyls	U		8.02
Total Trichloro Biphenyls		152	3.11
Total Tetrachloro Biphenyls		531	2.15
Total Pentachloro Biphenyls		20900	12.0
Total Hexachloro Biphenyls		565000	139
Total Heptachloro Biphenyls		733000	44.4
Total Octachloro Biphenyls		205000	20.3
Total Nonachloro Biphenyls		14300	10.5
Decachloro Biphenyl		1100	0.547
TOTAL PCBs		1540000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
CMS-100-S-02

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	11/Apr/2003 18:00	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5765-27	
Matrix:	SOLID		Sample Size:	5.23	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	29-Apr-2003	Time: 13:55:02	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_222 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_222 S:6	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		6.23	1.36
Total Dichloro Biphenyls		6.84	3.35
Total Trichloro Biphenyls		87.7	1.32
Total Tetrachloro Biphenyls		630	2.21
Total Pentachloro Biphenyls		6330	2.27
Total Hexachloro Biphenyls		49200	91.2
Total Heptachloro Biphenyls		58900	5.54
Total Octachloro Biphenyls		17600	1.79
Total Nonachloro Biphenyls		1530	3.93
Decachloro Biphenyl		246	0.140
TOTAL PCBs		135000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
CMS-311-S-15

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

		Sample Collection:	11/Apr/2003 19:35
Lab Name: AXYS ANALYTICAL SERVICES			
Contract No.:	4182	Lab Sample ID:	L5768-5
Matrix:	SOLID	Sample Size:	5.81 g (dry)
Sample Receipt Date:	16-Apr-2003	Initial Calibration Date:	24-Apr-2003
Extraction Date:	23-Apr-2003	Instrument ID:	HR GC/MS
Analysis Date:	29-Apr-2003 Time: 15:00:17	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	50	Blank Data Filename:	PB3C_221 S:5
Injection Volume (µL):	1.0	Cal. Ver. Data Filename:	PB3C_222 S:1
Dilution Factor:	N/A	Sample Datafile(s):	PB3C_222 S:7
Concentration Units :	pg/g (dry weight basis)		

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		2.65	1.24
Total Dichloro Biphenyls		7.83	6.72
Total Trichloro Biphenyls		79.9	1.55
Total Tetrachloro Biphenyls		536	4.26
Total Pentachloro Biphenyls		7190	12.0
Total Hexachloro Biphenyls		67000	19.3
Total Heptachloro Biphenyls		75300	5.40
Total Octachloro Biphenyls		22100	2.98
Total Nonachloro Biphenyls		1810	3.14
Decachloro Biphenyl		245	0.178
TOTAL PCBs		174000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/16/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	11/Apr/2003 20:10	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5766-8	
Matrix:	SOLID		Sample Size:	5.66	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	29-Apr-2003	Time: 16:05:37	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_222 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_222 S:8	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		2.60	0.930
Total Dichloro Biphenyls		29.5	5.54
Total Trichloro Biphenyls		94.7	1.20
Total Tetrachloro Biphenyls		126	1.57
Total Pentachloro Biphenyls		1130	1.78
Total Hexachloro Biphenyls		15000	25.5
Total Heptachloro Biphenyls		19800	1.97
Total Octachloro Biphenyls		5520	0.836
Total Nonachloro Biphenyls		640	3.54
Decachloro Biphenyl		260	0.155
TOTAL PCBs		42700	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

		Sample Collection:	12/Apr/2003 09:10
Lab Name: AXYS ANALYTICAL SERVICES			
Contract No.:	4182	**Lab Sample ID:**	L5766-13
Matrix:	SOLID	**Sample Size:**	5.92 g (dry)
Sample Receipt Date:	16-Apr-2003	**Initial Calibration Date:**	24-Apr-2003
Extraction Date:	23-Apr-2003	**Instrument ID:**	HR GC/MS
Analysis Date:	29-Apr-2003 **Time:** 17:10:56	**GC Column ID:**	SPB-OCTYL
Extract Volume (µL):	50	**Blank Data Filename:**	PB3C_221 S:5
Injection Volume (µL):	1.0	**Cal. Ver. Data Filename:**	PB3C_222 S:1
Dilution Factor:	N/A	**Sample Datafile(s):**	PB3C_222 S:9
Concentration Units :	pg/g (dry weight basis)		

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls	U		1.35
Total Dichloro Biphenyls		18.6	9.72
Total Trichloro Biphenyls		29.6	2.21
Total Tetrachloro Biphenyls		79.6	3.65
Total Pentachloro Biphenyls		646	3.70
Total Hexachloro Biphenyls		8880	7.82
Total Heptachloro Biphenyls		10700	0.957
Total Octachloro Biphenyls		3000	0.690
Total Nonachloro Biphenyls		303	4.26
Decachloro Biphenyl		224	0.191
TOTAL PCBs		23500	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

6/15/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	12/Apr/2003 10:25	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		**Lab Sample ID:**	L5766-18	
Matrix:	SOLID		**Sample Size:**	5.52	g (dry)
Sample Receipt Date:	16-Apr-2003		**Initial Calibration Date:**	24-Apr-2003	
Extraction Date:	23-Apr-2003		**Instrument ID:**	HR GC/MS	
Analysis Date:	29-Apr-2003	**Time:** 18:16:15	**GC Column ID:**	SPB-OCTYL	
Extract Volume (µL):	50		**Blank Data Filename:**	PB3C_221 S:5	
Injection Volume (µL):	1.0		**Cal. Ver. Data Filename:**	PB3C_222 S:1	
Dilution Factor:	N/A		**Sample Datafile(s):**	PB3C_222 S:10	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls	U		1.27
Total Dichloro Biphenyls		40.1	7.22
Total Trichloro Biphenyls		84.5	1.88
Total Tetrachloro Biphenyls		124	3.91
Total Pentachloro Biphenyls		475	4.14
Total Hexachloro Biphenyls		4310	4.53
Total Heptachloro Biphenyls		4640	0.158
Total Octachloro Biphenyls		1480	0.198
Total Nonachloro Biphenyls		857	4.11
Decachloro Biphenyl		883	0.192
TOTAL PCBs		12900	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

8/18/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	12/Apr/2003 11:20	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5768-22 (A)	
Matrix:	SOLID		Sample Size:	5.39	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	30-Apr-2003	Time: 0:49:25	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_223 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_223 S:6	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		4.43	1.85
Total Dichloro Biphenyls		23.9	7.49
Total Trichloro Biphenyls		95.6	2.41
Total Tetrachloro Biphenyls		361	5.59
Total Pentachloro Biphenyls		1230	9.27
Total Hexachloro Biphenyls		9090	11.0
Total Heptachloro Biphenyls		9820	1.45
Total Octachloro Biphenyls		2940	0.517
Total Nonachloro Biphenyls		350	7.07
Decachloro Biphenyl		203	0.290
TOTAL PCBs		24100	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

8/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TOTAL2

CLIENT ID:
CMS-105-S-02
(DUPLICATE)

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	12/Apr/2003 11:20	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	WG8508-103 (DUP. L5766-22)	
Matrix:	SOLID		Sample Size:	5.37	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	30-Apr-2003	Time: 1:54:42	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_223 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_223 S:7	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		7.48	1.74
Total Dichloro Biphenyls		32.4	7.33
Total Trichloro Biphenyls		28.2	3.02
Total Tetrachloro Biphenyls		204	5.64
Total Pentachloro Biphenyls		1170	10.1
Total Hexachloro Biphenyls		7710	5.73
Total Heptachloro Biphenyls		8120	1.57
Total Octachloro Biphenyls		2550	0.384
Total Nonachloro Biphenyls		328	4.12
Decachloro Biphenyl		219	0.232
TOTAL PCBs		20400	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/16/2003
dd-mm-yyyy

CLIENT ID:
CMS-108-S-06

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	12/Apr/2003 13:15	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5768-31	
Matrix:	SOLID		Sample Size:	5.09	g (dry)
Sample Receipt Date:	16-Apr-2003		Initial Calibration Date:	24-Apr-2003	
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS	
Analysis Date:	30-Apr-2003	Time: 4:05:17	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_223 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_223 S:9	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		16.0	5.17
Total Dichloro Biphenyls	U		68.3
Total Trichloro Biphenyls		452	13.8
Total Tetrachloro Biphenyls		2600	28.2
Total Pentachloro Biphenyls		68900	76.2
Total Hexachloro Biphenyls		2070000	1330
Total Heptachloro Biphenyls		2480000	126
Total Octachloro Biphenyls		715000	79.1
Total Nonachloro Biphenyls		44500	29.2
Decachloro Biphenyl		1730	1.56
TOTAL PCBs		5380000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-108-S-08

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	12/Apr/2003 13:15
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5766-31
Sample Size:	5.09 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_223 S:9

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		26.7	0.0001	1.34E-03	0.00E+00
3,4,4',5-TetraCB	81		U		26.5	0.0001	1.33E-03	0.00E+00
2,3,3',4,4'-PentaCB	105			969	75.7	0.0001	9.69E-02	9.69E-02
2,3,4,4',5-PentaCB	114		U		67.4	0.0005	1.68E-02	0.00E+00
2,3',4,4',5-PentaCB	118			8240	64.3	0.0001	8.24E-01	8.24E-01
2',3,4,4',5-PentaCB	123			156	67.9	0.0001	1.56E-02	1.56E-02
3,3',4,4',5-PentaCB	126			500	76.2	0.1	5.00E+01	5.00E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	14400	141	0.0005	7.19E+00	7.19E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			13300	102	0.00001	1.33E-01	1.33E-01
3,3',4,4',5,5'-HexaCB	169		U		1330	0.01	6.66E+00	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			8970	126	0.0001	8.97E-01	8.97E-01
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	65.6	59.1

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8508PCBTEQ1_1, S15 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
LAB BLANK

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	N/A
Lab Name: AXYS ANALYTICAL SERVICES				
Contract No.:	4182		Lab Sample ID:	WG8508-101
Matrix:	N/A		Sample Size:	5.00 g
Sample Receipt Date:	N/A		Initial Calibration Date:	24-Apr-2003
Extraction Date:	23-Apr-2003		Instrument ID:	HR GC/MS
Analysis Date:	29-Apr-2003	Time: 0:26:59	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	50		Blank Data Filename:	PB3C_221 S:5
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_221 S:1
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_221 S:5
Concentration Units :	pg/g			

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls	U		1.48
Total Dichloro Biphenyls	U		10.1
Total Trichloro Biphenyls		22.5	2.19
Total Tetrachloro Biphenyls		41.6	2.88
Total Pentachloro Biphenyls		9.64	1.07
Total Hexachloro Biphenyls		15.5	2.73
Total Heptachloro Biphenyls		8.43	0.196
Total Octachloro Biphenyls		1.66	0.278
Total Nonachloro Biphenyls	U		5.27
Decachloro Biphenyl	U		0.242
TOTAL PCBs		99.5	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-105-S-02

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	12/Apr/2003 11:20
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5766-22 (A)
Sample Size:	5.39 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_223 S:8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			24.3	5.50	0.0001	2.43E-03	2.43E-03
3,4,4',5-TetraCB	81		U		5.37	0.0001	2.69E-04	0.00E+00
2,3,3',4,4'-PentaCB	105		U		8.57	0.0001	4.29E-04	0.00E+00
2,3,4,4',5-PentaCB	114		U		8.30	0.0005	2.07E-03	0.00E+00
2,3',4,4',5-PentaCB	118			195	7.89	0.0001	1.95E-02	1.95E-02
2',3,4,4',5-PentaCB	123		U		8.43	0.0001	4.21E-04	0.00E+00
3,3',4,4',5-PentaCB	126		U		9.27	0.1	4.63E-01	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	133	4.00	0.0005	6.65E-02	6.65E-02
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			90.2	3.01	0.00001	9.02E-04	9.02E-04
3,3',4,4',5,5'-HexaCB	169		U		11.0	0.01	5.52E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189		U		1.45	0.0001	7.23E-05	0.00E+00
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.611	0.0893

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8503PCBTEQ1_1, S13 (TEQ)

Approved by:_____QA/QC Chemist

6/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-105-S-02
(DUPLICATE)

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	12/Apr/2003 11:20
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	WG8508-103 (DUP. L5766-22)
Sample Size:	5.37 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_223 S:7

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		5.48	0.0001	2.74E-04	0.00E+00
3,4,4',5-TetraCB	81		U		5.36	0.0001	2.68E-04	0.00E+00
2,3,3',4,4'-PentaCB	105		U		9.37	0.0001	4.69E-04	0.00E+00
2,3,4,4',5-PentaCB	114		U		8.07	0.0005	2.02E-03	0.00E+00
2,3',4,4',5-PentaCB	118			179	8.39	0.0001	1.79E-02	1.79E-02
2',3,4,4',5-PentaCB	123		U		8.68	0.0001	4.33E-04	0.00E+00
3,3',4,4',5-PentaCB	126		U		10.1	0.1	5.06E-01	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	114	4.12	0.0005	5.69E-02	5.69E-02
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			82.0	3.06	0.00001	8.20E-04	8.20E-04
3,3',4,4',5,5'-HexaCB	169		U		5.73	0.01	2.86E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			36.1	1.57	0.0001	3.61E-03	3.61E-03
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.617	0.0792

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

P045990

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-302-S-03

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	12/Apr/2003 09:10
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5766-13
Sample Size:	5.92 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:9

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		3.65	0.0001	1.83E-04	0.00E+00
3,4,4',5-TetraCB	81		U		3.59	0.0001	1.79E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			39.1	3.55	0.0001	3.91E-03	3.91E-03
2,3,4,4',5-PentaCB	114		U		3.22	0.0005	8.06E-04	0.00E+00
2,3',4,4',5-PentaCB	118			72.6	3.26	0.0001	7.26E-03	7.26E-03
2',3,4,4',5-PentaCB	123			4.51	3.33	0.0001	4.51E-04	4.51E-04
3,3',4,4',5-PentaCB	126		U		3.70	0.1	1.85E-01	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	135	6.55	0.0005	6.76E-02	6.76E-02
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			70.0	4.42	0.00001	7.00E-04	7.00E-04
3,3',4,4',5,5'-HexaCB	169		U		6.37	0.01	3.18E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189		U		0.957	0.0001	4.78E-05	0.00E+00
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.298	0.0799

