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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

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July 10, 1998

Eric Wilson, On-Scene Coordinator
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

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SUBJECT: TIER III RESIDENTIAL/NEIGHBORHOOD SAMPLING AND ANALYSIS SUMMARY REPORT - CORNELL DUBILIER ELECTRONICS

Dear Mr. Wilson:

Enclosed please find the Tier III Residential/Neighborhood Sampling and Analysis Summary Report for the Cornell Dubilier Electronics site located in South Plainfield, Middlesex County, New Jersey. If you have any questions or comments, please call me at (732) 225-6116.

Very truly yours,

ROY F. WESTON, INC.

M. Mahnkopf

Michael Mahnkopf
Project Manager

Enclosure

cc: TDD File

201671

TIER III RESIDENTIAL/NEIGHBORHOOD SAMPLING AND ANALYSIS SUMMARY REPORT

CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Prepared by

Superfund Technical Assessment and Response Team
Roy F. Weston, Inc.
Federal Programs Division
Edison, New Jersey 08837

Prepared for

U.S. Environmental Protection Agency
Region II - Removal Action Branch
Edison, New Jersey 08837

DCN #: START-02-F-01844
TDD #: 02-97-02-0015
EPA Contract No.: 68-W5-0019

Approved by:

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M. Mahnkopf

Michael Mahnkopf
Project Manager

Date: 7/10/98

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Christopher O'Neill

for Thomas O'Neill
Group Leader

Date: 7/10/98

EPA

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Eric Wilson
On-Scene Coordinator

Date: _____

201672

TABLE OF CONTENTS

1.0 BACKGROUND 1

2.0 OBJECTIVE/SAMPLING DESIGN 1

3.0 SAMPLING AND ANALYSIS 2

- 3.1 Area 1 2
- 3.2 Area 2 3
- 3.3 Area 3 3
- 3.4 Area 4 3

4.0 SITE SPECIFIC QUALITY ASSURANCE/QUALITY CONTROL PLAN 4

- 4.1 Sampling Equipment and Methods 4
- 4.2 Chain of Custody 5
- 4.3 Quality Assurance/Quality Control Samples 5
- 4.4 Sample QA/QC Data 6

5.0 DATA VALIDATION 6

LIST OF TABLES

TABLE 1: PCB Data; Cornell-Dubilier Electronics, Area 1

TABLE 2: PCB Data; Cornell-Dubilier Electronics, Area 2

TABLE 3: PCB Data; Cornell-Dubilier Electronics, Area 3

TABLE 4: PCB Data; Cornell-Dubilier Electronics, Area 4

LIST OF APPENDICES

APPENDIX 1: Site Maps/Figures

APPENDIX 2: Trip Report - May 7, 1998

APPENDIX 3: Analytical Results (Form I's) & Data Validation Results

1.0 BACKGROUND

The Cornell-Dubilier Site is located at 333 Hamilton Boulevard in South Plainfield, Middlesex County, New Jersey (Attachment A, Figure 1). The site is approximately 25 acres in size. Facing Hamilton Boulevard are several buildings currently occupied by approximately 15 businesses. The rear of the property consists of an open field and adjoining wetlands. The facility is currently known as Hamilton Industrial Park.

The site is bordered by Hamilton Boulevard to the northwest, Spicer Avenue to the southwest, a wetlands area to the southeast, the Bound Brook and Conrail railroad tracks to the northeast. The Bound Brook traverses the southeast section of the site.

Cornell-Dubilier operated at the site from 1936 to 1962, manufacturing electronic components, including capacitors. It is alleged that during its operation, Cornell-Dubilier disposed of PCB contaminated materials and other hazardous substances at the site.

Previous investigations have identified polychlorinated biphenyls (PCBs) and heavy metals at the Cornell-Dubilier site and in the Bound Brook downstream of the site.

PCBs were also detected in interior dust and soil samples collected from residential properties located adjacent to the site in October and November 1997. EPA risk assessors and the Agency for Toxic Substances and Disease Registry (ATSDR) reviewed the data and determined that PCB levels found at several properties along Spicer Avenue were a health concern for residents.

2.0 OBJECTIVE/SAMPLING DESIGN

The objective of this sampling program was to collect the data necessary to determine if health concerns exist for the residents of additional properties located near the Site.

Screening soil samples were collected at 100 foot intervals from the following areas. This data will be used to determine if additional investigations are required to evaluate health concerns.

Area 1. Area bounded on the northeast by Delmore Avenue, on the south by Belmont Avenue, on the southwest by Arlington Avenue, and on the northwest by Hamilton Boulevard;

Area 2. Area located on the northeast side of Delmore Avenue, between Fulton Street and Belmont Avenue;

Area 3. Area located on the south side of Belmont Avenue between Arlington Avenue and Metuchen Road;

201674

Area 4. Area located on the southeast side of Hancock Street between Lakeview and Amboy Avenues.

In accordance with the April 27, 1998 Residential/Neighborhood Soil Sampling QA/QC Work Plan (DCN: START-02-F-1753), surface (0-2") soil samples were collected from the neighborhood Areas 1-4 described above. All sample locations were determined in the field utilizing a systematic sampling scheme, based on 100' spacing.

Results of the screening soil samples will be evaluated to determine if additional sampling is required to delineate the horizontal extent of PCB contamination or assess risk.

3.0 SAMPLING & ANALYSIS

Soil sampling activities were performed on May 4 and May 5, 1998 by the following personnel:

1. Tom O'Neill - START, Region II
2. Harry Allen - START, Region II
3. Sharron DaCosta - START, Region II

All soil samples were collected utilizing dedicated plastic scoops and/or spatulas. All soil samples were analyzed by Ecology & Environment, 4493 Walden Avenue, Lancaster, NY, 14086, (716) 685-8080. For additional information, see the May 7, 1998 Trip Report included as Appendix 2 and project logbook # START-02-209.

3.1 Area 1

Pursuant to the procedures discussed above in Section 2.0, thirty-nine (39) surface (0-2") soil samples (A1-001 through A1-003, A1-003A, A1-004 through A1-007, A1-007A through A1-007B, A1-008 through A1-010, A1-010A, A1-011 through A1-035) were collected and analyzed for total PCBs. Soil sample locations are shown on Figure 2.

QA/QC samples included the collection of two (2) field duplicate samples (A1-007C - dupl. of A1-007B; A1-036 - dupl. of A1-001) and two (2) matrix spike/matrix spike duplicate samples (A1-007B MS/MSD; A1-033 MS/MSD). Samples A1-007C, A1-036, A1-007B MS/MSD and A1-033 MS/MSD were analyzed for total PCBs.

Analytical results indicate soil samples A1-001 through A1-036 exhibited total PCB concentrations ranged from 0.027 parts per million (ppm), estimated (J) (A1-010) to 2.9 ppm (A1-002). Arochlor-1254 concentrations ranged from 0.027 ppm (J) (A1-010) to 2.9 ppm (A1-002). Arochlor-1260 concentrations ranged from non-detected (ND) (A1-002, A1-004, A1-006, A1-010, A1-024, A1-025) to 0.64 ppm (J) (A1-035).

201675

Analytical results are summarized in Table 1 and the laboratory Form I's and data validation results are included as Appendix 3.

3.2 Area 2

Pursuant to the procedures discussed above in Section 2.0, fifteen (15) surface (0-2") soil samples (A2-001 through A2-015) were collected and analyzed for total PCBs. Soil sample locations are shown on Figure 2.

QA/QC samples included the collection of one (1) field duplicate sample (A2-016 - dupl. of A2-008) and one (1) matrix spike/matrix spike duplicate sample (A2-008 MS/MSD). Samples A2-016 and A2-008 MS/MSD were analyzed for total PCBs.

Analytical results indicate soil samples A2-001 through A2-016 exhibited total PCB concentrations ranged from 0.022 ppm (J) (A2-005) to 2.3 ppm (A2-015). Arochlor-1254 concentrations ranged from 0.022 ppm (J) (A2-005) to 1.5 ppm (A2-015). Arochlor-1260 concentrations ranged from ND (A2-005, A2-014, A2-016) to 0.75 ppm (A2-015).

Analytical results are summarized in Table 2 and the laboratory Form I's and data validation results are included as Appendix 3.

3.3 Area 3

Pursuant to the procedures discussed above in Section 2.0, ten (10) surface (0-2") soil samples (A3-001 through A3-010) were collected and analyzed for total PCBs. Soil sample locations are shown on Figure 3. QA/QC samples were not collected from within this area of concern.

Analytical results indicate soil samples A3-001 through A3-010 exhibited total PCB concentrations ranged from 0.12 ppm (J) (A3-001) to 0.93 ppm (J) (A3-004). Arochlor-1254 concentrations ranged from 0.085 ppm (J) (A3-001) to 0.93 ppm (J) (A3-004). Arochlor-1260 concentrations ranged from ND (A3-004, A3-009, A3-010) to 0.14 ppm (J) (A3-007).

Analytical results are summarized in Table 3 and the laboratory Form I's and data validation results are included as Appendix 3.

3.4 Area 4

Pursuant to the procedures discussed above in Section 2.0, ten (10) surface (0-2") soil samples (A4-001 through A4-009, A4-011) were collected and analyzed for total PCBs. Soil sample locations are shown on Figure 4.