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8503PCBTEQ1_1, S11 (TEQ)

Approved by:_____QA/QC Chemist

8/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-103-S-03

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	12/Apr/2003 10:25
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5768-18
Sample Size:	5.52 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:10

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		3.91	0.0001	1.96E-04	0.00E+00
3,4,4',5-TetraCB	81		U		3.83	0.0001	1.91E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			50.1	1.67	0.0001	5.01E-03	5.01E-03
2,3,4,4',5-PentaCB	114		U		1.37	0.0005	3.44E-04	0.00E+00
2,3',4,4',5-PentaCB	118			85.4	1.39	0.0001	8.54E-03	8.54E-03
2',3,4,4',5-PentaCB	123		U		4.14	0.0001	2.07E-04	0.00E+00
3,3',4,4',5-PentaCB	126		U		1.80	0.1	8.98E-02	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	62.2	3.48	0.0005	3.11E-02	3.11E-02
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			39.6	2.62	0.00001	3.96E-04	3.96E-04
3,3',4,4',5,5'-HexaCB	169		U		4.53	0.01	2.27E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			20.3	0.146	0.0001	2.03E-03	2.03E-03
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.160	0.0471

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8508PCBTEQ1_1, S12 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-111-S-03

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 20:10
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5766-8
Sample Size:	5.88 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			6.23	1.57	0.0001	6.23E-04	6.23E-04
3,4,4',5-TetraCB	81		U		1.50	0.0001	7.51E-05	0.00E+00
2,3,3',4,4'-PentaCB	105			125	1.59	0.0001	1.25E-02	1.25E-02
2,3,4,4',5-PentaCB	114		U		1.54	0.0005	3.86E-04	0.00E+00
2,3',4,4',5-PentaCB	118			228	1.64	0.0001	2.28E-02	2.28E-02
2',3,4,4',5-PentaCB	123		U		1.61	0.0001	8.03E-05	0.00E+00
3,3',4,4',5-PentaCB	126			14.3	1.78	0.1	1.43E+00	1.43E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	248	3.27	0.0005	1.24E-01	1.24E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			138	2.50	0.00001	1.38E-03	1.38E-03
3,3',4,4',5,5'-HexaCB	169		U		25.5	0.01	1.28E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			76.9	1.97	0.0001	7.69E-03	7.69E-03
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	1.73	1.60

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8508PCBTEQ1_1, S10 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-311-S-15

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 19:38
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5766-5
Sample Size:	5.81 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:7

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		4.26	0.0001	2.13E-04	0.00E+00
3,4,4',5-TetraCB	81		U		4.01	0.0001	2.01E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			715	4.87	0.0001	7.15E-02	7.15E-02
2,3,4,4',5-PentaCB	114		U		4.14	0.0005	1.04E-03	0.00E+00
2,3',4,4',5-PentaCB	118			1260	4.20	0.0001	1.26E-01	1.26E-01
2',3,4,4',5-PentaCB	123			31.0	4.59	0.0001	3.10E-03	3.10E-03
3,3',4,4',5-PentaCB	126			74.1	5.35	0.1	7.41E+00	7.41E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	1660	5.10	0.0005	8.32E-01	8.32E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			773	3.95	0.00001	7.73E-03	7.73E-03
3,3',4,4',5,5'-HexaCB	169		U		14.7	0.01	7.35E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			391	5.40	0.0001	3.91E-02	3.91E-02
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	8.56	8.49

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8503PCBTEQ1_1, S9 (TEQ)

Approved by:_____QA/QC Chemist

5/16/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-408-S-02

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 16:00
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5765-17
Sample Size:	5.33 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:4

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			60.1	13.8	0.0001	6.01E-03	6.01E-03
3,4,4',5-TetraCB	81		U		13.3	0.0001	6.67E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			906	21.9	0.0001	9.06E-02	9.06E-02
2,3,4,4',5-PentaCB	114		U		19.4	0.0005	4.86E-03	0.00E+00
2,3',4,4',5-PentaCB	118			4160	18.3	0.0001	4.16E-01	4.16E-01
2',3,4,4',5-PentaCB	123		U		19.2	0.0001	9.58E-04	0.00E+00
3,3',4,4',5-PentaCB	126			670	23.3	0.1	6.70E+01	6.70E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	14900	19.6	0.0005	7.43E+00	7.43E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			7940	13.9	0.00001	7.94E-02	7.94E-02
3,3',4,4',5,5'-HexaCB	169		U		36.5	0.01	1.83E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			5460	95.5	0.0001	5.46E-01	5.46E-01
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	75.7	75.5

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V6503PCBTEQ1_1, S6 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-412-S-03

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 17:10
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5765-23
Sample Size:	5.47 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:5

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			43.1	2.04	0.0001	4.31E-03	4.31E-03
3,4,4',5-TetraCB	81		U		2.03	0.0001	1.02E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			1200	11.2	0.0001	1.20E-01	1.20E-01
2,3,4,4',5-PentaCB	114		U		11.1	0.0005	2.76E-03	0.00E+00
2,3',4,4',5-PentaCB	118			3700	10.2	0.0001	3.70E-01	3.70E-01
2',3,4,4',5-PentaCB	123			53.7	10.8	0.0001	5.37E-03	5.37E-03
3,3',4,4',5-PentaCB	126			609	11.8	0.1	6.09E+01	6.09E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	8460	10.6	0.0005	4.23E+00	4.23E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			5430	7.56	0.00001	5.43E-02	5.43E-02
3,3',4,4',5,5'-HexaCB	169		U		139	0.01	6.93E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			3000	44.4	0.0001	3.00E-01	3.00E-01
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	66.7	66.0

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8508PCBTEQ1_1, 67 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-100-S-02

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 16:00
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	LB766-27
Sample Size:	5.23 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_222 S:6

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			18.6	2.18	0.0001	1.86E-03	1.86E-03
3,4,4',5-TetraCB	81		U		2.12	0.0001	1.06E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			558	2.14	0.0001	5.58E-02	5.58E-02
2,3,4,4',5-PentaCB	114			24.7	1.85	0.0005	1.24E-02	1.24E-02
2,3',4,4',5-PentaCB	118			1360	1.79	0.0001	1.36E-01	1.36E-01
2',3,4,4',5-PentaCB	123			20.3	1.85	0.0001	2.03E-03	2.03E-03
3,3',4,4',5-PentaCB	126			59.1	2.27	0.1	5.91E+00	5.91E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	1010	1.65	0.0005	5.04E-01	5.04E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			512	1.23	0.00001	5.12E-03	5.12E-03
3,3',4,4',5,5'-HexaCB	169		U		91.2	0.01	4.56E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			275	5.54	0.0001	2.75E-02	2.75E-02
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	7.11	6.65

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V6508PCBTEQ1_1, S6 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-407-S-02

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 14:56
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5765-12
Sample Size:	5.18 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_221 S:8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			89.4	3.35	0.0001	8.94E-03	8.94E-03
3,4,4',5-TetraCB	81		U		3.28	0.0001	1.64E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			2590	4.67	0.0001	2.59E-01	2.59E-01
2,3,4,4',5-PentaCB	114			74.1	4.34	0.0005	3.71E-02	3.71E-02
2,3',4,4',5-PentaCB	118			4940	4.12	0.0001	4.94E-01	4.94E-01
2',3,4,4',5-PentaCB	123			151	4.29	0.0001	1.51E-02	1.51E-02
3,3',4,4',5-PentaCB	126			241	5.02	0.1	2.41E+01	2.41E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	2510	3.94	0.0005	1.25E+00	1.25E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			1550	2.84	0.00001	1.55E-02	1.55E-02
3,3',4,4',5,5'-HexaCB	169		U		80.9	0.01	4.54E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,6'-HeptaCB	189			566	8.05	0.0001	5.66E-02	5.66E-02
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	26.7	26.3

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-403-S-09

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 14:15
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5765-9
Sample Size:	5.41 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_221 S:7

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			131	8.39	0.0001	1.31E-02	1.31E-02
3,4,4',5-TetraCB	81		U		8.25	0.0001	4.12E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			4330	6.47	0.0001	4.33E-01	4.33E-01
2,3,4,4',5-PentaCB	114			82.4	5.68	0.0005	4.12E-02	4.12E-02
2,3',4,4',5-PentaCB	118			7740	5.65	0.0001	7.74E-01	7.74E-01
2',3,4,4',5-PentaCB	123			356	5.92	0.0001	3.56E-02	3.56E-02
3,3',4,4',5-PentaCB	126			143	6.42	0.1	1.43E+01	1.43E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	1720	5.73	0.0005	8.61E-01	8.61E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			844	4.17	0.00001	8.44E-03	8.44E-03
3,3',4,4',5,5'-HexaCB	169		U		37.5	0.01	1.87E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			229	5.74	0.0001	2.29E-02	2.29E-02
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	16.7	16.5

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
CMS-501-S-04

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	11/Apr/2003 13:20
Contract No.:	4182		
Matrix:	SOLID	Lab Sample ID:	L5765-4
Sample Size:	5.66 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_221 S:6

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			22.2	5.47	0.0001	2.22E-03	2.22E-03
3,4,4',5-TetraCB	81		U		5.30	0.0001	2.65E-04	0.00E+00
2,3,3',4,4'-PentaCB	105			709	5.93	0.0001	7.09E-02	7.09E-02
2,3,4,4',5-PentaCB	114		U		4.97	0.0005	1.24E-03	0.00E+00
2,3',4,4',5-PentaCB	118			1660	4.69	0.0001	1.66E-01	1.66E-01
2',3,4,4',5-PentaCB	123			66.4	5.06	0.0001	6.64E-03	6.64E-03
3,3',4,4',5-PentaCB	126			80.2	5.81	0.1	8.02E+00	8.02E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	1980	6.86	0.0005	9.89E-01	9.89E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			1640	5.08	0.00001	1.64E-02	1.64E-02
3,3',4,4',5,5'-HexaCB	169		U		118	0.01	5.91E-01	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			962	17.1	0.0001	9.62E-02	9.62E-02
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	9.96	9.37

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8503PCBTEQ1_1, S3 (TEQ)

Approved by:_____ QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-010 Rev 04
PCB-TEQ-DL_14

CLIENT ID:
LAB BLANK

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	N/A
Contract No.:	4182		
Matrix:	N/A	Lab Sample ID:	WG8508-101
Sample Size:	5.00 g	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g	Sample Datafile(s):	PB3C_221 S:5

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		2.88	0.0001	1.44E-04	0.00E+00
3,4,4',5-TetraCB	81		U		2.46	0.0001	1.23E-04	0.00E+00
2,3,3',4,4'-PentaCB	105		U		1.04	0.0001	5.19E-06	0.00E+00
2,3,4,4',5-PentaCB	114		U		0.884	0.0005	2.21E-04	0.00E+00
2,3',4,4',5-PentaCB	118			6.45	0.892	0.0001	6.45E-04	6.45E-04
2',3,4,4',5-PentaCB	123		U		0.978	0.0001	4.89E-05	0.00E+00
3,3',4,4',5-PentaCB	126		U		1.07	0.1	5.33E-02	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C U		2.25	0.0005	5.63E-04	0.00E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167		U		1.62	0.00001	8.11E-06	0.00E+00
3,3',4,4',5,5'-HexaCB	169		U		1.91	0.01	9.54E-03	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			0.533	0.163	0.0001	5.33E-05	5.33E-05
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.0847	0.000698

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8508PCBTEQ1_1, S2 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

PCB Summary Data for Quality Control Samples

COMPOUND	IUPAC NO.	SPIKE CONC. (ng/mL)	WG8508-102 CONC. FOUND (ng/mL)	METHOD CONTROL LIMITS (ng/mL)
2 - MoCB	1	50.0	50.1	25.0 - 75.0
4 - MoCB	3	50.0	48.0	25.0 - 75.0
2,2' - DiCB	4	50.0	50.3	25.0 - 75.0
4,4' - DiCB	15	50.0	47.9	25.0 - 75.0
2,2',6 - TriCB	19	50.0	50.9	25.0 - 75.0
3,4,4' - TriCB	37	50.0	48.4	25.0 - 75.0
2,2',6,6' - TeCB	54	50.0	54.1	25.0 - 75.0
3,3',4,4' - TeCB	77	50.0	50.7	25.0 - 75.0
3,4,4',5 - TeCB	81	50.0	52.7	25.0 - 75.0
2,2',4,6,6' - PeCB	104	50.0	51.7	25.0 - 75.0
2,3,3',4,4' - PeCB	105	50.0	47.8	25.0 - 75.0
2,3,4,4',5 - PeCB	114	50.0	49.6	25.0 - 75.0
2,3',4,4',5 - PeCB	118	50.0	48.1	25.0 - 75.0
2',3,4,4',5 - PeCB	123	50.0	49.5	25.0 - 75.0
3,3',4,4',5 - PeCB	126	50.0	48.6	25.0 - 75.0
2,2',4,4',6,6' - HxCB	155	50.0	51.8	25.0 - 75.0
2,3,3',4,4',5 - HxCB/2,3,3',4,4',5' - HxCB	156/157	100	99.6	50.0 - 150
2,3',4,4',5,5' - HxCB	167	50.0	49.6	25.0 - 75.0
3,3',4,4',5,5' - HxCB	169	50.0	49.5	25.0 - 75.0
2,2',3,4',5,6,6' - HpCB	188	50.0	52.9	25.0 - 75.0
2,3,3',4,4',5,5' - HpCB	189	50.0	47.2	25.0 - 75.0
2,2',3,3',5,5',6,6' - OcCB	202	50.0	48.4	25.0 - 75.0
2,3,3',4,4',5,5',6 - OcCB	205	50.0	49.6	25.0 - 75.0
2,2',3,3',4,4',5,5',6 - NoCB	206	50.0	50.5	25.0 - 75.0
2,2',3,3',4,5,5',6,6' - NoCB	208	50.0	50.4	25.0 - 75.0
2,2',3,3',4,4',5,5',6,6' - DeCB	209	50.0	50.3	25.0 - 75.0
Labeled standard		(pg)	(pg)	(pg)
13C12-2 - MoCB	1L	2000	813	400 - 2800
13C12-4 - MoCB	3L	2000	827	400 - 2800
13C12-2,2' - DiCB	4L	2000	840	600 - 2800
13C12-4,4' - DiCB	15L	2000	893	600 - 2800
13C12-2,2',6 - TriCB	19L	2000	946	600 - 2800
13C12-3,4,4' - TriCB	37L	2000	1020	600 - 2800
13C12-2,2',6,6' - TeCB	54L	2000	926	600 - 2800
13C12-3,3',4,4' - TeCB	77L	2000	1220	600 - 2800
13C12-3,4,4',5 - TeCB	81L	2000	1180	600 - 2800
13C12-2,2',4,6,6' - PeCB	104L	2000	1120	600 - 2800
13C12-2,3,3',4,4' - PeCB	105L	2000	1150	600 - 2800
13C12-2,3,4,4',5 - PeCB	114L	2000	1180	600 - 2800
13C12-2,3',4,4',5 - PeCB	118L	2000	1350	600 - 2800