QA/QC samples included the collection of one (1) field duplicate sample (A4-010 - dupl. of A4-001) and one (1) matrix spike/matrix spike duplicate sample (A4-001 MS/MSD). Samples A4-010 and A4-001 MS/MSD were analyzed for total PCBs.

Analytical results indicate soil samples A4-001 through A4-011 exhibited total PCB concentrations ranged from 0.054 ppm (J) (A4-007) to 1.4 ppm (J) (A4-004). Arochlor-1254 concentrations ranged from 0.037 ppm (J) (A4-007) to 1.2 ppm (J) (A4-004). Arochlor-1260 concentrations ranged from 0.017 ppm (J) (A4-007) to 0.20 ppm (J) (A4-009).

Analytical results are summarized in Table 4 and the laboratory Form I's and data validation results are included as Appendix 3.

4.0 SITE SPECIFIC QUALITY ASSURANCE/QUALITY CONTROL PLAN

The objective of this QA/QC plan is to provide analytical results which are legally defensible in a court of law. The QA/QC plan incorporated procedures for field sampling, chain of custody, laboratory analyses, and reporting to assure generation of sound analytical results. Sampling procedures were conducted in accordance with USEPA protocols.

4.1 Sampling Equipment and Methods

Samples were collected at the locations and depths as described in this report. Procedural changes dictated by field conditions were fully documented in the field notes and the trip report.

Equipment utilized for this project were dedicated plastic scoops and spatulas. Where necessary and prior to sample collection, non-dedicated stainless steel spackle knives were utilized to remove the top layer of grass at sample locations. The stainless steel spackle knives were decontaminated between sample locations using a detergent (Alconox/water) solution, followed by a tap water rinse.

All soil samples were transferred immediately after collection into sample bottles selected by parameter as listed below. Sample bottles used for this project were prepared in accordance with USEPA criteria for polychlorinated biphenyls (PCBs).

The type of sample container required for the Cornell Dubilier Electronics residential/ neighborhood soil investigation were as follows:

a. Polychlorinated Biphenyls - 8 oz. glass bottle with teflon closure.

All soil samples were packed on ice immediately following collection.

201677

All samples were labeled with the following information:

a. sample number;
b. date and time of collection;
c. site name;
d. sample collector's initials;
e. analyses required.

Accurate field notes were maintained which included the information listed above. Additional information included, but was not limited to:

a. sample location sketch;
b. sample method;
c. general comments, including any modification from the sample plan.

4.2 Chain of Custody

Chain of custody was maintained for all samples. Chain of custody originated with the collection of the samples and was maintained until the samples were relinquished to the laboratory. The chain of custody form detailed the following information:

a. sample identification number;
b. sample collection date and time;
c. sample matrix;
d. expected contaminant concentration (low, medium, high);
e. sample type (grab or composite);
f. sample preservation;
g. analytical parameters;
h. name(s) and signatures(s) of sampler(s);
I. signatures(s) of individual(s) with control over samples.

4.3 Quality Assurance/Quality Control Samples

The matrix for all samples included in this investigation was soil. QA/QC samples included the collection of one (1) field duplicate and one (1) matrix spike/matrix spike duplicate sample for each matrix (soil) per sampling date at a ratio of one (1) per twenty (20) samples. Extra volume was submitted to allow the laboratory to perform matrix spike sample analysis. This analysis provides information about the effect of sample matrix digestion and measurement methodology. Field duplicate samples provide an indication of sample homogeneity and were not identified to the laboratory. In addition, one (1) rinsate blank per sampling date was also submitted for PCB analysis. The rinsate blank serves as an indicator of the effectiveness of the equipment decontamination procedures.

201678

4.4 Sample QA/QC Data

A CLP format deliverable QA/QC package was provided for all samples submitted for analysis.

5.0 DATA VALIDATION

Data was evaluated according to criteria contained in the Removal Program Data Validation Procedures that accompany OSWER Directive number 9360.4-1 and in accordance with Region II guidelines using the following data validation SOP: SOP HW-13, "USEPA Region II Data Validation SOP for Statement of Work OLCO 2.1, Rev.2". Laboratory analytical results were assessed by the data reviewer for compliance with required precision, accuracy, completeness, representativeness, and sensitivity.

Data validation was performed by START, Region II in accordance with Level QA-2 criteria. Data validation results indicate that the analytical results are acceptable with comments. For specific comments, see the Data Validation Results included as Appendix 3.

201679

TABLE - 1 PCB DATA (Area 1)

SITE NAME: Cornell - Dubilier Electronics
SAMPLING DATE: May 4 and 5, 1998
UNITS: ug/kg

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1-001	A1 - 002	A1-003	A1 - 0003A	A1 - 004	A1 - 005	A1 - 006	A1 - 007	A1 - 007A	A1 - 007B
Lab ID #		6041	6042	6043	6178	6044	6045	6046	6047	6048	6049
Percent Moisture		23	21	22	23	24	30	21	24	21	23
Dilution Factor		2	20	1	1	10	2	1	1	1	4
PCB	MDL ug/kg										
Aroclor-1016	33	86 U	840 U	42 U	43 U	430 U	94 U	42 U	43 U	42 U	170 U
Aroclor-1221	67	170 U	1700 U	86 U	87 U	880 U	190 U	85 U	88 U	85 U	350 U
Aroclor-1232	33	86 U	840 U	42 U	43 U	430 U	94 U	42 U	43 U	42 U	170 U
Aroclor-1242	33	86 U	840 U	42 U	43 U	430 U	94 U	42 U	43 U	42 U	170 U
Aroclor-1248	33	86 U	840 U	42 U	43 U	430 U	94 U	42 U	43 U	42 U	170 U
Aroclor-1254	33	470 J	2900	130	230	920 J	520 J	110	220	120	790
Aroclor-1260	33	150 J	840 U	69	83 J	430 U	170 J	42 U	81	62	380 J
Total PCB	(mg/kg)	0.62 J	2.9	0.20	0.31 J	0.92 J	0.69 J	0.11	0.30	0.18	1.2 J

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1 - 007C	A1 - 008	A1 - 009	A1 - 010	A1 - 010A	A1 - 011	A1 - 012	A1 - 013	A1 - 014	A1 - 015
Lab ID #		6050	6051	6052	6053	6087	6054	6055	6056	6057	6058
Percent Moisture		22	23	17	19	18	31	28	37	33	27
Dilution Factor		4	2	1	1	1	1	1	5	2	1
PCB	MDL ug/kg										
Aroclor-1016	33	170 U	86 U	40 U	41 U	40 U	48 U	46 U	260 U	99 U	45 U
Aroclor-1221	67	340 U	170 U	81 U	83 U	82 U	97 U	93 U	530 U	200 U	92 U
Aroclor-1232	33	170 U	86 U	40 U	41 U	40 U	48 U	46 U	260 U	99 U	45 U
Aroclor-1242	33	170 U	86 U	40 U	41 U	40 U	48 U	46 U	260 U	99 U	45 U
Aroclor-1248	33	170 U	86 U	40 U	41 U	40 U	48 U	46 U	260 U	99 U	45 U
Aroclor-1254	33	580	490 J	46 J	27 J	95	100	100	1100	650	170
Aroclor-1260	33	300 J	150	31 J	41 U	43	51	46	220 J	190 J	60 J
Total PCB	(mg/kg)	0.88 J	0.64 J	0.077 J	0.027 J	0.14	0.15	0.15	1.3 J	0.84 J	0.23 J

UJ- Analyte was not detected. The reported quantitation limit is qualified estimated.
U - Non-detected compound.
B - Detected in the corresponding method blank
J - Estimated Value
JN - Presumptive evidence of a compound at an estimated value.
R - Rejected Compound

Revised - 5/99

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201680

TABLE - 1 PCB DATA (Area 1)

SITE NAME: Cornell - Dubilier Electronics
SAMPLING DATE: May 4 and 5, 1998
UNITS: ug/kg

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1-016	A1 - 017	A1 - 018	A1-019	A1 - 020	A1 - 021	A1 - 022	A1 - 023	A1 - 024	A1 - 025
Lab ID #		6059	6060	6068	6069	6070	6071	6072	6073	6074	6075
Percent Moisture		17	30	22	19	24	30	19	22	26	24
Dilution Factor		1	1	1	1	1	1	1	1	10	10
PCB	MDL ug/kg										
Aroclor-1016	33	40 U	47 U	42 U	41 U	43 U	47 U	41 U	42 U	450 U	430 U
Aroclor-1221	67	81 U	96 U	86 U	83 U	88 U	96 U	83 U	86 U	910 U	880 U
Aroclor-1232	33	40 U	47 U	42 U	41 U	43 U	47 U	41 U	42 U	450 U	430 U
Aroclor-1242	33	40 U	47 U	42 U	41 U	43 U	47 U	41 U	42 U	450 U	430 U
Aroclor-1248	33	40 U	47 U	42 U	41 U	43 U	47 U	41 U	42 U	450 U	430 U
Aroclor-1254	33	81	230	180	130	99	290	81	220	850 J	1200 J
Aroclor-1260	33	38 J	69 J	58 J	38 J	28 J	98	25 J	80	450 U	430 U
Total PCB	(mg/kg)	1.2 J	0.30 J	0.24 J	0.17 J	0.13 J	0.39	0.11 J	0.30	0.85 J	1.2 J