13C12-2',3,4,4',5 - PeCB	123L	2000	1310	600	-	2800
13C12-3,3',4,4',5 - PeCB	126L	2000	1160	600	-	2800
13C12-2,2',4,4',6,6' - HxCB	155L	2000	1360	600	-	2800
13C12-2,3,3',4,4',5 - HxCB/13C12-2,3,3',4,4',5' - HxCB	156L/157L	4000	2860	1200	-	5600
13C12-2,3',4,4',5,5' - HxCB	167L	2000	1560	600	-	2800
13C12-3,3',4,4',5,5' - HxCB	169L	2000	1380	600	-	2800
13C12-2,2',3,4',5,6,6' - HpCB	188L	2000	1190	600	-	2800
13C12-2,3,3',4,4',5,5' - HpCB	189L	2000	1330	600	-	2800
13C12-2,2',3,3',5,5',6,6' - OcCB	202L	2000	1250	600	-	2800
13C12-2,3,3',4,4',5,5',6 - OcCB	205L	2000	1560	600	-	2800
13C12-2,2',3,3',4,4',5,5',6 - NoCB	206L	2000	1560	600	-	2800
13C12-2,2',3,3',4,55',6,6' - NoCB	208L	2000	1530	600	-	2800
13C12-2,2',3,3',4,4',5,5',6,6' - DeCB	209L	2000	1640	600	-	2800
Extraction standard		(ng/mL)	(ng/mL)	(ng/mL)		
13C12- 2,4,4' - TriCB	28L	1000	973	400	-	1250
13C12-2,3,3',5,5' - PeCB	111L	1000	1150	400	-	1250
13C12-2,2',3,3',5,5',6 - HpCB	178L	1000	1180	400	-	1250

PCB Summary of Results

CLIENT ID	AXYS ID	WORKGROUP	Total PCB	Units	TEQ U=1/2 DL	TEQ U=0
WG8508-101	LAB BLANK	WG8508	99.5	pg/g	0.0647	0.000698
L5765-4	CMS-501-S-04	WG8508	553000	pg/g	9.96	9.37
L5765-9	CMS-403-S-09	WG8508	131000	pg/g	16.7	16.5
L5765-12	CMS-407-S-02	WG8508	316000	pg/g	26.7	26.3
L5765-17	CMS-406-S-02	WG8508	3200000	pg/g	75.7	75.5
L5765-23	CMS-412-S-03	WG8508	1540000	pg/g	66.7	66
L5765-27	CMS-100-S-02	WG8508	135000	pg/g	7.11	6.65
L5766-5	CMS-311-S-15	WG8508	174000	pg/g	8.56	8.49
L5766-8	CMS-111-S-08	WG8508	42700	pg/g	1.73	1.6
L5766-13	CMS-302-S-03	WG8508	23500	pg/g	0.298	0.0799
L5766-18	CMS-103-S-03	WG8508	12900	pg/g	0.16	0.0471
L5766-22 (A)	CMS-105-S-02	WG8508	24100	pg/g	0.611	0.0893
WG8508-103	CMS-105-S-02	WG8508	20400	pg/g	0.617	0.0792
L5766-31	CMS-108-S-06	WG8508	5380000	pg/g	65.8	59.1

PCB Summary of Results

CLIENT ID	AXYS ID	WORKGROUP	Total PCB	Units	TEQ ND=1/2DL	TEQ ND=0
231123-01	L5630-1 L	WG8318	1040000	pg/L	25	25
231123-02	L5630-2 L	WG8318	1040000	pg/L	25.5	25.5
BLANK	L5630-3 L	WG8318	54.9	pg/L	0.0023	0.0000991
CMS-VC-106-1	L5611-1 L	WG8318	102000	pg/g	1.17	1.17
CMS-VC-405-1	L5611-2 L	WG8318	188000	pg/g	6.66	6.66
CMS-VC-406-1	L5611-3 L	WG8318	868000	pg/g	34.6	34.6
LAB BLANK	WG8318-101 L	WG8318	17.7	pg/L	0.00352	0.000123

PCB Summary of Results

CLIENT ID	AXYS ID	WORKGROUP	Total PCB	Units	TEQ U=1/2 DL	TEQ U=0
LAB BLANK	WG8343-101	WG8343	1360	pg/g	0.392	0.0013
LS-6	L5712-3	WG8343	4520000	pg/g	77	74.2
LS-8	L5712-1	WG8343	3540000	pg/g	46.2	43
STP-1B	L5712-2	WG8343	3060000	pg/g	31.7	28.8
STP-2A	L5712-4	WG8343	2520000	pg/g	44.6	43

DIOXIN Summary of Results

CLIENT ID	AXYS ID	WORKGROUP	Total Dx/F	Units	TEQ ND=1/2DL	TEQ ND=0
CMS-VC-106-1	L5611-1	WG8318	2520	pg/g	7.49	7.49
CMS-VC-405-1	L5611-2	WG8318	21100	pg/g	390	390
CMS-VC-406-1	L5611-3 W	WG8318	61200	pg/g	168	168
LAB BLANK	WG8318-101	WG8318	0.223	pg/g	0.169	0.0000223

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	06/Feb/2003	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5630-1 L	
Matrix:	STORM WATER		Sample Size:	17.7	L
Sample Receipt Date:	28-Feb-2003		Initial Calibration Date:	07-Feb-2003	
Extraction Date:	27-Mar-2003		Instrument ID:	HR GC/MS	
Analysis Date:	05-Apr-2003	Time: 2:54:32	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	22		Blank Data Filename:	PB3C_175 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_175 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_175 S:8 PB3C_176 S:7	
Concentration Units :	pg/L				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		41.6	0.133
Total Dichloro Biphenyls		269	0.445
Total Trichloro Biphenyls		741	0.213
Total Tetrachloro Biphenyls		4990	1.55
Total Pentachloro Biphenyls		54100	4.23
Total Hexachloro Biphenyls		416000	4.30
Total Heptachloro Biphenyls		439000	4.02
Total Octachloro Biphenyls		112000	82.1
Total Nonachloro Biphenyls		7370	1.96
Decachloro Biphenyl		184	0.0682
TOTAL PCBs		1040000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	06/Feb/2003	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		**Lab Sample ID:**	L5630-2 L	
Matrix:	STORM WATER		**Sample Size:**	16.8	L
Sample Receipt Date:	28-Feb-2003		**Initial Calibration Date:**	07-Feb-2003	
Extraction Date:	27-Mar-2003		**Instrument ID:**	HR GC/MS	
Analysis Date:	05-Apr-2003	Time: 3:59:45	**GC Column ID:**	SPB-OCTYL	
Extract Volume (µL):	22		**Blank Data Filename:**	PB3C_175 S:5	
Injection Volume (µL):	1.0		**Cal. Ver. Data Filename:**	PB3C_175 S:1	
Dilution Factor:	N/A		**Sample Datafile(s):**	PB3C_175 S:9 PB3C_176 S:8	
Concentration Units :	pg/L				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		38.2	0.164
Total Dichloro Biphenyls		263	0.527
Total Trichloro Biphenyls		664	0.187
Total Tetrachloro Biphenyls		4420	0.648
Total Pentachloro Biphenyls		53000	4.60
Total Hexachloro Biphenyls		425000	4.23
Total Heptachloro Biphenyls		430000	3.23
Total Octachloro Biphenyls		120000	64.9
Total Nonachloro Biphenyls		7700	3.91
Decachloro Biphenyl		159	0.0724
TOTAL PCBs		1040000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
BLANK

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	N/A	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5630-3 L	
Matrix:	LAB WATER		Sample Size:	19.0	L
Sample Receipt Date:	N/A		Initial Calibration Date:	07-Feb-2003	
Extraction Date:	27-Mar-2003		Instrument ID:	HR GC/MS	
Analysis Date:	05-Apr-2003	Time: 0:44:02	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	22		Blank Data Filename:	PB3C_175 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_175 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_175 S:6	
Concentration Units :	pg/L				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		0.808	0.173
Total Dichloro Biphenyls		5.12	0.694
Total Trichloro Biphenyls		17.2	0.0757
Total Tetrachloro Biphenyls		10.7	0.0363
Total Pentachloro Biphenyls		6.00	0.0428
Total Hexachloro Biphenyls		7.43	0.0783
Total Heptachloro Biphenyls		5.76	0.0353
Total Octachloro Biphenyls		1.91	0.0208
Total Nonachloro Biphenyls	U		0.0022
Decachloro Biphenyl	U		0.0024
TOTAL PCBs		54.9	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

		Sample Collection:	08/Nov/2002 14:45
Lab Name: AXYS ANALYTICAL SERVICES			
Contract No.:	4182	Lab Sample ID:	L5611-1 L
Matrix:	DUST	Sample Size:	9.83 g (dry)
Sample Receipt Date:	25-Feb-2003	Initial Calibration Date:	07-Feb-2003
Extraction Date:	27-Mar-2003	Instrument ID:	HR GC/MS
Analysis Date:	05-Apr-2003 Time: 10:45:57	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	22	Blank Data Filename:	PB3C_175 S:5
Injection Volume (µL):	1.0	Cal. Ver. Data Filename:	PB3C_176 S:1
Dilution Factor:	N/A	Sample Datafile(s):	PB3C_176 S:4 PB3C_176 S:9
Concentration Units :	pg/g (dry weight basis)		

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		179	0.398
Total Dichloro Biphenyls		3470	0.891
Total Trichloro Biphenyls		4980	0.503
Total Tetrachloro Biphenyls		9110	0.672
Total Pentachloro Biphenyls		12800	2.39
Total Hexachloro Biphenyls		34900	0.949
Total Heptachloro Biphenyls		29800	1.22
Total Octachloro Biphenyls		5740	1.90
Total Nonachloro Biphenyls		424	0.654
Decachloro Biphenyl		159	0.237
TOTAL PCBs		102000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
CMS-VC-405-1

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	07/Nov/2002 17:20	
Lab Name: AXYS ANALYTICAL SERVICES					
Contract No.:	4182		Lab Sample ID:	L5611-2 L	
Matrix:	DUST		Sample Size:	9.52	g (dry)
Sample Receipt Date:	25-Feb-2003		Initial Calibration Date:	07-Feb-2003	
Extraction Date:	27-Mar-2003		Instrument ID:	HR GC/MS	
Analysis Date:	05-Apr-2003	Time: 11:51:13	GC Column ID:	SPB-OCTYL	
Extract Volume (µL):	22		Blank Data Filename:	PB3C_175 S:5	
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_176 S:1	
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_176 S:5 PB3C_176 S:10	
Concentration Units :	pg/g (dry weight basis)				

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		66.7	0.369
Total Dichloro Biphenyls		1030	8.08
Total Trichloro Biphenyls		3400	0.516
Total Tetrachloro Biphenyls		8730	0.912
Total Pentachloro Biphenyls		24900	28.4
Total Hexachloro Biphenyls		62200	1.35
Total Heptachloro Biphenyls		56700	1.76
Total Octachloro Biphenyls		23800	2.89
Total Nonachloro Biphenyls		4970	2.39
Decachloro Biphenyl		2420	1.03
TOTAL PCBs		186000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

8/15/2003
dd-mm-yyyy

CLIENT ID:
CMS-VC-406-1

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

		Sample Collection:	08/Nov/2002 13:15
Lab Name: AXYS ANALYTICAL SERVICES			
Contract No.:	4182	Lab Sample ID:	L5611-3 L
Matrix:	DUST	Sample Size:	6.61 g (dry)
Sample Receipt Date:	25-Feb-2003	Initial Calibration Date:	07-Feb-2003
Extraction Date:	27-Mar-2003	Instrument ID:	HR GC/MS
Analysis Date:	05-Apr-2003 Time: 3:48:02	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	22	Blank Data Filename:	PB3C_175 S:5
Injection Volume (µL):	1.0	Cal. Ver. Data Filename:	PB3C_176 S:1
Dilution Factor:	N/A	Sample Datafile(s):	PB3C_176 S:6 PB3C_177 S:8
Concentration Units :	pg/g (dry weight basis)		

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls		187	1.99
Total Dichloro Biphenyls		2990	7.34
Total Trichloro Biphenyls		13300	1.40
Total Tetrachloro Biphenyls		47300	1.53
Total Pentachloro Biphenyls		122000	5.51
Total Hexachloro Biphenyls		268000	3.84
Total Heptachloro Biphenyls		271000	4.11
Total Octachloro Biphenyls		119000	4.50
Total Nonachloro Biphenyls		18000	5.35
Decachloro Biphenyl		7030	1.43
TOTAL PCBs		868000	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

CLIENT ID:
LAB BLANK

Form 1A
HOMOLOGUE TOTAL POLYCHLORINATED BIPHENYLS (PCB) ANALYSIS REPORT

			Sample Collection:	N/A
Lab Name: AXYS ANALYTICAL SERVICES				
Contract No.:	4182		Lab Sample ID:	WG8318-101 L
Matrix:	N/A		Sample Size:	9.00 L
Sample Receipt Date:	N/A		Initial Calibration Date:	07-Feb-2003
Extraction Date:	27-Mar-2003		Instrument ID:	HR GC/MS
Analysis Date:	04-Apr-2003	Time: 1:37:32	GC Column ID:	SPB-OCTYL
Extract Volume (µL):	22		Blank Data Filename:	PB3C_175 S:5
Injection Volume (µL):	1.0		Cal. Ver. Data Filename:	PB3C_175 S:1
Dilution Factor:	N/A		Sample Datafile(s):	PB3C_176 S:6 PB3C_177 S:6
Concentration Units :	pg/L			

PCB HOMOLOGUE GROUP	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT
Total Monochloro Biphenyls	U		1.23
Total Dichloro Biphenyls	U		0.781
Total Trichloro Biphenyls		2.97	0.0838
Total Tetrachloro Biphenyls		3.68	0.0422
Total Pentachloro Biphenyls		2.10	0.0570
Total Hexachloro Biphenyls		5.07	0.177
Total Heptachloro Biphenyls		3.20	0.0671
Total Octachloro Biphenyls		0.399	0.0171
Total Nonachloro Biphenyls		0.178	0.0059
Decachloro Biphenyl		0.110	0.0051
TOTAL PCBs		17.7	

(1) U = Not detected
(2) All header information pertains to the initial instrumental analysis of the sample extract.
Additional sample datafiles listed refer to secondary analysis of the sample extract.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
PCB-TEQ-DL_14

CLIENT ID:
231123-01

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	06/Feb/2003
Contract No.:	4182		
Matrix:	STORM WATER	Lab Sample ID:	L5630-1 L
Sample Size:	17.7 L	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/L	Sample Datafile(s):	PB3C_175 S:8 PB3C_176 S:7

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			231	1.55	0.0001	2.31E-02	2.31E-02
3,4,4',5-TetraCB	81			5.19	1.48	0.0001	5.19E-04	5.19E-04
2,3,3',4,4'-PentaCB	105			1620	3.90	0.0001	1.62E-01	1.62E-01
2,3,4,4',5-PentaCB	114			72.3	3.43	0.0005	3.62E-02	3.62E-02
2,3',4,4',5-PentaCB	118			3280	39.3	0.0001	3.28E-01	3.28E-01
2',3,4,4',5-PentaCB	123			63.5	3.40	0.0001	6.35E-03	6.35E-03
3,3',4,4',5-PentaCB	126			216	4.06	0.1	2.16E+01	2.16E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	5280	2.76	0.0005	2.64E+00	2.64E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			2750	2.08	0.00001	2.75E-02	2.75E-02
3,3',4,4',5,5'-HexaCB	169		U		4.30	0.01	2.15E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,6'-HeptaCB	189			1930	4.02	0.0001	1.93E-01	1.93E-01
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	25.0	25.0

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318PCBTEQ_1, S2 (TEQ)

Approved by:_____QA/QC Chemist

5/16/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
PCB-TEQ-DL_14

CLIENT ID:
231123-02

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	08/Feb/2003
Contract No.:	4182		
Matrix:	STORM WATER	Lab Sample ID:	LS630-2 L
Sample Size:	16.8 L	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/L	Sample Datafile(s):	PB3C_175 S:9 PB3C_176 S:8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			244	0.647	0.0001	2.44E-02	2.44E-02
3,4,4',5-TetraCB	81			3.54	0.630	0.0001	3.54E-04	3.54E-04
2,3,3',4,4'-PentaCB	105			1600	4.05	0.0001	1.60E-01	1.60E-01
2,3,4,4',5-PentaCB	114			68.9	3.90	0.0005	3.45E-02	3.45E-02
2,3',4,4',5-PentaCB	118			3380	33.4	0.0001	3.38E-01	3.38E-01
2',3,4,4',5-PentaCB	123			60.4	3.80	0.0001	6.04E-03	6.04E-03
3,3',4,4',5-PentaCB	126			223	4.29	0.1	2.23E+01	2.23E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	4980	3.47	0.0005	2.49E+00	2.49E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			2690	2.29	0.00001	2.69E-02	2.69E-02
3,3',4,4',5,5'-HexaCB	169		U		3.70	0.01	1.85E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			1820	3.23	0.0001	1.82E-01	1.82E-01
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	25.5	25.5

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318PCBTEQ_1, S3 (TEQ)

Approved by:_____QA/QC Chemist

6/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
PCB-TEQ-DL_14

CLIENT ID:
BLANK

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	N/A
Contract No.:	4182		
Matrix:	LAB WATER	Lab Sample ID:	L5630-3 L
Sample Size:	19.0 L	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/L	Sample Datafile(s):	PB3C_175 S:6

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		0.0328	0.0001	1.64E-06	0.00E+00
3,4,4',5-TetraCB	81		U		0.0339	0.0001	1.70E-06	0.00E+00
2,3,3',4,4'-PentaCB	105			0.355	0.0336	0.0001	3.55E-05	3.55E-05
2,3,4,4',5-PentaCB	114		U		0.0288	0.0005	7.20E-06	0.00E+00
2,3',4,4',5-PentaCB	118			0.629	0.0280	0.0001	6.29E-05	6.29E-05
2',3,4,4',5-PentaCB	123		U		0.0284	0.0001	1.42E-06	0.00E+00
3,3',4,4',5-PentaCB	126		U		0.0378	0.1	1.89E-03	0.00E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C U		0.0614	0.0005	1.54E-05	0.00E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			0.072	0.0409	0.00001	7.20E-07	7.20E-07
3,3',4,4',5,5'-HexaCB	169		U		0.0570	0.01	2.85E-04	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189		U		0.0353	0.0001	1.77E-06	0.00E+00
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.00230	0.0000991

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 08
PCB-TEQ-DL_14

CLIENT ID:
CMS-VC-106-1

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	08/Nov/2002 14:45
Contract No.:	4182		
Matrix:	DUST	Lab Sample ID:	L5611-1 L
Sample Size:	9.83 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_176 S:4 PB3C_176 S:9

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			101	0.650	0.0001	1.01E-02	1.01E-02
3,4,4',5-TetraCB	81			3.49	0.599	0.0001	3.49E-04	3.49E-04
2,3,3',4,4'-PentaCB	105			732	0.668	0.0001	7.32E-02	7.32E-02
2,3,4,4',5-PentaCB	114			43.0	0.594	0.0005	2.15E-02	2.15E-02
2,3',4,4',5-PentaCB	118			1650	0.591	0.0001	1.65E-01	1.65E-01
2',3,4,4',5-PentaCB	123			27.6	0.619	0.0001	2.76E-03	2.76E-03
3,3',4,4',5-PentaCB	126			7.26	0.735	0.1	7.26E-01	7.26E-01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	328	0.949	0.0005	1.64E-01	1.64E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			130	1.49	0.00001	1.30E-03	1.30E-03
3,3',4,4',5,5'-HexaCB	169		U		0.817	0.01	4.09E-03	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			35.3	0.892	0.0001	3.53E-03	3.53E-03
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	1.17	1.17

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318PCBTEQ_1, S5 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
PCB-TEQ-DL_14

CLIENT ID:
CMS-VC-405-1

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	07/Nov/2002 17:20
Contract No.:	4182		
Matrix:	DUST	Lab Sample ID:	L5811-2 L
Sample Size:	9.82 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_176 S:8 PB3C_176 S:10

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			146	0.838	0.0001	1.46E-02	1.46E-02
3,4,4',5-TetraCB	81			5.00	0.791	0.0001	5.00E-04	5.00E-04
2,3,3',4,4'-PentaCB	105			2600	1.47	0.0001	2.60E-01	2.60E-01
2,3,4,4',5-PentaCB	114			114	1.26	0.0005	5.70E-02	5.70E-02
2,3',4,4',5-PentaCB	118			4660	1.19	0.0001	4.66E-01	4.66E-01
2',3,4,4',5-PentaCB	123			66.1	1.19	0.0001	6.61E-03	6.61E-03
3,3',4,4',5-PentaCB	126			49.2	1.45	0.1	4.92E+00	4.92E+00
2,3,3',4,4',5-HexaCB	156	156 + 157	C	1790	1.34	0.0005	8.93E-01	8.93E-01
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			609	11.0	0.00001	6.09E-03	6.09E-03
3,3',4,4',5,5'-HexaCB	169		U		1.35	0.01	6.73E-03	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			294	1.76	0.0001	2.94E-02	2.94E-02
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	6.66	6.66

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
PCB-TEQ-DL_14

CLIENT ID:
CMS-VC-406-1

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES		Sample Collection:	08/Nov/2002 13:15
Contract No.:	4182		
Matrix:	DUST	Lab Sample ID:	L5611-3 L
Sample Size:	6.61 g (dry)	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/g (dry weight basis)	Sample Datafile(s):	PB3C_176 S:6 PB3C_177 S:8

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77			618	1.44	0.0001	6.18E-02	6.18E-02
3,4,4',5-TetraCB	81			22.2	1.34	0.0001	2.22E-03	2.22E-03
2,3,3',4,4'-PentaCB	105			9280	5.12	0.0001	9.28E-01	9.28E-01
2,3,4,4',5-PentaCB	114			489	3.62	0.0005	2.45E-01	2.45E-01
2,3',4,4',5-PentaCB	118			17700	3.51	0.0001	1.77E+00	1.77E+00
2',3,4,4',5-PentaCB	123			279	3.44	0.0001	2.79E-02	2.79E-02
3,3',4,4',5-PentaCB	126			286	5.51	0.1	2.86E+01	2.86E+01
2,3,3',4,4',5-HexaCB	156	156 + 157	C	5570	3.55	0.0005	2.78E+00	2.78E+00
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167			2210	33.0	0.00001	2.21E-02	2.21E-02
3,3',4,4',5,5'-HexaCB	169		U		3.84	0.01	1.92E-02	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189			1420	4.11	0.0001	1.42E-01	1.42E-01
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	34.6	34.6

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318PCBTEQ_1, S7 (TEQ)

Approved by:_____QA/QC Chemist

6/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
PCB-TEQ-DL_14

CLIENT ID:
LAB BLANK

Form 1C
PCB CONGENER TEQ ANALYSIS REPORT

Lab Name: AXYS ANALYTICAL SERVICES			Sample Collection:	N/A
Contract No.:	4182			
Matrix:	N/A		Lab Sample ID:	WG8318-101 L
Sample Size:	9.00	L	GC Column ID(s):	SPB-OCTYL
Concentration Units :	pg/L		Sample Datafile(s):	PB3C_175 S:5

COMPOUND	IUPAC NO.	CO-ELUTIONS	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
3,3',4,4'-TetraCB	77		U		0.0422	0.0001	2.11E-06	0.00E+00
3,4,4',5-TetraCB	81		U		0.0394	0.0001	1.97E-06	0.00E+00
2,3,3',4,4'-PentaCB	105		U		0.0495	0.0001	2.48E-06	0.00E+00
2,3,4,4',5-PentaCB	114		U		0.0454	0.0005	1.14E-05	0.00E+00
2,3',4,4',5-PentaCB	118			0.508	0.0409	0.0001	5.08E-05	5.08E-05
2',3,4,4',5-PentaCB	123		U		0.0454	0.0001	2.27E-06	0.00E+00
3,3',4,4',5-PentaCB	126		U		0.0543	0.1	2.72E-03	0.00E+00
.,3,3',4,4',5-HexaCB	156	156 + 157	C	0.144	0.142	0.0005	7.20E-05	7.20E-05
2,3,3',4,4',5'-HexaCB	157	156 + 157	C156					
2,3',4,4',5,5'-HexaCB	167		U		0.0929	0.00001	4.65E-07	0.00E+00
3,3',4,4',5,5'-HexaCB	169		U		0.132	0.01	6.61E-04	0.00E+00
2,2',3,3',4,4',5-HeptaCB	170		Z					
2,2',3,4,4',5,5'-HeptaCB	180	180 + 193	Z					
2,3,3',4,4',5,5'-HeptaCB	189		U		0.0671	0.0001	3.36E-06	0.00E+00
2,3,3',4',5,5',6-HeptaCB	193	180 + 193	Z					
						TOTAL TEQ	0.00352	0.000123

(1) C = co-eluting congener; U = not detected; Z = compound not requested
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318PCBTEQ_1, S8 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
DXTEQ-D1

CLIENT ID:
CMS-VC-405-1

PCDD/PCDF ANALYSIS TEQ DATA REPORT

Lab Name: AXYS ANALYTICAL SERVICES		**Sample Collection:**	07/Nov/2002 17:20
Contract No.:	4182		
Matrix:	DUST	**Lab Sample ID:**	L5611-2
Sample Size:	9.82 g (dry)	**GC Column ID(s):**	DB-5 DB-225
Concentration Units:	pg/g (dry weight basis)	**Sample Datafile(s):**	DX32_169D S:11 DB33_136 S:17

COMPOUND	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
2,3,7,8-TCDD		0.702	0.100	1	7.02E-01	7.02E-01
1,2,3,7,8-PeCDD		3.31	0.100	1	3.31E+00	3.31E+00
1,2,3,4,7,8-HxCDD		3.20	0.100	0.1	3.20E-01	3.20E-01
1,2,3,6,7,8-HxCDD		37.1	0.100	0.1	3.71E+00	3.71E+00
1,2,3,7,8,9-HxCDD		14.8	0.100	0.1	1.48E+00	1.48E+00
1,2,3,4,6,7,8-HpCDD		463	0.271	0.01	4.63E+00	4.63E+00
OCDD		2930	3.20	0.0001	2.93E-01	2.93E-01
2,3,7,8-TCDF		6.37	0.100	0.1	6.37E-01	6.37E-01
1,2,3,7,8-PeCDF		10.8	0.100	0.05	5.38E-01	5.38E-01
2,3,4,7,8-PeCDF		285	0.100	0.5	1.43E+02	1.43E+02
1,2,3,4,7,8-HxCDF		1190	0.390	0.1	1.19E+02	1.19E+02
1,2,3,6,7,8-HxCDF		414	0.390	0.1	4.14E+01	4.14E+01
1,2,3,7,8,9-HxCDF		4.81	0.390	0.1	4.81E-01	4.81E-01
2,3,4,6,7,8-HxCDF		152	0.390	0.1	1.52E+01	1.52E+01
1,2,3,4,6,7,8-HpCDF		4980	0.860	0.01	4.98E+01	4.98E+01
1,2,3,4,7,8,9-HpCDF		594	0.860	0.01	5.94E+00	5.94E+00
OCDF		2020	1.20	0.0001	2.02E-01	2.02E-01
			TOTAL TEQ		390	390

(1) U = not detected
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318TEQ_1, S3 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
DXTEQ-D1