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1 - 026	A1 - 027	A1 - 028	A1 - 029	A1 - 030	A1 - 031	A1 - 032	A1 - 033	A1 - 034	A1 - 035	A1 - 036
Lab ID #		6076	6077	6078	6079	6080	6081	6082	6083	6084	6085	6086
Percent Moisture		25	20	22	24	27	30	31	23	19	14	23
Dilution Factor		5	1	1	1	2	2	1	4	2	5	1
PCB	MDL ug/kg											
Aroclor-1016	33	220 U	41 U	42 U	43 U	90 U	94 U	48 U	170 U	81 U	190 U	43 U
Aroclor-1221	67	450 U	84 U	86 U	88 U	180 U	190 U	97 U	350 U	170 U	390 U	87 U
Aroclor-1232	33	220 U	41 U	42 U	43 U	90 U	94 U	48 U	170 U	81 U	190 U	43 U
Aroclor-1242	33	220 U	41 U	42 U	43 U	90 U	94 U	48 U	170 U	81 U	190 U	43 U
Aroclor-1248	33	220 U	41 U	42 U	43 U	90 U	94 U	48 U	170 U	81 U	190 U	43 U
Aroclor-1254	33	780 J	450	380	410	400	610	350	680	450	820	360
Aroclor-1260	33	200 J	110 J	92 J	120 J	130	170 J	110 J	220 J	140 J	640	110 J
Total PCB	(mg/kg)	0.98 J	0.56 J	0.47 J	0.53 J	0.53	0.78 J	0.46 J	0.9 J	0.59 J	1.5	0.47 J

U - Non-detected compound.
B - Detected in the corresponding method blank
J - Estimated Value
JN - Presumptive evidence of a compound at an estimated value.
R - Rejected Compound
UJ- Analyte was not detected. The reported quantitation limit is qualified estimated.

Revised - 5/99

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201681

TABLE - 2 PCB DATA (Area 2)

SITE NAME: Cornell - Dubilier Electronics
SAMPLING DATE: May 4 and 5, 1998
UNITS: ug/kg

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A2-001	A2- 002	A2-003	A2 - 004	A2 -005	A2 - 006	A2 - 007	A2 - 008	A2 - 009
Lab ID #		6088	6089	6090	6091	6092	6093	6094	6179	6180
Percent Moisture		23	22	23	23	17	26	20	24	24
Dilution Factor		1	1	1	1	1	1	1	4	1
PCB	MDL ug/kg									
Aroclor-1016	33	43 U	42 U	43 U	43 U	40 U	45 U	41 U	170 U	43 U
Aroclor-1221	67	87 U	86 U	87 U	87 U	81 U	91 U	84 U	350 U	88 U
Aroclor-1232	33	43 U	42 U	43 U	43 U	40 U	45 U	41 U	170 U	43 U
Aroclor-1242	33	43 U	42 U	43 U	43 U	40 U	45 U	41 U	170 U	43 U
Aroclor-1248	33	43 U	42 U	43 U	43 U	40 U	45 U	41 U	170 U	43 U
Aroclor-1254	33	250	220	270	250	22 J	690	480	500	120
Aroclor-1260	33	94	58 J	91	89	40 U	130 J	120 J	140 J	54
Total PCB	(mg/kg)	0.34	0.28 J	0.36	0.34	0.022 J	0.82 J	0.60 J	0.64 J	0.17

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A2 - 010	A2 - 011	A2 - 012	A2 - 013	A2 - 014	A2 - 015	A2 - 016
Lab ID #		6181	6182	6183	6184	6185	6186	6187
Percent Moisture		19	17	17	19	21	23	24
Dilution Factor		1	1	1	1	20	10	10
PCB	MDL ug/kg							
Aroclor-1016	33	41 U	40 U	40 U	41 U	840 U	430 U	430 U
Aroclor-1221	67	83 U	81 U	81 U	83 U	1700 U	870 U	880 U
Aroclor-1232	33	41 U	40 U	40 U	41 U	840 U	430 U	430 U
Aroclor-1242	33	41 U	40 U	40 U	41 U	840 U	430 U	430 U
Aroclor-1248	33	41 U	40 U	40 U	41 U	840 U	430 U	430 U
Aroclor-1254	33	230	270	60	210	990 J	1500	530 J
Aroclor-1260	33	56 J	81 J	31 J	58 J	840 U	750	430 U
Total PCB	(mg/kg)	0.29 J	0.35 J	0.091 J	0.27 J	0.99 J	2.3	0.53 J

U - Non-detected compound.
B - Detected in the corresponding method blank
J - Estimated Value
JN - Presumptive evidence of a compound at an estimated value.
R - Rejected Compound
UJ- Analyte was not detected. The reported quantitation limit is qualified estimated.

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201682

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TABLE - 3 PCB DATA (Area 3)

SITE NAME: Cornell - Dubilier Electronics
SAMPLING DATE: May 5, 1998
UNITS: ug/kg

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A3 - 001	A3 - 002	A3 - 003	A3 - 004	A3 - 005	A3 - 006	A3 - 007	A3 - 008
Lab ID #		6188	6189	6190	6191	6192	6193	6194	6195
Percent Moisture		19	25	20	19	21	19	19	27
Dilution Factor		1	1	2	20	1	1	1	2
PCB	MDL ug/kg								
Aroclor-1016	33	41 U	44 U	82 U	810 U	42 U	41 U	41 U	90 U
Aroclor-1221	67	83 U	89 U	170 U	1700 U	85 U	83 U	83 U	180 U
Aroclor-1232	33	41 U	44 U	82 U	810 U	42 U	41 U	41 U	90 U
Aroclor-1242	33	41 U	44 U	82 U	810 U	42 U	41 U	41 U	90 U
Aroclor-1248	33	41 U	44 U	82 U	810 U	42 U	41 U	41 U	90 U
Aroclor-1254	33	85 J	360	390	930 J	250	330	260 J	420
Aroclor-1260	33	32 J	120 J	130	810 U	90	73 J	140 J	120 J
Total PCB	(mg/kg)	0.12 J	0.48 J	0.52	0.93 J	0.34	0.40 J	0.40 J	0.54 J

Matrix		Soil	Soil
Client ID #		A3 - 009	A3 - 010
Lab ID #		6196	6197
Percent Moisture		22	19
Dilution Factor		10	10
PCB	MDL ug/kg		
Aroclor-1016	33	420 U	410 U
Aroclor-1221	67	860 U	830 U
Aroclor-1232	33	420 U	410 U
Aroclor-1242	33	420 U	410 U
Aroclor-1248	33	420 U	410 U
Aroclor-1254	33	700 J	350 J
Aroclor-1260	33	420 U	410 U
Total PCB	(mg/kg)	0.70 J	0.35 J

UJ- Analyte was not detected. The reported quantitation limit qualified estimated.
U - Non-detected compound.
B - Detected in the corresponding method blank
J - Estimated Value
JN - Presumptive evidence of a compound at an estimated value.
R - Rejected Compound

Revised - 5/99

201683

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TABLE - 4 PCB DATA (Area 4)

SITE NAME: Cornell - Dubilier Electronics
SAMPLING DATE: May 5, 1998
UNITS: ug/kg

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A4-001	A4- 002	A4 - 003	A4 - 004	A4 - 005	A4 - 006	A4 - 007	A4 - 008	A4 -009
Lab ID #		6198	6199	6200	6201	6202	6203	6204	6205	6206
Percent Moisture		20	21	20	19	22	20	22	18	22
Dilution Factor		1	1	1	10	2	2	1	1	4
PCB	MDL ug/kg									
Aroclor-1016	33	41 U	42 U	41 U	410 U	85 U	82 U	42 U	40 U	170 U
Aroclor-1221	67	84 U	85 U	84 U	830 U	170 U	170 U	86 U	82 U	340 U
Aroclor-1232	33	41 U	42 U	41 U	410 U	85 U	82 U	42 U	40 U	170 U
Aroclor-1242	33	41 U	42 U	41 U	410 U	85 U	82 U	42 U	40 U	170 U
Aroclor-1248	33	41 U	42 U	41 U	410 U	85 U	82 U	42 U	40 U	170 U
Aroclor-1254	33	270	300	140	1200 J	390	400	37 J	65	900
Aroclor-1260	33	110	110	69	170 J	98 J	110 J	17 J	24 J	200 J
Total PCB	(mg/kg)	0.38	0.41	0.21	1.4 J	0.49 J	0.51 J	0.054 J	0.89 J	1.1 J

Matrix		Soil	Soil
Client ID #		A4 - 010	A4 - 011
Lab ID #		6207	6208
Percent Moisture		26	9
Dilution Factor		1	1
PCB	MDL ug/kg		
Aroclor-1016	33	45 U	36 U
Aroclor-1221	67	91 U	74 U
Aroclor-1232	33	45 U	36 U
Aroclor-1242	33	45 U	36 U
Aroclor-1248	33	45 U	36 U
Aroclor-1254	33	270	130
Aroclor-1260	33	100	37 J
Total PCB (Mg/Kg)	(mg/kg)	0.37	0.17 J

UJ- Analyte was not detected. The reported quantitation limit is qualified estimated.
U - Non-detected compound.
B - Detected in the corresponding method blank
J - Estimated Value
JN - Presumptive evidence of a compound at an estimated value.
R - Rejected Compound

Revised - 5/99

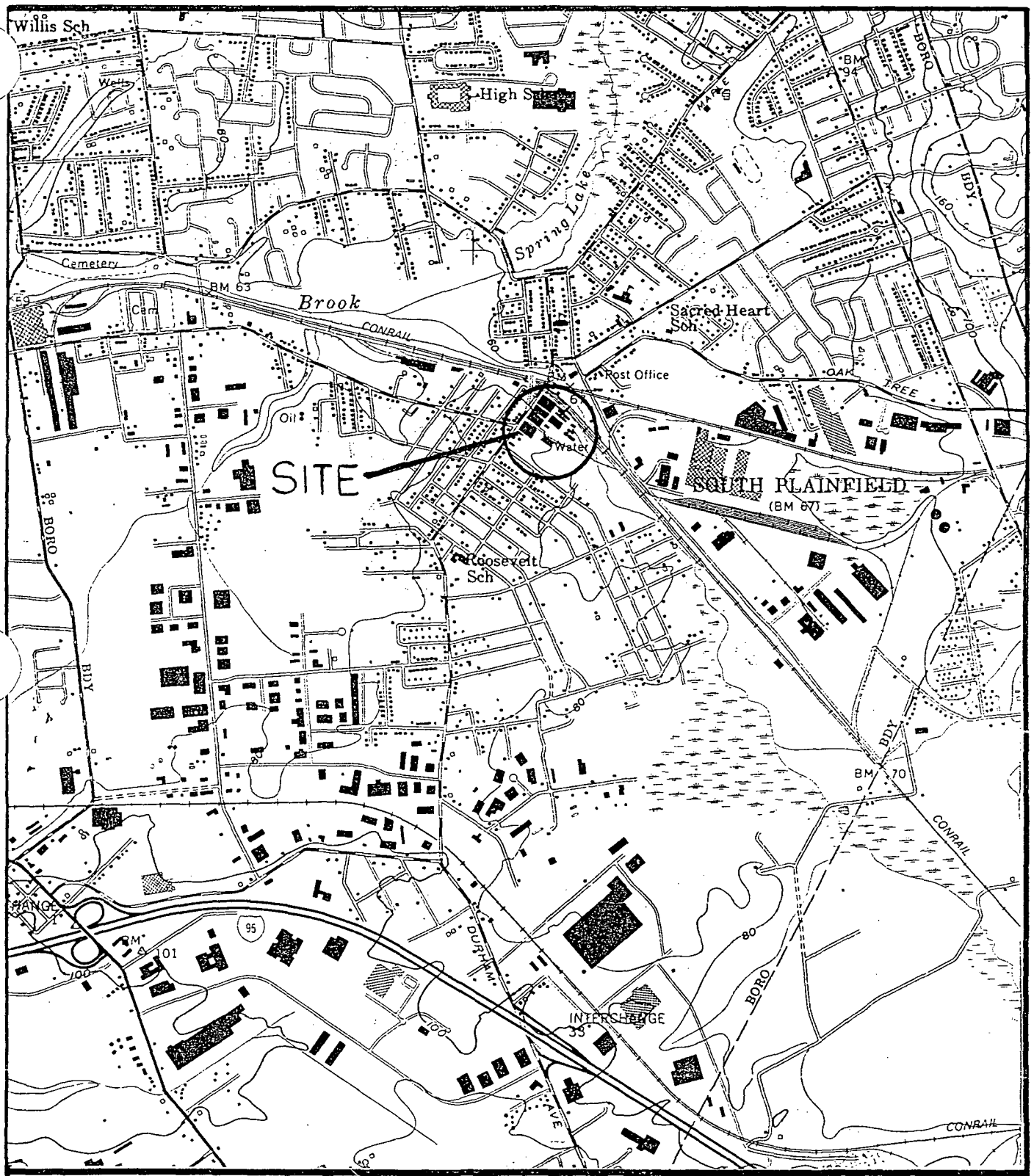
201684

a:/6198.wk4

APPENDIX 1

SITE MAPS/FIGURES

201685



WESTON MANAGERS DESIGNERS/CONSULTANTS **Roy F. Weston, Inc.** **FEDERAL PROGRAMS DIVISION**	EPA TM E. WILSON	CORNELL-DUBILIER ELECTRONICS S. PLAINFIELD, NJ
N ASSOCIATION WITH RESOURCE APPLICATION, Inc. **C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES,** **PRC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.**	START PM M. MAHNKOPF	FIGURE 1 SITE LOCATION MAP

201686

THIS MAP IS AN OVERSIZED DOCUMENT. IT IS AVAILABLE FOR REVIEW AT:
U. S. EPA, REGION 2 SUPERFUND RECORDS CENTER
290 BROADWAY, 18TH FLOOR,
NEW YORK, NY 10007

FIGURE 3 - SOIL SAMPLE LOCATIONS AND TOTAL PCB RESULTS CORNELL-DUBILIER ELECTRONICS SOUTH PLAINFIELD, NEW JERSEY RESIDENTIAL/NEIGHBORHOOD SAMPLING AREA 3, MAY 5, 1998

US EPA REMOVAL ACTION BRANCH

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
CONTRACT# 68-W5-0019

DRAWN BY: L.ARROYO,JR.

EPA TASK MONITOR: E.WILSON

START PROJECT MANAGER: M.MAHNKOPF

201687

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NEW YORK, NY 10007

ME AVE.

LEGEND:

● A4-001	SOIL SAMPLE LOCATIONS
(0.38)	PCB (POLYCHLORINATED BIPHENYLS) CONCENTRATION IN mg/Kg
J	ESTIMATED VALUE

FIGURE 4 - SOIL SAMPLE LOCATIONS AND TOTAL PCB RESULTS CORNELL-DUBILIER ELECTRONICS SOUTH PLAINFIELD, NEW JERSEY RESIDENTIAL/NEIGHBORHOOD SAMPLING AREA 4, MAY 5, 1998

US EPA REMOVAL ACTION BRANCH
SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
CONTRACT# 68-W5-0019

DRAWN BY: L.ARROYO,JR.

EPA TASK MONITOR: E.WILSON

START PROJECT MANAGER: M.MAHNKOPF

201688

THIS MAP IS AN OVERSIZED DOCUMENT. IT IS AVAILABLE FOR REVIEW AT:
U. S. EPA, REGION 2 SUPERFUND RECORDS CENTER
290 BROADWAY, 18TH FLOOR,
NEW YORK, NY 10007

1 SOIL SAMPLE LOCATIONS
A1-001

(0.38) PCB (POLYCHLORINATED BIPHENYLS) CONCENTRATION IN mg/Kg

J ESTIMATED VALUE

FIGURE 2 - SOIL SAMPLE LOCATIONS AND TOTAL PCB RESULTS CORNELL-DUBILIER ELECTRONICS SOUTH PLAINFIELD, NEW JERSEY RESIDENTIAL/NEIGHBORHOOD SAMPLING AREAS 1 & 2, MAY 4/5, 1998

US EPA REMOVAL ACTION BRANCH

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
CONTRACT# 68-W5-0019

BY: L.ARROYO,JR.

MONITOR: E.WILSON

ROJECT MANAGER: M.MAHNKOPF

201689

9

APPENDIX 2

TRIP REPORT - MAY 7, 1998

201690

Roy F. Weston, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

May 7, 1998

Mr. Eric Wilson
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

TDD NO: 02-97-02-0015
DCN NO: START-02-F-01817
SUBJECT: NEIGHBORHOOD SCREENING SOIL SAMPLING TRIP REPORT
CORNELL-DUBILIER ELECTRONICS,
SOUTH PLAINFIELD, NEW JERSEY

Dear Mr. Wilson:

Enclosed please find one (1) copy of the Sampling Trip Report for the neighborhood screening soil sampling conducted at the above referenced site on May 4 and 5, 1998. If you have any questions or comments, please contact me at (732) 225-6116.

Sincerely,

ROY F. WESTON, INC.

Thomas Orill for
Michael Mahnkopf
Project Manager

Enclosure

201691

SAMPLING TRIP REPORT

SITE NAME: Cornell-Dubilier Electronics
DCN #: START-02-F-01817
TDD #: 02-97-02-0015

SAMPLING DATE: May 4 and 5, 1998

EPA I.D. NO.: GZ

1. Site Location: Former Cornell-Dubilier Electronics
333 Hamilton Boulevard, South Plainfield, New Jersey
(See Figure 1). Specifically, surface (0-2") soil samples were collected at 100' intervals from the following areas:

1.Area bounded on the northeast by Delmore Avenue, on the south by Belmont Avenue, on the southwest by Arlington Avenue, and on the northwest by Hamilton Boulevard (Area 1);

2. Area located on the northeast side of Delmore Avenue, between Fulton Street and Belmont Avenue (Area 2);

3. Area located on the south side of Belmont Avenue between Arlington Avenue and Metuchen Road (Area 3);

4. Area located on the southeast side of Hancock Street between Lakeview and Amboy Avenues (Area 4).

2. Sample Descriptions: Eighty-two (82) surface soil samples (including field duplicates and MS/MSD's) and two (2) field rinsate blanks were collected and submitted for total polychlorinated biphenyl (PCB) analysis. See Tables 1 and 2 for additional information.