CLIENT ID:
CMS-VC-406-1

PCDD/PCDF ANALYSIS TEQ DATA REPORT

Lab Name: AXYS ANALYTICAL SERVICES		**Sample Collection:**	08/Nov/2002 13:15
Contract No.:	4182		
Matrix:	DUST	**Lab Sample ID:**	L5611-3 W
Sample Size:	6.61 g (wet)	**GC Column ID(s):**	DB-5 DB-225
Concentration Units:	pg/g (wet weight basis)	**Sample Datafile(s):**	DX32_170 S:11 DB33_141 S:12

COMPOUND	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
2,3,7,8-TCDD		2.75	0.150	1	2.75E+00	2.75E+00
1,2,3,7,8-PeCDD		15.0	0.150	1	1.50E+01	1.50E+01
1,2,3,4,7,8-HxCDD		15.9	0.410	0.1	1.59E+00	1.59E+00
1,2,3,6,7,8-HxCDD		257	0.410	0.1	2.57E+01	2.57E+01
1,2,3,7,8,9-HxCDD		75.0	0.410	0.1	7.50E+00	7.50E+00
1,2,3,4,6,7,8-HpCDD		5370	1.68	0.01	5.37E+01	5.37E+01
OCDD		32600	45.4	0.0001	3.26E+00	3.26E+00
2,3,7,8-TCDF		14.3	0.205	0.1	1.43E+00	1.43E+00
1,2,3,7,8-PeCDF		3.97	0.310	0.05	1.98E-01	1.98E-01
2,3,4,7,8-PeCDF		4.10	0.310	0.5	2.05E+00	2.05E+00
1,2,3,4,7,8-HxCDF		102	0.760	0.1	1.02E+01	1.02E+01
1,2,3,6,7,8-HxCDF		71.5	0.760	0.1	7.15E+00	7.15E+00
1,2,3,7,8,9-HxCDF		3.17	0.760	0.1	3.17E-01	3.17E-01
2,3,4,6,7,8-HxCDF		72.1	0.760	0.1	7.21E+00	7.21E+00
1,2,3,4,6,7,8-HpCDF		2950	1.48	0.01	2.95E+01	2.95E+01
1,2,3,4,7,8,9-HpCDF		49.6	1.48	0.01	4.96E-01	4.96E-01
OCDF		1230	0.984	0.0001	1.23E-01	1.23E-01
			TOTAL TEQ		168	168

(1) U = not detected
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

Dioxin QC Summary Data

COMPOUND	SPIKE CONC. (ng/mL)	WG8318-102	METHOD CONTROL LIMITS (ng/mL)		
2,3,7,8-TCDD	11.0	9.78	7.4	-	17.4
1,2,3,7,8-PeCDD	50.0	45.6	35	-	71
1,2,3,4,7,8-HxCDD	50.0	43.8	35	-	82
1,2,3,6,7,8-HxCDD	50.0	43.7	38	-	67
1,2,3,7,8,9-HxCDD	50.0	43.1	32	-	81
1,2,3,4,6,7,8-HpCDD	50.0	42.7	35	-	70
OCDD	100	86.3	78	-	144
2,3,7,8-TCDF	10.0	8.80	7.5	-	15.8
1,2,3,7,8-PeCDF	50.0	42.6	40	-	67
2,3,4,7,8-PeCDF	50.0	43.5	34	-	80
1,2,3,4,7,8-HxCDF	50.0	43.0	36	-	67
1,2,3,6,7,8-HxCDF	50.0	43.9	42	-	65
1,2,3,7,8,9-HxCDF	50.0	44.0	39	-	65
2,3,4,6,7,8-HxCDF	50.0	43.3	35	-	78
1,2,3,4,6,7,8-HpCDF	50.0	45.4	41	-	61
1,2,3,4,7,8,9-HpCDF	50.0	43.5	39	-	69
OCDF	100	85.0	63	-	170
13C-2,3,7,8-TCDD	100	65.0	20	-	175
13C-1,2,3,7,8-PeCDD	100	95.6	21	-	227
13C-1,2,3,4,7,8-HxCDD	100	86.4	21	-	193
13C-1,2,3,6,7,8-HxCDD	100	84.0	25	-	163
13C-1,2,3,4,6,7,8-HpCDD	100	98.0	26	-	166
13C-OCDD	200	180	26	-	397
13C-2,3,7,8-TCDF	100	72.6	22	-	152
13C-1,2,3,7,8-PeCDF	100	79.7	21	-	192
13C-2,3,4,7,8-PeCDF	100	84.4	13	-	328
13C-1,2,3,4,7,8-HxCDF	100	79.8	19	-	202
13C-1,2,3,6,7,8-HxCDF	100	77.8	21	-	159
13C-1,2,3,7,8,9-HxCDF	100	76.0	17	-	205
13C-2,3,4,6,7,8-HxCDF	100	79.7	22	-	176
13C-1,2,3,4,6,7,8-HpCDF	100	88.7	21	-	158
13C-1,2,3,4,7,8,9-HpCDF	100	89.0	20	-	186
37Cl-2,3,7,8-TCDD	10.0	6.00	3.1	-	19.1

CLIENT ID	CMS-VC-106-1	CMS-VC-405-1	CMS-VC-406-1	LAB BLANK	SPIKED MATRIX
AXYS ID	L5611-1	L5611-2	L5611-3 W	WG8318-101	WG8318-102
WORKGROUP	WG8318	WG8318	WG8318	WG8318	WG8318
UNITS	pg/g (dry)	pg/g (dry)	pg/g (dry)	pg/g	% REC
2,3,7,8-TCDD	0.542	0.702	2.75	<0.100	88.9
1,2,3,7,8-PeCDD	1.84	3.31	15	<0.100	91
1,2,3,4,7,8-HxCDD	1.25	3.2	15.9	<0.100	87.6
1,2,3,6,7,8-HxCDD	4.61	37.1	257	<0.100	87.5
1,2,3,7,8,9-HxCDD	2.84	14.8	75	<0.100	86.1
1,2,3,4,6,7,8-HpCDI	230	463	5370	R0.101	85.5
OCDD	1840	2930	32600	0.223	86.3
2,3,7,8-TCDF	3.23	23.7	31.2	<0.100	88
2,3,7,8-TCDF (C)	1.03	6.37	14.3		
1,2,3,7,8-PeCDF	0.983	10.8	3.97	<0.100	85.2
2,3,4,7,8-PeCDF	1.55	285	4.1	<0.100	87
1,2,3,4,7,8-HxCDF	1.93	1190	102	<0.100	86
1,2,3,6,7,8-HxCDF	1.59	414	71.5	<0.100	87.8
1,2,3,7,8,9-HxCDF	0.569	4.81	3.17	<0.100	88.1
2,3,4,6,7,8-HxCDF	1.55	152	72.1	<0.100	86.5
1,2,3,4,6,7,8-HpCDI	23	4980	2950	<0.100	90.7
1,2,3,4,7,8,9-HpCDI	1.98	594	49.6	<0.100	87.1
OCDF	57.6	2020	1230	<0.100	85
Total 2,3,7,8s	2170	13100	42800	0.223	
Total Tetra-Dioxin:	32	10.2	31.1	<0.100	
Total Penta-Dioxir	25.8	27.3	82.8	<0.100	
Total Hexa-Dioxins	35.8	266	1090	<0.100	
Total Hepta-Dioxir	397	921	9990	<0.100	
Total Tetra-Furans	22.7	82.5	176	<0.100	
Total Penta-Furan	20.4	932	520	<0.100	
Total Hexa-Furans	24.5	4060	7740	<0.100	
Total Hepta-Furan	60.3	9810	7710	<0.100	
DX TEQ1 (ND = 1/2	7.49	390	168	0.169	
DX TEQ2 (ND = 0)	7.49	390	168	0.0000223	
	R = peak detected, but did not meet quantification criteria				

P046025

P046026

AXYS METHOD MLA-013 Rev 05
DXTEQ-D1

CLIENT ID:
LAB BLANK

PCDD/PCDF ANALYSIS TEQ DATA REPORT

Lab Name: AXYS ANALYTICAL SERVICES		**Sample Collection:**	N/A
Contract No.:	4182		
Matrix:	N/A	**Lab Sample ID:**	WG8318-101
Sample Size:	10.0 g	**GC Column ID(s):**	DB-5
Concentration Units:	pg/g	**Sample Datafile(s):**	DX32_169D S:5

COMPOUND	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
2,3,7,8-TCDD	U		0.100	1	5.00E-02	0.00E+00
1,2,3,7,8-PeCDD	U		0.100	1	5.00E-02	0.00E+00
1,2,3,4,7,8-HxCDD	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,6,7,8-HxCDD	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,7,8,9-HxCDD	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,4,6,7,8-HpCDD	U		0.100	0.01	5.00E-04	0.00E+00
OCDD		0.223	0.100	0.0001	2.23E-05	2.23E-05
2,3,7,8-TCDF	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,7,8-PeCDF	U		0.100	0.05	2.50E-03	0.00E+00
2,3,4,7,8-PeCDF	U		0.100	0.5	2.50E-02	0.00E+00
1,2,3,4,7,8-HxCDF	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,6,7,8-HxCDF	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,7,8,9-HxCDF	U		0.100	0.1	5.00E-03	0.00E+00
2,3,4,6,7,8-HxCDF	U		0.100	0.1	5.00E-03	0.00E+00
1,2,3,4,6,7,8-HpCDF	U		0.100	0.01	5.00E-04	0.00E+00
1,2,3,4,7,8,9-HpCDF	U		0.100	0.01	5.00E-04	0.00E+00
OCDF	U		0.100	0.0001	5.00E-06	0.00E+00
			TOTAL TEQ		0.169	0.0000223

(1) U = not detected
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy

AXYS METHOD MLA-013 Rev 05
DXTEQ-D1

CLIENT ID:
CMS-VC-106-1

PCDD/PCDF ANALYSIS TEQ DATA REPORT

Lab Name: AXYS ANALYTICAL SERVICES		**Sample Collection:**	08/Nov/2002 14:45
Contract No.:	4182		
Matrix:	DUST	**Lab Sample ID:**	L5611-1
Sample Size:	9.83 g (dry)	**GC Column ID(s):**	DB-5 DB-225
Concentration Units:	pg/g (dry weight basis)	**Sample Datafile(s):**	DX32_169D S:10 DB33_141 S:11

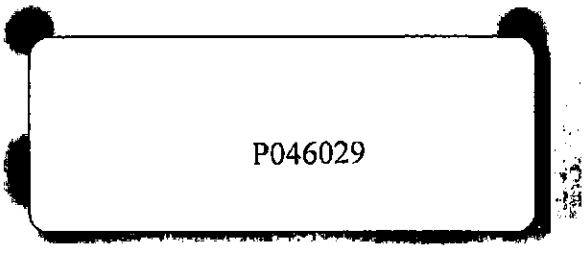
COMPOUND	LAB FLAG[1]	CONC. FOUND	DETECTION LIMIT	WHO 1998 TEF	TEQ U=1/2 DL	TEQ U=0
2,3,7,8-TCDD		0.542	0.100	1	5.42E-01	5.42E-01
1,2,3,7,8-PeCDD		1.84	0.100	1	1.84E+00	1.84E+00
1,2,3,4,7,8-HxCDD		1.25	0.110	0.1	1.25E-01	1.25E-01
1,2,3,6,7,8-HxCDD		4.61	0.110	0.1	4.61E-01	4.61E-01
1,2,3,7,8,9-HxCDD		2.84	0.110	0.1	2.84E-01	2.84E-01
1,2,3,4,6,7,8-HpCDD		230	0.266	0.01	2.30E+00	2.30E+00
OCDD		1840	1.01	0.0001	1.84E-01	1.84E-01
2,3,7,8-TCDF		1.03	0.100	0.1	1.03E-01	1.03E-01
1,2,3,7,8-PeCDF		0.983	0.100	0.05	4.92E-02	4.92E-02
2,3,4,7,8-PeCDF		1.55	0.100	0.5	7.74E-01	7.74E-01
1,2,3,4,7,8-HxCDF		1.93	0.130	0.1	1.93E-01	1.93E-01
1,2,3,6,7,8-HxCDF		1.59	0.130	0.1	1.59E-01	1.59E-01
1,2,3,7,8,9-HxCDF		0.569	0.130	0.1	5.69E-02	5.69E-02
2,3,4,6,7,8-HxCDF		1.55	0.130	0.1	1.55E-01	1.55E-01
1,2,3,4,6,7,8-HpCDF		23.0	0.140	0.01	2.30E-01	2.30E-01
1,2,3,4,7,8,9-HpCDF		1.98	0.140	0.01	1.98E-02	1.98E-02
OCDF		57.6	0.364	0.0001	5.76E-03	5.76E-03
			TOTAL TEQ		7.49	7.49

(1) U = not detected
(2) Concentrations that do not meet quantification criteria are not included in the TEQ calculations.

V8318TEQ_1, S2 (TEQ)

Approved by:_____QA/QC Chemist

5/15/2003
dd-mm-yyyy


P046029

Section B – PCB Contamination Maps

3TM International has prepared additional maps in order to better describe the nature and extent of PCB contamination at the Kuhlman Electric Plant site and throughout the surrounding community of Crystal Springs.

These maps include:

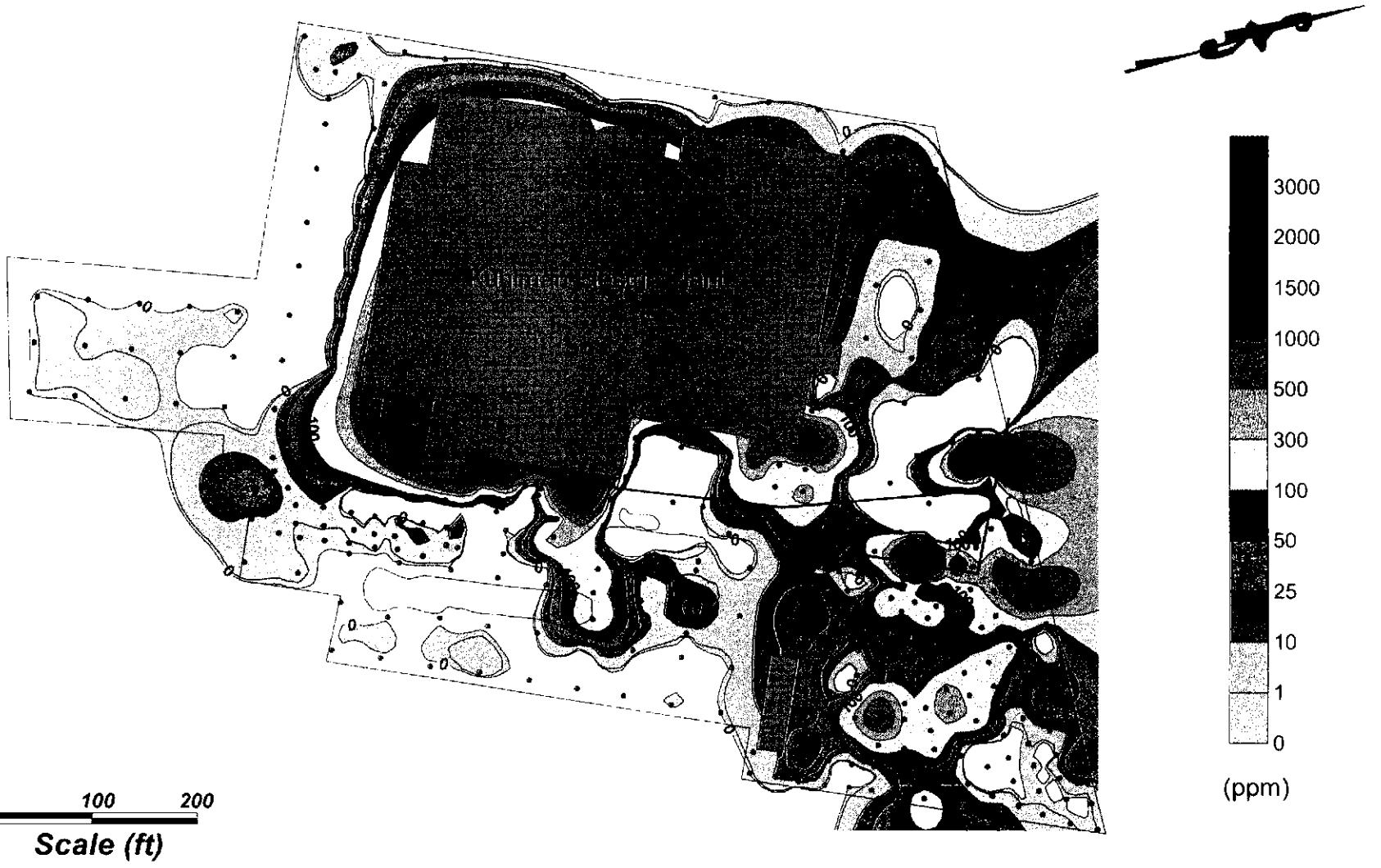
Figure 1 Aroclor 1260 Concentrations in Surface Soils (0 - 2 feet bgs) at the Kuhlman Electric Facility. This is a basic concentration plume based on the results of sampling conducted by Kuhlman Electric and/or Borg-Warner.

Figure 2 Aroclor 1260 Detections in Off-Site Soil and Sediments in Crystal Springs, Mississippi. This is a map depicting the locations at which PCBs were detected above reporting limits throughout the community of Crystal Springs. This is based on the results of sampling conducted by Kuhlman Electric and/or Borg-Warner and by 3TM International.

Figure 3 PCB Detections in Indoor Dust Samples in Crystal Springs, Mississippi. This is a map depicting the locations at which PCBs were detected above reporting limits in indoor dust samples throughout the community of Crystal Springs.

Figure 4 Chlorinated Solvent Detection Locations at the Kuhlman Electric Facility. This is a map depicting the locations at which chlorinated solvents were detected above reporting limits in soil samples collected Kuhlman Electric and/or Borg-Warner at the plant site. Additional sampling locations are presented by Kuhlman Electric and/or Borg-Warner, however, these locations were unable to be identified and are not represented on our maps.

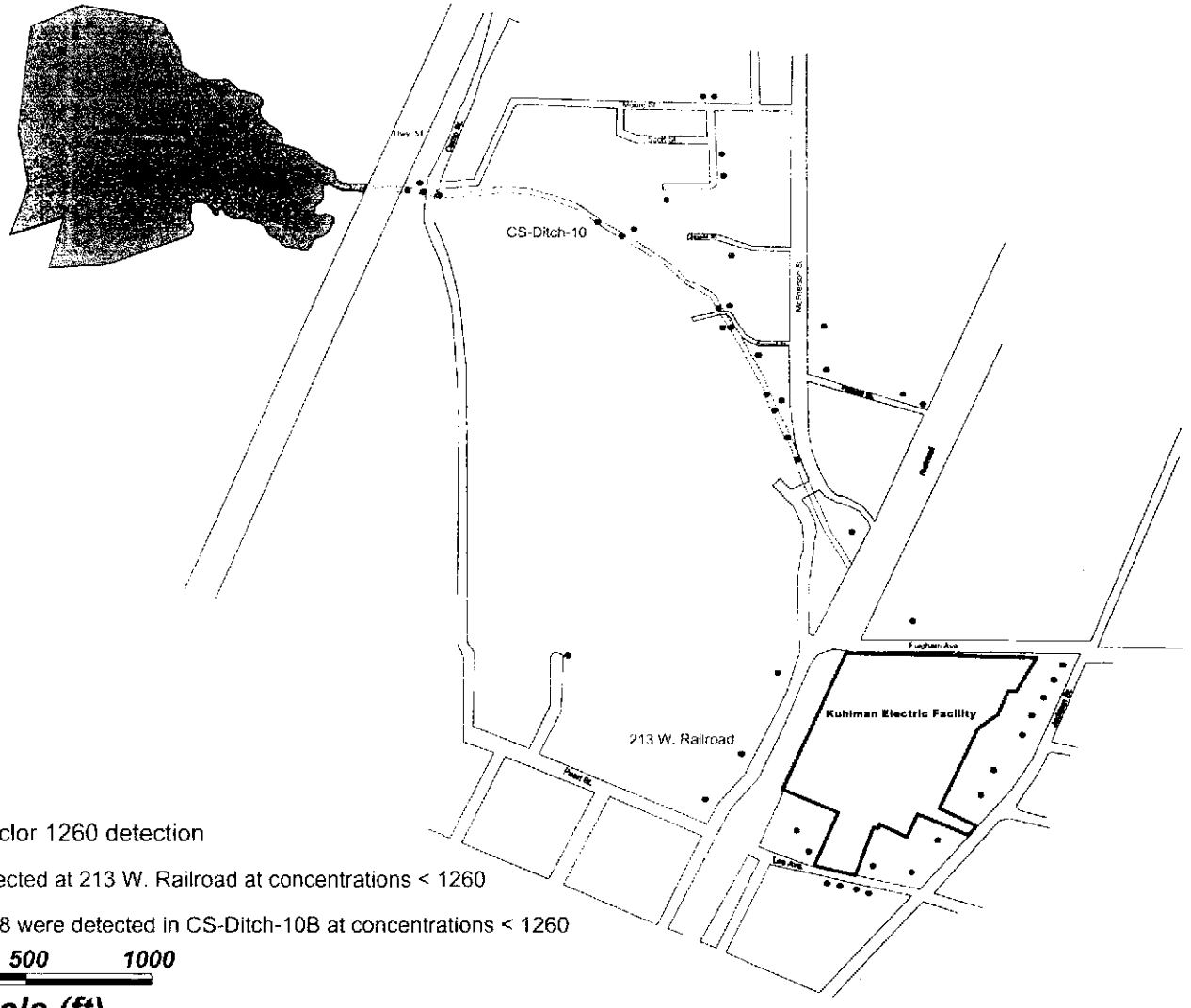
P046031



Aroclor 1260 Concentrations in Surface Soils (0-2 ft bgs) at Kuhlman Electric Facility

3TM International, Inc.
1500 S. Dairy Ashford
Suite 190
Houston, TX 77077

Figure 1



Aroclor 1260 Detections in Off-Site Soil and Sediments in Crystal Springs, Mississippi

3TM International, Inc.

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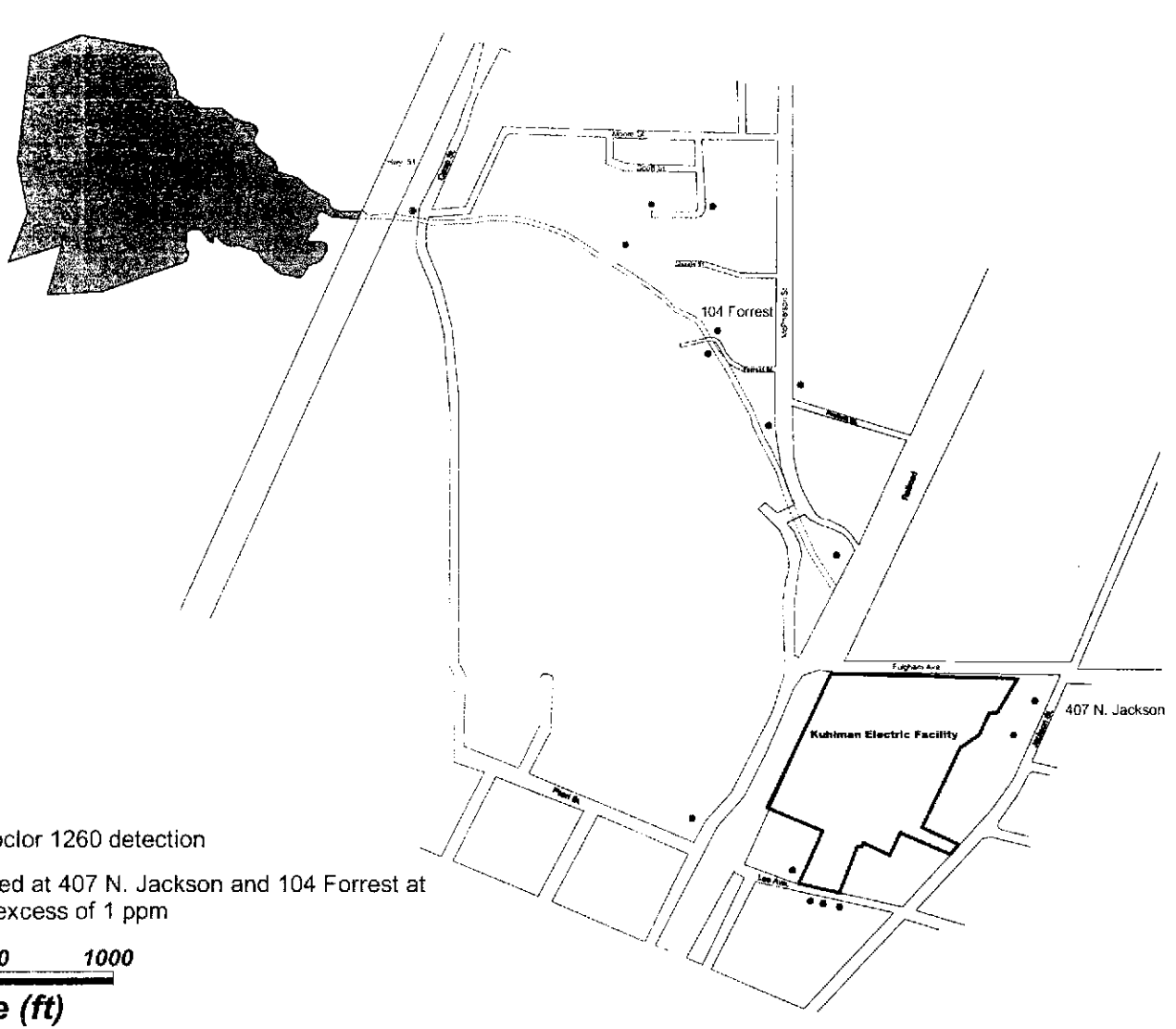
Suite #190
Houston, TX 77077

Figure 2

P046032



PCB detections in Indoor Dust Samples in Crystal Springs, Mississippi

3TM International, Inc.

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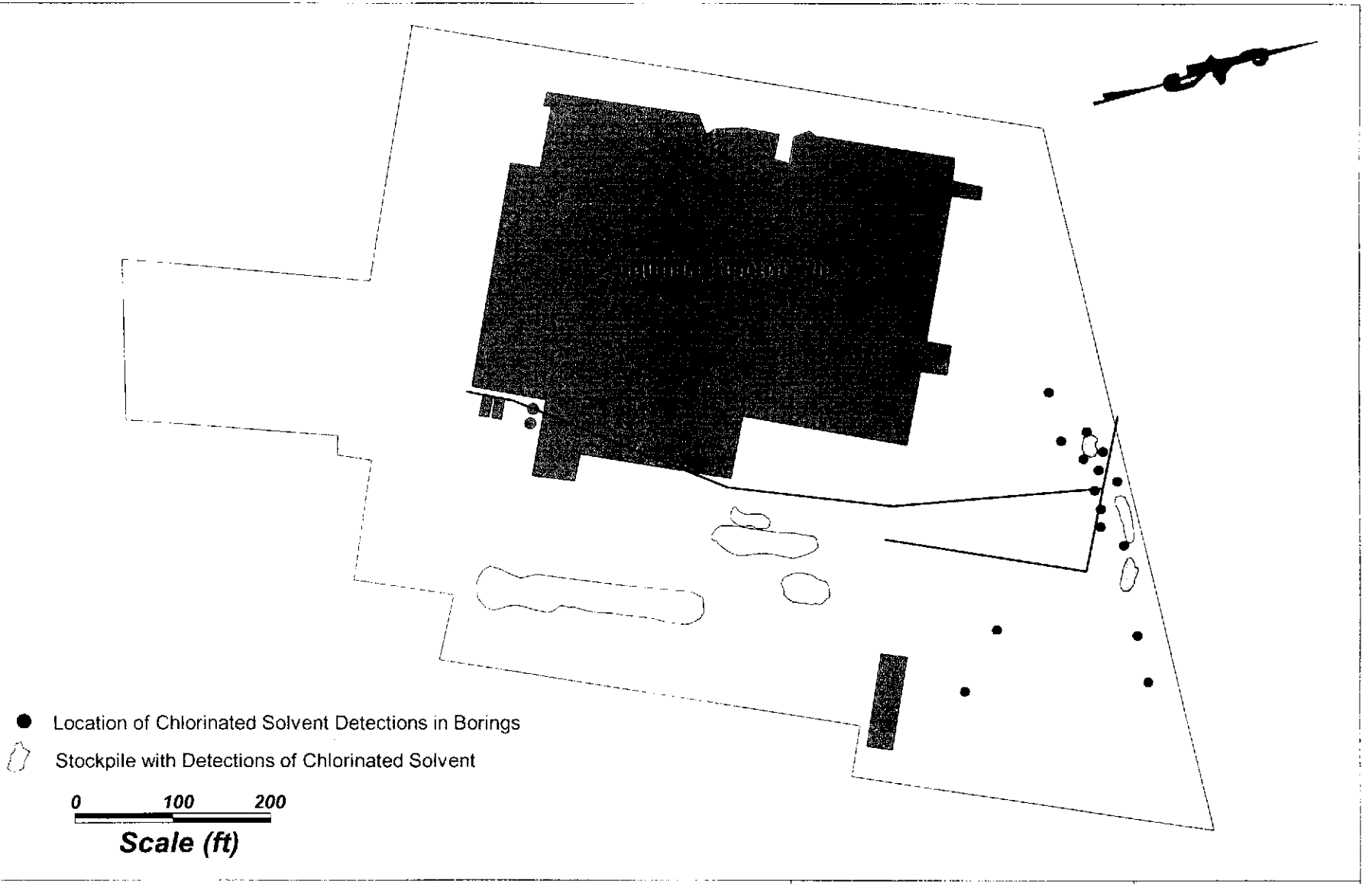
Suite #190
Houston, TX 77077

Figure 3

P046033



Chlorinated Solvent Detection Locations at the Kuhlman Electric Facility

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Houston, TX 77077

Figure 4

P046034

P046035

Section C – Revised PCB Tables

3TM International has prepared revised summary tables of analytical data that have been previously in other reports prepared by 3TM International. A number of the tables previously submitted were incomplete since laboratory testing results were not available at the time of issuing the reports. Therefore, the tables were revised and included in this Report, as described below.