3. Laboratory Receiving Samples:

Analysis	Name and Address of Laboratory
Total PCBs	Ecology & Environment 4493 Walden Ave. Lancasters, NY 14086 (716) 685-8080

4. Sample Dispatch Data:

On May 4, 1998, a total of fifty (50) samples were shipped by Region II START personnel, via Federal Express (airbill No.'s 4811728972 and 9701914914), to Ecology & Environment, Lancasters, NY.

On May 5, 1998, a total of thirty-four (34) samples were shipped by Region II START personnel, via Federal Express (airbill No. 4811728983), to Ecology & Environment, Lancasters, NY.

5. On-Site Personnel:

Name	Representing	Duties on Site
Eric Wilson	U.S. EPA	On-Scene Coordinator
Thomas O'Neill	Region II START	Sample Management
Sharron DaCosta	Region II START	Sample Technician
Harry Allen	Region II START	Sample Technician

6. Additional Comments:

On May 4 and 5, 1998, a total of eighty-two (82) soil samples were collected from seventy-four (74) sample locations. The eighty-two (82) samples included seventy-four (74) surface soil samples, four (4) field duplicates and four (4) matrix spike/matrix spike duplicate samples. All samples were collected with dedicated plastic scoops/spatulas. Additionally, two (2) field rinsate blanks were generated and submitted for laboratory analysis.

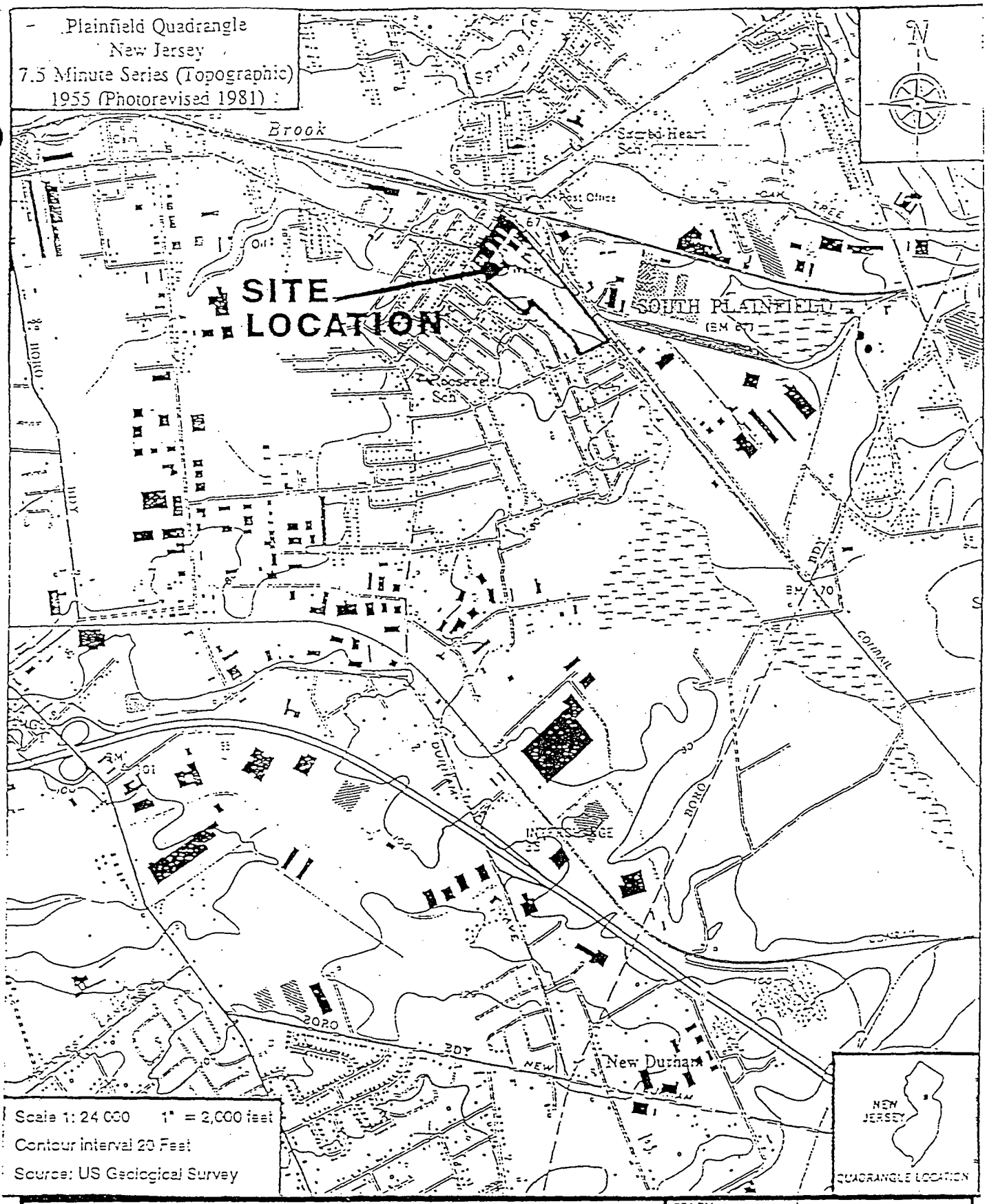
Where necessary and prior to sample collection, non-dedicated stainless steel spackle knives and trowels were utilized to remove the top layer of grass at sample locations.

The stainless steel spackle knives and trowels were decontaminated between sample locations using a detergent (Alconox)/water solution, followed by a tap water rinse.

Enclosed as Attachment A are copies of the chain of custody records.

7. Report prepared by: Michael Mahnkopf M.M Date: May 7, 1998

8. Report reviewed by: Thomas O'Neill TO Date: May 7, 1998



WESTON MANAGERS DESIGNERS/CONSULTANTS	Roy F. Weston, Inc. FEDERAL PROGRAMS DIVISION	EPA TM E. WILSON	CORNELL-DUBILIER ELECTRONICS S. PLAINFIELD, NJ
IN ASSOCIATION WITH RESOURCE APPLICATION, Inc. C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES, PRC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.		START PM M. MAHNKOPF	FIGURE 1 SITE LOCATION MAP

201694

TABLE 1

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 4, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A1-001	Soil	0-2"	05/04/98 1105 hrs.	Total PCB	611 Hamilton Blvd.
A1-002	Soil	0-2"	05/04/98 1113 hrs.	Total PCB	109 Arlington Ave.
A1-003	Soil	0-2"	05/04/98 1115 hrs.	Total PCB	117 Arlington Ave.
A1-004	Soil	0-2"	05/04/98 1125 hrs.	Total PCB	133 Arlington Ave.
A1-005	Soil	0-2"	05/04/98 1135 hrs.	Total PCB	136 Delmore Ave.
A1-006	Soil	0-2"	05/04/98 1142 hrs.	Total PCB	613 Garibaldi Ave.
A1-007	Soil	0-2"	05/04/98 1155 hrs.	Total PCB	613 Garibaldi Ave., Block 339, Lot 3
A1-007A	Soil	0-2"	05/04/98 1547 hrs.	Total PCB	217 Arlington Ave.
A1-007B	Soil	0-2"	05/04/98 1545 hrs.	Total PCB	224 Delmore Ave., Block 339, Lot 5
A1-007B MS/MSD	Soil	0-2"	05/04/98 1545 hrs.	Total PCB	Matrix spike/matrix spike dupl.
A1-007C	Soil	0-2"	05/04/98 1545 hrs.	Total PCB	Duplicate of A1-007B
A1-008	Soil	0-2"	05/04/98 1202 hrs.	Total PCB	229 Arlington Ave.