Table 3-1 (REVISED) — Summary of Kuhlman Electric / Borg-Warner Field Campaigns. This table has simply been revised for inclusion into this Report. This table was previously included in our report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi" dated April 4, 2003.

Table 4-1 (REVISED) — Summary of 3TM International Field Campaigns. This table has been revised to include all sampling that has occurred to date. The most recent sampling included in this table includes the Surface Water Runoff samples, Indoor Dust samples, and April 2003 Soil samples. Further, only those samples actually analyzed are included in this table. This table was previously included in our report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi" dated April 4, 2003.

Table 8-1 (REVISED) — Summary of Sampling Results at Affected Properties. This table has been revised to include all sampling that has occurred to date. The most recent sampling included in this table includes the Indoor Dust samples and April 2003 Soil samples. Further, only those samples actually analyzed are included in this table. This table was previously included in our report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi" dated April 4, 2003.

Table 10-1 (REVISED) — Summary of PCB Testing Results for Named Plaintiff. This table has been revised to include all sampling that has occurred to date. The most recent sampling included in this table includes the Indoor Dust samples and April 2003 Soil samples. Further, only those samples actually analyzed are included in this table. This table was previously included in our report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi" dated April 4, 2003.

Table 11-1 (REVISED) — Overview of Crystal Springs Sampling Results. This table has been

revised to include all applicable sampling to date. The most recent sampling included in this table includes the April 2003 Soil samples. Further, only those samples actually analyzed are included in this table. This table was previously included in our report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi" dated April 4, 2003.

Table 6 — Summary of Chlorinated Solvent Contamination; Kuhlman Electric and/or Borg-Warner Facility. This table is a limited listing of the chlorinated solvents detected at the Kuhlman Electric Plant Site by Kuhlman Electric and/or Borg-Warner.

Table 3-1 (REVISED)
Summary of Kuhlman Electric / Borg-Warner Field Campaigns

Previously included in the 3TM International report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi." dated April 4, 2003.

Field Campaign	Field Date	Report Title	Report Date	Matrix Sampled	Total Number Samples Collected and Analyzed	Number Samples with PCBs	Number Samples > 1ppm PCBs	Overview
1	April 14, 2000	April 20, 2000 Letter to Mr. Al Thomas	April 20, 2000	Soil	2	2	2	Initial sampling due to excavation activities
2	May 16 - 18, 2000	Final Report	November 15, 2000	Soil and Wipe	305, Wipe samples; 65 Soil samples	9 Soil 4 Wipe	5 Soil 2 Wipes	Equipment Decontamination and emergency soil removal
3	May 9 - June 5 2000	Preliminary Site Characterization Report	July 2000	Soil, Sediment, Surface Water Groundwater, Dust, etc.	621, but only 586 analyzed	325	258	Preliminary Site Characterization of the Kuhlman Facility and various areas of concern, including the drainage ditch
4	8/17-28/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	37, but only 30 analyzed	9	0	Residential Property Investigation at 219 N. Jackson Street
5	8/16/00 - 9/19/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	57, but only 45 analyzed	10	0	Residential Property Investigation at 301 N. Jackson Street
6	8/17/00 - 9/19/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	29, but only 23 analyzed	7	0	Residential Property Investigation at 303 N. Jackson Street
7	8/18/00 - 9/19/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	25, but only 21 analyzed	5	0	Residential Property Investigation at 403 N. Jackson Street
8	8/16/00 - 9/20/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	27, but only 22 analyzed	5	0	Residential Property Investigation at 401 N. Jackson Street

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Field Campaign	Field Date	Report Title	Report Date	Matrix Sampled	Total Number Samples Collected and Analyzed	Number Samples with PCBs	Number Samples > 1ppm PCBs	Overview
9	8/16/00 - 9/19/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	14	2	0	Residential Property Investigation at 405 N. Jackson Street
10	8/24-30/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	12	3	0	Residential Property Investigation at 403 Lee Avenue
11	8/16-31/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	29, but only 26 analyzed	2	0	Residential Property Investigation at 407 N. Jackson Street
12	8/24-28/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	24	2	0	Residential Property Investigation at 100 Lamar Street
13	8/17/00-9/19/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	109, but only 99 analyzed	39	11	Property Investigation at Medical Clinic on Lee Avenue
14	8/24-28/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	72, but only 61 analyzed	24	8	Residential Property Investigation at 406 Lee Avenue
15	8/26-30/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	20, but only 17 analyzed	6	2	Residential Property Investigation at 414 Lee Avenue
16	8/25-29/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	117, but only 99 analyzed	44	5	Residential Property Investigation at 405 Lee Avenue
17	8/24-30/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	13, but only 12 analyzed	4	1	Residential Property Investigation at 408/410 Lee Avenue
18	8/25-31/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	44, but only 36 analyzed	18	9	Residential Property Investigation at 412 Lee Avenue
19	8/17/00 - 9/19/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	105, but only 98 analyzed	28	6	Residential Property Investigation at 215 N. Jackson St.
20	8/24-28/00	October 2, 2000 Letter to MDEQ	10/2/00	Soil & wipe samples	22, but only 18 analyzed	5	1	Residential Property Investigation at 409 N. Jackson St.

Field Campaign	Field Date	Report Title	Report Date	Matrix Sampled	Total Number Samples Collected and Analyzed	Number Samples with PCBs	Number Samples > 1ppm PCBs	Overview
21	8/18/00 - 9/19/00	February 9, 2001 Letter from MDEQ to residents	2/9/01	Soil & wipe samples	19	5	1	Residential Property Investigation at 305 N. Jackson Street
22	11/1/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	8	2	0	Residential Property Investigation at 101 Forrest Street
23	11/1-2/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	16	2	0	Residential Property Investigation at 102 Forrest Street
24	11/1-3/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	40	4	0	Residential Property Investigation at 103 Forrest Street
25	10/31/00 - 11/3/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	86	27	9	Residential Property Investigation at 104 Forrest Street
26	11/1-2/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	58	28	12	Residential Property Investigation at 107 Forrest Street
27	11/1-4/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	56	31	5	Residential Property Investigation at 501 Camp Street
28	11/1-16/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	32	13	1	Residential Property Investigation at 111 McPherson Street
29	11/1-15/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	325, but only 281 analyzed	105	57	Residential Property Investigation at 108 Tucker Street
30	11/1-4/00	January 11, 2001 Letter to MDEQ	1/11/01	Soil & wipe samples	77	38	2	Residential Property Investigation at 311 W. Railroad Avenue
Total					***2288***	***808***	***397***	

Table 3-1 (REVISED) Cont.

P046040

Table 4-1 (REVISED)
Summary of 3TM International Field Campaigns

Previously included in the 3TM International report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi." dated April 4, 2003.

Field Campaign	Field Date	Report Title	Report Date	Matrix Sampled	Total Number Samples Collected and Analyzed	Number Samples with PCBs	Number Samples > 1ppm PCBs	Overview
1	Oct. 24-25, 2000	Environmental Testing of Private Residences	11/16/00	Soil	47	47	6	Initial Soil Sampling at various residences surrounding the Kuhlman Plant
1	Oct. 24-25, 2000	Summary Report: Special Environmental Testing of Surface Soil Samples	3/26/01	Soil	1	1	1	Initial Dioxin Testing on one previously collected Sample (BS-17)
2	Dec. 20-23, 2000	Phase II Summary Report: Environmental Testing of Surface Soils, Subsurface Soils, and Groundwater	2/14/01	Soil Groundwater	33 8	19 0	2 0	Additional Env. Testing for Soil & Groundwater contamination surrounding the Kuhlman Plant
3	Jan. 23-25, 2001	Same As Above	2/14/01	Soil Groundwater	12 5	6 0	0 0	Additional Env. Testing for Soil & Groundwater contamination surrounding the Kuhlman Plant
4	Feb. 6-8, 2001	Interim Summary Report: Environmental Testing of Vacuum Cleaner Bags	3/27/01	Indoor Dust	22	4	3	Testing of Vacuum Cleaner Contents to characterize any contamination to the Indoor Env.
5	March 5-7, 2001	Summary Report: Indoor Dust Sampling Program - Phase II	8/6/01	Indoor Dust	18	10	0	Indoor Dust sampling using the HVS-3 to further characterize any contamination to the Indoor Env.

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Field Campaign	Field Date	Report Title	Report Date	Matrix Sampled	Total Number Samples Collected and Analyzed	Number Samples with PCBs	Number Samples > 1ppm PCBs	Overview
6	July 24-25, 2001	Summary Report: July 2001 Soil Sampling Program	10/17/01	Soil	63	34	20	Additional Soil sampling at various residences
7	Aug. 27-31, 2001	Summary Report: Soil and Indoor Dust Sampling Program	12/18/01	Soil Indoor Dust	149 9	38 8	2 2	Additional investigation of contamination in soil and indoor dust throughout the community.
8	June 23-28, 2002	Summary Report: June 2002 Kuhlman Facility Soil Sampling Program	April 1, 2003 (a)	Soil	31	31	26	Initial on-site soil sampling, prior to remediation.
9	July 17-21, 2002	Summary Report: July 2002 Community Soil and Sediment Sampling Program	April 1, 2003 (b)	Soil & Sediment	100	61	12	Additional soil and sediment sampling throughout the surrounding neighborhood and the drainage ditch. Additional analysis of VOC & pH Testing.
10	July 19 & 24, 2002	Summary Report: July 2002 Kuhlman Facility Soil Sampling Program	April 1, 2003 (c)	Soil	23	19	11	Additional on-site soil sampling, prior to remediation. Additional analysis of VOC & pH Testing.
11	July 20, 2002	Summary Report: Background Sampling Program	April 1, 2003 (d)	Soil	14	0	0	Background Soil Sampling in Learned, Mississippi
12	Sept. 12-14, 2002	Summary Report: September Kuhlman Facility Soil 2002 Sampling Program	April 1, 2003 (e)	Soil	14	14	13	Additional on-site soil sampling, prior to remediation.
13	Nov. 5-7, 2002	Summary Report: November Kuhlman Facility Soil 2002 Sampling Program	April 1, 2003 (f)	Soil	69	68	25	Additional on-site soil sampling, prior to remediation.

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Field Campaign	Field Date	Report Title	Report Date	Matrix Sampled	Total Number Samples Collected and Analyzed	Number Samples with PCBs	Number Samples > 1ppm PCBs	Overview
14	Nov. 7-8, 2002	Summary Report: July 2002 Community Soil and Indoor Dust Sampling Program	April 1, 2003 (g)	Soil Indoor Dust	5 3	5 3	4 0	Additional soil and indoor dust sampling throughout the community.
15	Feb. 4, 2003	Summary Report: Lake Chataqua Sampling Program	April 1, 2003 (h)	Sediment	9	9	2	Additional characterization of extent of contamination in Lake Chataqua and attempted catfish sampling (Two samples analyzed for PCBs by high resolution).
16	Feb. 5, 2003	Report: Sewage Treatment Plant Sampling Program	April 1, 2003 (i)	Soil Sediment	4 4	4 1	3 0	Initial investigation into former sewage treatment plant. (Two samples analyzed for PCBs by high resolution).
17	Feb. 7, 2003	Summary Report: February Kuhlman Facility Soil 2003 Sampling Program	April 1, 2003 (j)	Soil	16	16	16	Additional on-site soil sampling, prior to remediation.
18	Feb. 6, 2003	Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi	April 4, 2003	Runoff Samples	2	2	0	Surface water runoff sampling performed, but not reported in this report.
19	April 11 - 12, 2003	Supplemental Report		Soil	60	22	6	Additional soil sampling throughout the community.
Total					**721**	**422**	**154**	

Table 4-1 (REVISED) Cont.

P046043

Table 8-1 (REVISED)
Summary of Sampling Results at Affected Properties

Previously included in the 3TM International report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi." dated April 4, 2003.