TABLE 1

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 4, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A1-009	Soil	0-2"	05/04/98 1209 hrs.	Total PCB	610 Fulton St.
A1-010	Soil	0-2"	05/04/98 1209 hrs.	Total PCB	609 Fulton St.
A1-011	Soil	0-2"	05/04/98 1230 hrs.	Total PCB	Block 340, Lot 4.01
A1-012	Soil	0-2"	05/04/98 1235 hrs.	Total PCB	Block 340, Lot 4.01
A1-013	Soil	0-2"	05/04/98 1245 hrs.	Total PCB	Block 340, Lot 4.01
A1-014	Soil	0-2"	05/04/98 1245 hrs.	Total PCB	Block 340, Lot 4.01
A1-015	Soil	0-2"	05/04/98 1232 hrs.	Total PCB	331 Arlington Ave.
A1-016	Soil	0-2"	05/04/98 1400 hrs.	Total PCB	805 Belmont Ave.
A1-017	Soil	0-2"	05/04/98 1400 hrs.	Total PCB	Block 340, Lot 4.01
A1-018	Soil	0-2"	05/04/98 1405 hrs.	Total PCB	Block 340, Lot 4.01
A1-019	Soil	0-2"	05/04/98 1410 hrs.	Total PCB	338 Delmore Ave.
A1-020	Soil	0-2"	05/04/98 1401 hrs.	Total PCB	Block 340, Lot 4.01

TABLE 1

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 4, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A1-021	Soil	0-2"	05/04/98 1412 hrs.	Total PCB	Block 340, Lot 4.01
A1-022	Soil	0-2"	05/04/98 1415 hrs.	Total PCB	310 Delmore Ave.
A1-023	Soil	0-2"	05/04/98 1420 hrs.	Total PCB	300 Delmore Ave.
A1-024	Soil	0-2"	05/04/98 1430 hrs.	Total PCB	240 Delmore Ave.
A1-025	Soil	0-2"	05/04/98 1415 hrs.	Total PCB	240 Delmore Ave.
A1-026	Soil	0-2"	05/04/98 1430 hrs.	Total PCB	228 Delmore Ave.
A1-027	Soil	0-2"	05/04/98 1440 hrs.	Total PCB	216 Delmore Ave.
A1-028	Soil	0-2"	05/04/98 1445 hrs.	Total PCB	210 Delmore Ave.
A1-029	Soil	0-2"	05/04/98 1445 hrs.	Total PCB	200 Delmore Ave.
A1-030	Soil	0-2"	05/04/98 1450 hrs.	Total PCB	136 Delmore Ave.
A1-031	Soil	0-2"	05/04/98 1435 hrs.	Total PCB	132 Delmore Ave.

TABLE 1

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 4, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A1-032	Soil	0-2"	05/04/98 1520 hrs.	Total PCB	124 Delmore Ave.
A1-033	Soil	0-2"	05/04/98 1512 hrs.	Total PCB	116 Delmore Ave.
A1-033 MS/MSD	Soil	0-2"	05/04/98 1512 hrs.	Total PCB	Matrix spike/ matrix spike dupl.
A1-034	Soil	0-2"	05/04/98 1515 hrs.	Total PCB	112 Delmore Ave.
A1-035	Soil	0-2"	05/04/98 1520 hrs.	Total PCB	601 Hamilton Blvd.
A1-036	Soil	0-2"	05/04/98 1105 hrs.	Total PCB	Duplicate of A1-001
A1-010A	Soil	0-2"	05/04/98 1250 hrs.	Total PCB	311 Arlington Ave.
A2-001	Soil	0-2"	05/04/98 1628 hrs.	Total PCB	357 Belmont Ave.
A2-002	Soil	0-2"	05/04/98 1632 hrs.	Total PCB	351 Delmore Ave.
A2-003	Soil	0-2"	05/04/98 1640 hrs.	Total PCB	347 Delmore Ave.
A2-004	Soil	0-2"	05/04/98 1635 hrs.	Total PCB	Block 335, Lot 8.01
A2-005	Soil	0-2"	05/04/98 1645 hrs.	Total PCB	323 Delmore

TABLE 1

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 4, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A2-006	Soil	0-2"	05/04/98 1652 hrs.	Total PCB	319 Delmore Ave.
A2-007	Soil	0-2"	05/04/98 1705 hrs.	Total PCB	301 Delmore Ave.
RB-1	Aqueous	N/A	05/04/98 1730 hrs.	Total PCB	Rinsate blank

TABLE 2

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 5, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A2-008	Soil	0-2"	05/05/98 0910 hrs.	Total PCB	Block 335, Lot 8.01
A2-008 MS/MSD	Soil	0-2"	05/05/98 0910 hrs.	Total PCB	Matrix spike/ Matrix spike dupl.
A2-009	Soil	0-2"	05/05/98 0920 hrs.	Total PCB	Block 335, Lot 8.01
A2-010	Soil	0-2"	05/05/98 0930 hrs.	Total PCB	Block 335, Lot 8.01
A2-011	Soil	0-2"	05/05/98 0920 hrs.	Total PCB	Block 335, Lot 8.01
A2-012	Soil	0-2"	05/05/98 0935 hrs.	Total PCB	Block 335, Lot 8.01
A2-013	Soil	0-2"	05/05/98 0925 hrs.	Total PCB	Block 335, Lot 8.01
A2-014	Soil	0-2"	05/05/98 0910 hrs.	Total PCB	315 Delmore Ave.
A2-015	Soil	0-2"	05/05/98 0935 hrs.	Total PCB	Block 335, Lot 1
A2-016	Soil	0-2"	05/05/98 0910 hrs.	Total PCB	Duplicate of A2-008
A3-001	Soil	0-2"	05/05/98 1000 hrs.	Total PCB	401 Arlington Ave.
A3-002	Soil	0-2"	05/05/98 1015 hrs.	Total PCB	400 Delmore Ave.

TABLE 2

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 5, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A3-003	Soil	0-2"	05/05/98 1035 hrs.	Total PCB	904 Belmont Ave.
A3-004	Soil	0-2"	05/05/98 1040 hrs.	Total PCB	910 Belmont Ave.
A3-005	Soil	0-2"	05/05/98 1050 hrs.	Total PCB	1000 Belmont Ave.
A3-006	Soil	0-2"	05/05/98 1105 hrs.	Total PCB	1112 Belmont Ave.
A3-007	Soil	0-2"	05/05/98 1135 hrs.	Total PCB	1124 Belmont Ave.
A3-008	Soil	0-2"	05/05/98 1130 hrs.	Total PCB	1126 Belmont Ave.
A3-009	Soil	0-2"	05/05/98 1135 hrs.	Total PCB	1126 Belmont Ave.
A3-010	Soil	0-2"	05/05/98 1125 hrs.	Total PCB	1130 Belmont Ave.
A1-003A	Soil	0-2"	05/05/98 1430 hrs.	Total PCB	127 Arlington Ave.
A4-001	Soil	0-2"	05/05/98 1315 hrs.	Total PCB	439 Hancock St., Easement
A4-001 MS/MSD	Soil	0-2"	05/05/98 1315 hrs.	Total PCB	Matrix spike/ Matrix spike dupl.
A4-002	Soil	0-2"	05/05/98 1320 hrs.	Total PCB	439 Hancock St., Easement

TABLE 2

CORNELL-DUBILIER ELECTRONICS
SOUTH PLAINFIELD, NJ
RESIDENTIAL SOIL SAMPLING & ANALYSIS

MAY 5, 1998

SAMPLE ID	MATRIX	DEPTH	DATE/ TIME	ANALYSIS	LOCATION
A4-003	Soil	0-2"	05/05/98 1325 hrs.	Total PCB	431 Hancock St., Easement
A4-004	Soil	0-2"	05/05/98 1332 hrs.	Total PCB	419 Hancock St.
A4-005	Soil	0-2"	05/05/98 1330 hrs.	Total PCB	413 Hancock St.
A4-006	Soil	0-2"	05/05/98 1440 hrs.	Total PCB	409 Hancock St.
A4-007	Soil	0-2"	05/05/98 1350 hrs.	Total PCB	337 Hancock St., Easement
A4-008	Soil	0-2"	05/05/98 1405 hrs.	Total PCB	329 Hancock St., Easement
A4-009	Soil	0-2"	05/05/98 1300 hrs.	Total PCB	321 Hancock St.
A4-010	Soil	0-2"	05/05/98 1315 hrs.	Total PCB	Duplicate of A4-001
A4-011	Soil	0-2"	05/05/98 1415 hrs.	Total PCB	321 Hancock St.
RB-2	Aqueous	N/A	05/05/98 1515 hrs.	Total PCB	Rinsate blank

ATTACHMENT 1

CHAIN OF CUSTODY RECORDS

RFP No.: 2535

PO No.: 92116

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 904-725-6116 Fax: 904-725-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSES VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSES IGN	COR	REAC	OTHER
A1-001	3/4/98 1105	5	L	G	6				X						
A1-002	1113								X						
A1-003	1115								X						
A1-004	1125								X						
A1-005	1135								X						
A1-006	1142								X						
A1-007	1155								X						
A1-007A	1547								X						
A1-007B	1545								X						MS/MSD (2)
A1-007C	1545								X						
A1-008	1202								X						

Comments: 5 pt. calibration using Aroclor 1254 STD.

MS/MSD @ A1-007B

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
Tom O'Neil	1800	5/4/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	Thomas O'Neil	1800	5/4/98		
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C. and CDM Environmental Services, Inc.

201704

RFP No.:	
2535	
PO No.:	
92116	

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 904-225-6116 Fax: 904-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	RNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS KEN	COR	REAC	OTHER
A1-009	5/4/98 1301	5	L	G	6				X						
A1-010	1309								X						
A1-011	1230								X						
A1-012	1235								X						
A1-013	1245								X						
A1-014	1245								X						
A1-015	1232								X						
A1-016	1400								X						
A1-017	1400								X						
A1-018	1405								X						
A1-019	1410								X						

Comments:

5 pt calibration using Aroclor 1254 STD

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
Tom O'Keil	1800	5/4/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
A1	Tom O'Keil	1800	5/4/98		
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C. and GRB Environmental Services, Inc.