Address	Number of Samples Analyzed		Number of Samples Indicating PCBs				Range of PCB Concentrations (mg/kg)			
			> BRL		> 1.0 mg/kg		Low		High	
	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust
501 Camp Street	66	1	40	1	6	0	BRL	0.22	8.4	0.22
104 Forrest Street	94	2	35	2	14	1	BRL	0.025	108	4.22
107 Forrest Street	68	1	40	1	19	0	BRL	0.68	30	.068
215 N. Jackson Street	98	N/A	28	N/A	6	N/A	BRL	N/A	7.2	N/A
403 N. Jackson Street	60	2	16	1	1	0	BRL	BRL	1.46	0.344
409 N. Jackson Street	18	N/A	5	N/A	1	N/A	BRL	N/A	1.0	N/A
407 N. Jackson Street	45	3	16	3	0	1	BRL	0.22	0.25	1.12
405 Lee Avenue	103	1	45	1	5	0	BRL	0.188	3.7	0.188
406 Lee Avenue	85	1	48	1	15	0	BRL	0.868	4.5	0.868
408/410 Lee Avenue	12	2	4	2	1	2	BRL	1.23	4.6	1.91
412 Lee Avenue	47	2	28	1	13	0	BRL	BRL	9	0.208
414 Lee Avenue	17	N/A	6	N/A	2	N/A	BRL	N/A	2.7	N/A
111 McPherson Street	46	3	19	1	1	0	BRL	BRL	2.6	0.0541
302 McPherson Street	25	1	0	1	0	0	BRL	0.131	BRL	0.131
Medical Clinic on Lee Street	99	N/A	39	N/A	11	N/A	BRL	N/A	6.1	N/A
100 Pearl Street	23	2	10	2	0	0	BRL	0.0305	0.3	0.15
106 Puckett Street	20	N/A	13	N/A	1	N/A	BRL	N/A	1.83	N/A

P0460044

103 Tucker Street	25	2	3	0	0	0	BRL	BRL	0.23	BRL
105 Tucker Street	25	2	3	1	0	0	BRL	BRL	0.23	0.022
Address	**Number of Samples Analyzed**		**Number of Samples Indicating PCBs**				**Range of PCB Concentrations (mg/kg)**			
	Soil / Sediment	**Indoor Dust**	**> BRL**		**> 1.0 mg/kg**		**Low**		**High**	
			Soil / Sediment	**Indoor Dust**	**Soil / Sediment**	**Indoor Dust**	**Soil / Sediment**	**Indoor Dust**	**Soil / Sediment**	**Indoor Dust**
106 Tucker Street	25	1	5	1	0	0	BRL	0.102	0.26	0.102
108 Tucker Street	29	2	201	2	73	0	BRL	0.041	51	0.388
213 W. Railroad Avenue	9	N/A	6	N/A	4	N/A	BRL	N/A	5.59	N/A
311 W. Railroad Avenue	102	2	52	1	2	0	BRL	BRL	1.8	0.38
TOTALS	1141	30	662	22	176	4				

Table 8-1 (REVISED) Cont.

P046045

Table 10-1 (REVISED)
Summary of PCB Testing Results for Named Plaintiff

Previously included in the 3TM International report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi." dated April 4, 2003.

Name	Address	# Samples Collected & Analyzed	# Soil Samples	#Indoor Dust Samples	Soil > BRL	Indoor Dust > BRL	Soil > 1 ppm	Indoor Dust >1 ppm	Highest Blood Concentration (ppb)
Paulette Welch	501 Camp	66	65	1	40	1	6	0	3.2
Ralph Williams	104 Forrest	96	94	2	35	2	14	1	13.9
Harold Warren	403 N. Jackson	62	60	2	16	1	1	0	5.1
Suzanne Warren	403 N. Jackson	62	60	2	16	1	1	0	9.5
Ronald Vinson	407 N. Jackson	48	45	3	16	3	0	1	2.7
Bettye Vinson	407 N. Jackson	48	45	3	16	3	0	1	2.5
Paul Kellum	406 Lee	86	85	1	48	1	15	0	1.3
Paula Kellum (Susie)	406 Lee	86	85	1	48	1	15	0	BRL
Dorothy Edwards	412 Lee	49	47	2	28	1	13	0	1.2
John Edwards	412 Lee	49	47	2	28	1	13	0	2.1
Beulah Sojourner	111 McPherson	49	46	3	19	1	1	0	10.5
Ruby Smith	302 McPherson	26	25	1	0	1	0	0	8.2
Roger Ward (deceased)	100 Pearl	25	23	2	10	2	0	0	N/A

Name	Address	# Samples Collected & Analyzed	# Soil Samples	#Indoor Dust Samples	Soil > BRL	Indoor Dust > BRL	Soil > 1 ppm	Indoor Dust >1 ppm	Highest Blood Concentration (ppb)
Wanda Ward	100 Pearl	25	23	2	10	2	0	0	10.8
Daniel Graham	103 Tucker	27	25	2	3	0	0	0	161.7
Robert Terrell (deceased)	105 Tucker	27	25	2	3	1	0	0	12.8
Esther Terrell	105 Tucker	27	25	2	3	1	0	0	6.6
Moses Graham	106 Tucker	26	25	1	5	1	0	0	12.7
Bettie Kendrick	108 Tucker	297	295	2	201	2	73	0	17.9
Robert Edwards *Fitzgerald Estate*	108 Tucker	297	295	2	201	2	73	0	N/A
Orister Harris	311 W. Railroad	104	102	2	52	1	2	0	9.7
TOTALS		1582	1542	40	798	29	227	3	

Table 10-1 (REVISED) Cont.

P0460047

Table 11-1 (REVISED)

Overview of Crystal Springs Sampling Results

Previously included in the 3TM International report entitled "Environmental Site Assessment; The Fate and Transport of Polychlorinated Biphenyls from the Kuhlman Electric Plant Site to Off-Site Residential and Public Areas in Crystal Springs, Mississippi." dated April 4, 2003.

Location of Contamination	Number of Samples Analyzed		Number of Samples Indicating PCBs				Range of PCB Concentrations (mg/kg)			
			> BRL		> 1.0 mg/kg		Low		High	
	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust	Soil / Sediment	Indoor Dust
3TM Kuhlman Site Samples	153	N/A	148 (96.7%)	N/A	91 (59.5%)	N/A	BRL	NA	6,830	NA
Kuhlman Site Samples *(includes 370 samples collected during decontamination & emergency removal)*	958	N/A	340 (35.4%)	N/A	267 (27.9%)	N/A	BRL	N/A	11,000	N/A
3TM Community Samples	487	35	249 (51.1%)	122 (62.9%)	56 (11.5%)	4 (11.4%)	BRL	BRL	108	4.2
Kuhlman Community Samples	1330	N/A	468 (35.2%)	N/A	130 (9.8%)	N/A	BRL	N/A	70	N/A
TOTALS	2928	35								

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Table 6. Summary of Ch ated Solvent Contamination
Kuhlman and/or Borg-Warner Facility

Sample ID	Depth (feet bgs)	1,3,5-Trichlorobenzene	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	1,2,3,5- and 1,2,4,5-Tetrachlorobenzene	1,2,3,4, Tetrachlorobenzene	Pentachlorobenzene	Hexachlorobenzene
Unrestricted TRG			527		23.5[1]		62.6	0.399
Restricted TRG			527		613[1]		1630	1.65
DP-1	4	BRL	0.54	0.37	0.1	1	0.3	BRL
DP-3	1	BRL	0.79	4.7	2	25	7.7	0.4[J]
DP-7	1	BRL	BRL	BRL	BRL	0.04	0.02	BRL
DP-55	0.5	BRL	BRL	BRL	BRL	0.02	0.01	BRL
DP-57	0.5	BRL	BRL	BRL	BRL	0.03	0.01	BRL
DP-138	2	BRL	0.43[E]	0.36	BRL	BRL	BRL	BRL
DP-138	4.5	BRL	0.52[E]	0.37	0.05	0.45[E]	0.08	BRL
DP-146	0.5	BRL	BRL	BRL	BRL	BRL	0.01	BRL
DP-150	0.5	BRL	BRL	BRL	BRL	BRL	3	BRL
DP-201	0.5	BRL	0.03	0.02	0.01	0.14	0.05	BRL
DP-200	0.5	BRL	5.1	1.6	0.72	6.1	1.6	BRL
DP-207	0.5	BRL	0.12	0.04	BRL	0.08	BRL	BRL
DP-207	4	BRL	0.01	BRL	BRL	BRL	BRL	BRL
DP-208	0.5	BRL	3.3	2.4	0.73	11	3	BRL
DP-208	5	BRL	0.15	0.11	0.06	2.1	0.24	BRL
DP-209	0.5	BRL	250	180	110	640	250	BRL
DP-209	4	0.03	9.7	3.9	0.08	2.7	0.02	BRL
DP-209	8	BRL	0.28	0.3	0.11	3.3	0.28	BRL
DP-210	0.5	BRL	95	360	85	1100	180	BRL
DP-210	4	BRL	34	13	5.2	68	13	BRL
DP-211	1	BRL	0.87	0.85	0.79	11	3.4	BRL
DP-212	0.5	BRL	BRL	BRL	BRL	57	19	BRL
DP-212	5	BRL	0.12	0.04	BRL	BRL	BRL	BRL
SP-4	Comp AB1	BRL	50	55	11	260	51	BRL
SP-4	Comp CD1	BRL	140	98	23	340	74	BRL
SP-6	Comp CD1	BRL	BRL	BRL	BRL	2	0.83[J]	BRL
Fireline	#1	BRL	0.23	0.14	0.13	1.2	0.67	BRL
Fireline	#2	BRL	1.3	0.53	0.34	2.8	1.2	BRL
SS-1-1	N/A	BRL	11	8.1	2.6	30[E]	9.2	0.37[J]
SS-2-1	N/A	BRL	90	68	39	410[E]	160	7.8[J]
SS-3-1	N/A	BRL	1.1[J]	0.91[J]	BRL	5.6	1.7[J]	BRL
SW-SS-1	N/A	BRL	BRL	BRL	BRL	0.15	0.15	0.04[J]
SW-SS-2	N/A	BRL	BRL	BRL	BRL	0.21	BRL	BRL
SW-SS-3	N/A	BRL	0.02	0.01	BRL	0.12	0.06	BRL
SW-SS-4	N/A	BRL	BRL	0.01	BRL	0.14	0.12	0.02[J]

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Section D – Charts

3TM International has prepared graphical representations of the additional field sampling analytical testing results, as described below.

Chart 1 Comparison of PCBs by Method 4020 (Screening) vs. Method 1668A (high resolution testing by congener) for the April 2003 Soil Samples. This is a graphical comparison of the PCB results reported by Method 4020 vs. Method 1668A.

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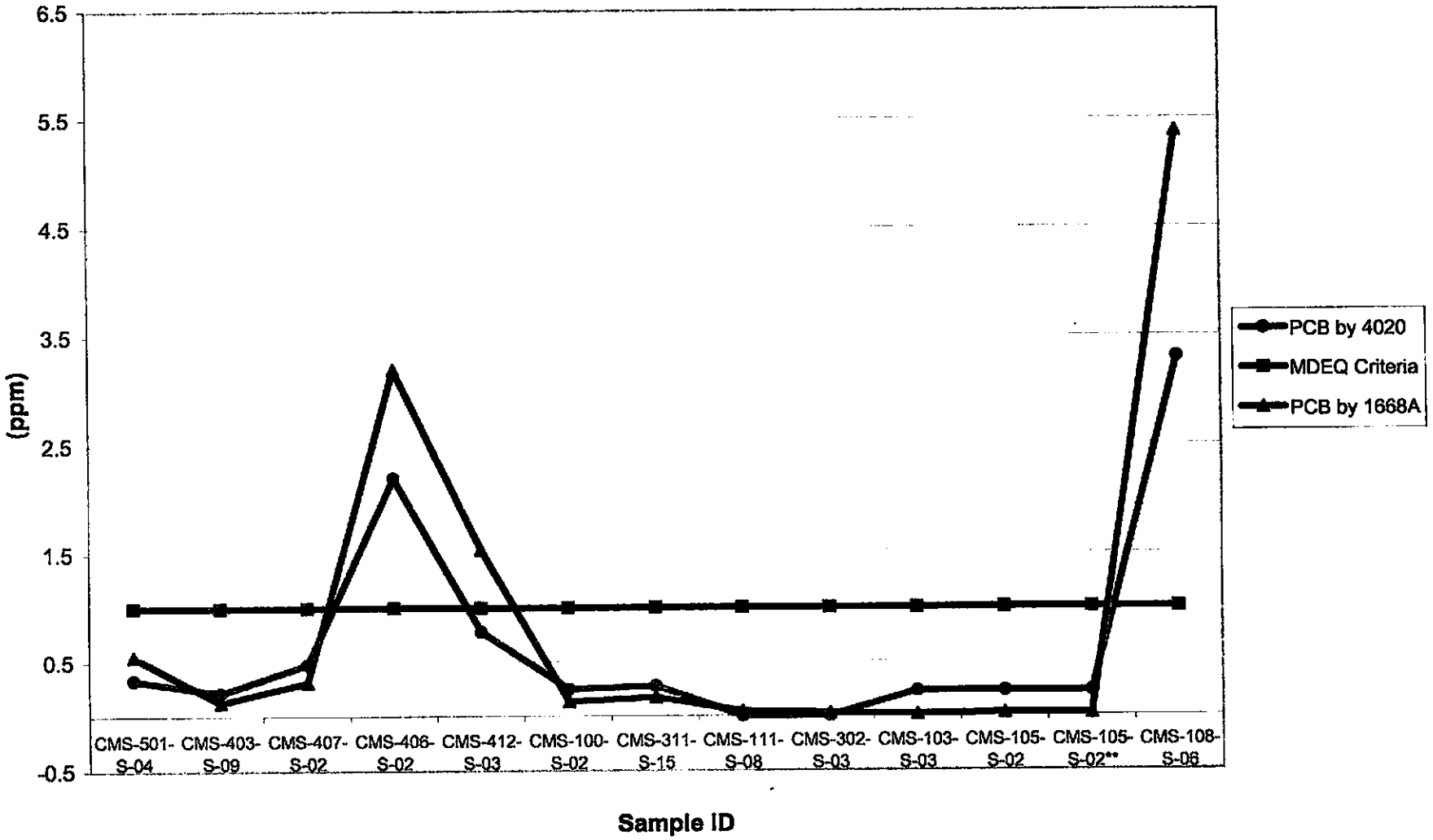
Chart 1. Comparison of PCBs by Method 4020 (Screening) vs. Method 1668 (Congeners) for April 2003 Soil Samples



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KULMAN SITE, CRYSTAL SPRINGS, MS.

32 2 55N
90 25 55W

31 55 50N
90 25 55W

32 2 55N
90 16 50W

31 55 50N
90 16 50W

Reference 5