201705

REP No.:	
2535	
PO No.:	
92116	

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 904-225-6116 Fax: 904-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSES VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSES ION	COR	REAC	OTHER
A1-020	5/4/98 1401	5	C	G	6				X						
A1-021	1412								X						
A1-022	1415								X						
A1-023	1420								X						
A1-024	1430								X						
A1-025	1415								X						
A1-026	1430								X						
A1-027	1440								X						
A1-028	1445								X						
A1-029	1445								X						
A1-030	1450								X						

Comments:

5 pt. calibration using Aroclor 1254 STD

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
Tom O'Neil	1800	5/4/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
A1	Thomas O'Neil	1800	5/4/98		

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C. and GRB Environmental Services

201706

REF. No.:
2535
PO No.:
92116

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSES VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSES IGN	COR	REAC	OTHER
A1-031	5/4/98 1435	5	L	G	6				X						
A1-032	1520								X						
A1-033	1512								X						ms/msd (2)
A1-034	1515								X						
A1-035	1520								X						
A1-036	1105								X						
A1-010A	1250								X						
A2-001	1628								X						
A2-002	1632								X						
A2-003	1640								X						
A2-004	1635								X						

Comments: spk. calibration using Aroclor 1254 STD
ms/msd for A1-033

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
Tom O'Neil	1800	5/4/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	Tom O'Neil	1800	5/4/98		

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C. and CRA Environmental Services, Inc.

201707

REP. No.:	PO No.:
2535	92116

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 904-225-6116 Fax: 904-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS XRN	COR	REAC	OTHER
A2-005	5/4/98 1645	5	L	G	6				X						
A2-006	1652								X						
A2-007	1705								X						
RB-1	1730								X						(2)

Comments:
5 pt Calibration using Aroclor 1254 STD.

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
Tom O'Neil	1800	5/4/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	[illegible]	1800	5/4/98		
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and CDM Environmental Services, Inc.

201708

CHAIN OF CUSTODY RECORD

RFP No.: 2535

PO No.: 92116

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 904-225-6116 Fax: 904-225-7037

1 of 3

Matrix Box No.:	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSES VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSES IGN	COR	REAC	OTHER
A2-008	5/5/98 0910	5	L	G	6				X						ms/msd (2)
A2-009	0920								X						
A2-010	0930								X						
A2-011	0920								X						
A2-012	0935								X						
A2-013	0925								X						
A2-014	0910								X						
A2-015	0935								X						
A2-016 ~~A2-0 (SD)~~	0910								X						
A3-001	1000								X						
A3-002	1015								X						

Comments: 5pt calibration using Aroclor 1254 STD.
ms/msd at A2-008

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
T. O'Neill	1630	5/5/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
A1	[illegible]	1530	5/5/98		

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and CDM Environmental Services

201709

CHAIN OF CUSTODY RECORD

RFP No.: 2535

PO No.: 92116

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

2 of 3

Matrix Box No.:	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	TCL ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
A3-003	5/5/98 1035	5	L	G	6				X						
A3-004	1040								X						
A3-005	1050								X						
A3-006	1105								X						
A3-007	1135								X						
A3-008	1130								X						
A3-009	1135								X						
A3-010	1125								X						
A1-003A	1430								X						
A4-001	1315								X						MS/MSD (2)
A4-002	1320								X						

Comments: MS/MSD at A4-001
5 pt. calibration using Aroclor #54 STD

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
T. O'Neill	1630	5/5/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
A1	Thomas O'Neill	1530	5/5/98		
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C. and GRT Environmental Services, Inc.

201710

RFP No.: 2535

PO No.: 92116

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 904-225-6116 Fax: 904-225-7037

Matrix Box No.:	Preservative Box No.
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

3 of 3

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
A4-003	5/5/98 ~~0812~~ 1325	5	L	G	6				X						
A4-004	1332								X						
A4-005	1330								X						
A4-006	1440								X						
A4-007	1350								X						
A4-008	1405								X						
A4-009	1300								X						
A4-010	1315								X						
A4-011	1415								X						
RB-2	1515								X						
									X						

Comments: 5 pt calibration using Aroclor 1254 STD

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
T. O'Neill	1630	5/5/98

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	Travis O'Neill	1530	5/5/98		
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C. and GRB Environmental Services, Inc.

201711

APPENDIX 3

ANALYTICAL RESULTS (FORM I's)
&
DATA VALIDATION RESULTS

Roy F. Weston, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

DATA QUALITY OBJECTIVE

DOCUMENT CONTROL NO.: START-02-F-01817
CORNELL DUBILIER ELECTRONICS
PROJECT NO.: 2523

SAMPLING DATE MAY 4,1998
SAMPLING GROUP: 6041, 6068 & 6088

REPORTED BY
ROY F. WESTON, INC.

REVIEWED BY: Zohreh Hamid 6-14-98
Zohreh Hamid, Ph.D.
Senior Chemist
Date

201713

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, Inc., C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

CORNELL DUBILIER ELECTRONICS
PROJECT NUMBER: 2523
DCN: START-02-F-01817
SAMPLING DATE 5-4-98

INTRODUCTION

This quality assurance review is based upon a review of all data generated from forty seven soil samples, including two sets of field duplicates, and one reagent blank, collected on 05-04-98. The samples received on 05-05-98 by Ecology & Environment, Inc. (E & E) Laboratory, located in Lancaster, New York. The samples were grouped in three different SDG numbers by the laboratory, and analyzed according to the criteria set forth in SW846 Method 8082, for Poly Chlorinated Biphenyl (PCB) target compounds. The samples are tabulated in the following:

SDG NUMBER	SAMPLE ID
6041	A1-001 to A1-017 & A1-007A to A1-007C
6068	A1-018 to A1-036 & A1-010A
6088	A2-001 to A2-007 & RB-1

Two sets of MS/MSD samples were analyzed on samples A1-007B & A1-033.

All data have been validated with regard to usability according to USEPA Region II Functional Guidelines and the Quality Control criteria established in the applied Method. If you have any questions or comments on this data review, please call Zohreh Hamid at (610) 269-9989.

QUALITY ASSURANCE REVIEW

The findings offered in this report are based upon a review of the following criteria:

- Holding Times
- Calibrations
- Blanks
- Surrogate Recoveries
- Standards Recovery
- Matrix Spike/Spike Duplicate/Blank Spike Analyses
- Instrument Performance
- Field Duplicate Result
- Sample Results
- Data Completeness

HOLDING TIME

All samples were extracted/analyzed within the Region II requirements.

CALIBRATIONS

A five-point calibration analysis was performed for aroclor-1016, aroclor-1254 and aroclor-1260. The percent RSDs were within the control limits of 20% at least in one column. Also, aroclor-1254 and aroclor-1660 were analyzed as continuing calibrations. The %Ds were within the control limits of less than 15% for all standards analyzed on primary and secondary columns.

The calibration blanks were not analyzed during the initial and continuing calibrations. However, the cross contamination was not expected, since "hexane" was analyzed prior to each calibration standard. The chromatogram for hexane was free of target compound peaks.

BLANK ANALYSIS

The preparation blanks and reagent blank were free of target compounds.

MATRIX SPIKE/SPIKE DUPLICATE ANALYSIS

Two sets of matrix spike/spike duplicate analyses were performed. The recoveries were within the control limits of 50-150, with the exception of aroclor-1254 recovery in A1-007BMS (13.8%). The recovery of the corresponding A1-007BMSD was within the control limits. Consequently, the RPD (165) exceeded the QC limit of 35%. The data were not impacted, since the recoveries were within the control limits in the other QC sample.

One set of blank spike/spike duplicate samples (BS/BSD) was analyzed for each matrix. The recoveries were within the control limits with the exception of blank spike recovery (47.9%) in soil blank matrix spike. Also the RPD (48.6) exceeded the control limits. The data were not impacted since the deviation was marginal.

STANDARD RECOVERY

All external standard recoveries and retention times in the initial and continuing calibrations were within the control limits on the primary and secondary columns.

SURROGATE RECOVERIES

The surrogate recoveries for TCX and DCB were within the control limits of 30-150% range with the exception of the following DCB surrogate compound recoveries:

Sample ID	Column #1	Column #2
A1-004	194	153
A1-007B	164	163
A1-007B MSD	178	174
A1-007C		167
A1-025		153
A1-029	179	180

Also, the recoveries of TCX surrogate compound in water blank (16/16%) were below the control limits of 50% on both column. The data for the above samples were not qualified, since at least one surrogate compound met the requirements.

The surrogate recoveries were diluted out in sample A1-002. Therefore, the retention times for TCX & DCB could not be evaluated. The sample data were not qualified based on these advisory limits.

DUPLICATE ANALYSIS

Two sets of field duplicate sample analyses were performed for these samples. The RPDs were listed in the following:

Sample IDs	Compound Name	Field Sample Result	Field Dup Results	RPD
A1-001/036	Aroclor-1254 Arclor-1260	470 150	360 110	27 30
A1-007B/007C	Aroclor-1254 Aroclor-1260	790 380	580 300	31 24

The RPDs demonstrated the acceptable reproducibility for this matrix/analysis.

SAMPLE RESULTS

The results were reported from two different columns. The %Ds for the reported results was within the validation requirement limit of 50% with the exception of the following:

Sample ID	Compound Name	%D
A1-001	Ar-1254	53
	Ar-1260	60
A1-004	Ar-1254	226
A1-005	Ar-1254	92
	Ar-1260	53
A1-007B	Ar-1260	79
A1-007C	Ar-1260	73
A1-008	Ar-1254	100
A1-009	Ar-1254	94
A1-013	Ar-1260	146
AR-014	Ar-1260	68
A1-015	Ar-1260	83
A1-017	Ar-1260	62
A1-018	Ar-1260	86
A1-019	Ar-1260	53
A1-020	Ar-1260	54
A1-022	Ar-1260	80
A1-024	Ar-1254	288
A1-025	AR-1254	117
A1-026	Ar-1254	118
	Ar-1260	65
A1-027	Ar-1260	100
A1-028	Ar-1260	96
A1-029	Ar-1260	108
A1-031	Ar-1260	65
A1-032	Ar-1260	64
A1-033	Ar-1260	59
A1-034	Ar-1260	79
A1-036	Ar-1260	55
A2-002	Ar-1260	210
A2-006	Ar-1260	108
A2-007	Ar-1260	75

Note: The sample results were flagged "P" by the laboratory for the %Ds above 25%. However, based on the validation requirements, the results were not qualified when the %D is less than 50%.

The reported results were contractually qualified estimated.

Several samples were analyzed at higher dilutions due to the high levels of aroclor-1254. The validation review of chromatograms and the quantitation reports demonstrated that the applied dilutions are appropriate. Therefore, the data quality was considered acceptable.

The results below the reporting limits were qualified estimated due to the uncertainly near the detection limits.

DATA COMPLETENESS

Sample A1-004 was analyzed on 5-20-98 @ 23:02. The calibration chromatograms were not included in the corresponding data package. The quality of the data was not impacted since the required documents were found in the analysis data reported under SDG number 6178.

SUMMARY

The cooler temperatures were within the control limits. The analysis data packages followed the CLP type data package deliverable format. The data package completeness was satisfactory.. The sulfur clean up analysis performed. The results from both sets of primary and secondary analyses were listed on similar form X. The lower of two values was reported on the form I. Overall the data quality was satisfactory, and major problems were not encountered during the sample analysis. The minor issues have been discussed. The reported data were summarized on the data summary with the applied qualifier codes.

1. Appendix A- Glossary of Data Qualifier
2. Appendix B- Data Summary Forms
3. Appendix C- Laboratory Results (Form I)
4. Appendix D - Support Documentation

Appendix A
Glossary of Data Qualifier

WESTON

GLOSSARY OF DATA QUALIFIERS

CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

U = NOT DETECTED SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS. [Substantially is equivalent to a result less than 10 times the blank level for common contaminants (methylene chloride, acetone and 2- butanone in the VOA analyses, and common phthalates in the BNA analyses, along with tentatively identified compounds) or less than 5 times the blank level for other target compounds.]

R = UNUSABLE RESULT. THE PRESENCE OR ABSENCE OF THIS ANALYTE CANNOT BE VERIFIED. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.

N = NEGATED COMPOUND. THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICCATION.

CODES RELATING TO QUATITATION

(can be used for both positive results and sample quantitation limits):

J = ANALYTE WAS POSITIVELY IDENTIFIED. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.

UJ = ANALYTE WAS NOT DETECTED. THE REPORTED QUATITATION LIMIT IS QUALIFIED ESTIMATED.

OTHER CODES

Q = NO ANALYTICAL RESULT.

Appendix B
Data Summary Forms

201722

Polychlorinated Biphenyl (PCB) Analysis
Data summary

201723

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6041
Units: ug/kg

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1-001	A1 - 002	A1 - 003	A1 - 004	A1 - 005	A1 - 006	A1 -007	A1 - 007A	A1 - 007B
Lab ID #		6041	6042	6043	6044	6045	6046	6047	6048	6049
Percent Moisture		23	21	22	24	30	21	24	21	23
Dilution Factor		2	20	1	10	2	1	1	1	4
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	470 J	2900	130	920 J	520 J	110	220	120	790
Aroclor-1260	33	150 J	U	69	U	170 J	U	81	62	380 J
Remark										

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1 - 007C	A1 - 008	A1 009	A1 - 010	A1 - 011	A1 - 012	A1 - 013	A1 - 014	A1 - 015
Lab ID #		6050	6051	6052	6053	6054	6055	6056	6057	6058
Percent Moisture		22	23	17	19	31	28	37	33	27
Dilution Factor		4	2	1	1	1	1	5	2	1
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	580	490 J	46 J	27 J*	100	100	1100	650	170
Aroclor-1260	33	300 J	150	31 J*	U	51	46	220 J	190 J	60 J
Remark		Field Dup								

* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6041
Units: ug/kg

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

201724

Matrix		Soil	Soil							
Client ID #		A1 - 016	A1 - 017							
Lab ID #		6059	6060							
Percent Moisture		17	30							
Dilution Factor		1	1							
PCB	MDL ug/kg									
Aroclor-1016	33	U	U							
Aroclor-1221	67	U	U							
Aroclor-1232	33	U	U							
Aroclor-1242	33	U	U							
Aroclor-1248	33	U	U							
Aroclor-1254	33	81	230							
Aroclor-1260	33	38 J*	69 J							
Remark										

* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

201725

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6068
Units: ug/kg

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1-018	A1 - 019	A1 - 020	A1 - 021	A1 - 022	A1 - 023	A1 - 024	A1 - 025	A1 - 026
Lab ID #		6068	6069	6070	6071	6072	6073	6074	6075	6076
Percent Moisture		22	19	24	30	19	22	26	24	25
Dilution Factor		1	1	1	1	1	1	10	10	5
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	180	130	99	290	81	220	850 J	1200 J	780 J
Aroclor-1260	33	58 J	38 J*	28 J*	98	25 J*	80	U	U	200 J*
Remark										

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1 - 027	A1 - 028	A1 029	A1 - 030	A1 - 031	A1 - 032	A1 - 033	A1 - 034	A1 - 035
Lab ID #		6077	6078	6079	6080	6081	6082	6083	6084	6085
Percent Moisture		20	22	24	27	30	31	23	19	14
Dilution Factor		1	1	1	2	2	1	4	2	5
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	450	380	410	400	610	350	680	450	820
Aroclor-1260	33	110 J	92 J	120 J	130	170 J	110 J	220 J	140 J	640
Romark										

* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6068
Units: ug/kg

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

201726

Matrix		Soil	Soil							
Client ID #		A1 - 036	A1 - 010A							
Lab ID #		6086	6087							
Percent Moisture		23	18							
Dilution Factor		1	1							
PCB	MDL ug/kg									
Aroclor-1016	33	U	U							
Aroclor-1221	67	U	U							
Aroclor-1232	33	U	U							
Aroclor-1242	33	U	U							
Aroclor-1248	33	U	U							
Aroclor-1254	33	360	95							
Aroclor-1260	33	110 J	43							
Remark		Field Dup								

Polychlorinated Biphenyl (PCB) Analysis
Data summary

201727

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6088
Units: ug/kg

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Client ID #		A2-001	A2-002	A2-003	A2 - 004	A2 -005	A2 - 006	A2 - 007		
Lab ID #		6088	6089	6090	6091	6092	6093	6094		
Percent Moisture		23	22	23	23	17	26	20		
Dilution Factor		1	1	1	1	1	1	1		
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U		
Aroclor-1221	67	U	U	U	U	U	U	U		
Aroclor-1232	33	U	U	U	U	U	U	U		
Aroclor-1242	33	U	U	U	U	U	U	U		
Aroclor-1248	33	U	U	U	U	U	U	U		
Aroclor-1254	33	250	220	270	250	22 J*	690	480		
Aroclor-1260	33	94	58 J	91	89	U	130 J	120 J		

Remark
* Below the detection limits

Polychlorinated Biphenyl (PCB) Analysis
Data summary

201728

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6088
Units: ug/l

Sampling Date: May 4, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Water								
Client ID #		RB-1								
Lab ID #		6095								
Percent Moisture										
Dilution Factor		1								
PCB	MDL ug/L									
Aroclor-1016	2.0	U								
Aroclor-1221	4.0	U								
Aroclor-1232	2.0	U								
Aroclor-1242	2.0	U								
Aroclor-1248	2.0	U								
Aroclor-1254	2.0	U								
Aroclor-1260	2.0	U								
Remark		Reagent Blk.								

Appendix C
Laboratory Reported Result

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-001

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6041

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	470	~~P~~ J
11096-82-5	Aroclor-1260	150	~~P~~ J

FORM I PEST SW8082

201730 14

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-002

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6042

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	840	U
11104-28-2	Aroclor-1221	1700	U
11141-16-5	Aroclor-1232	840	U
53469-21-9	Aroclor-1242	840	U
12672-29-6	Aroclor-1248	840	U
11097-69-1	Aroclor-1254	2900	
11096-82-5	Aroclor-1260	840	U

FORM I PEST SW8082

201731

19

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-003

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6043

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	130	
11096-82-5	Aroclor-1260	69	

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-004

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6044

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	880	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	920	~~P~~ J
11096-82-5	Aroclor-1260	430	U

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1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-005

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6045

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	94	U
53469-21-9	Aroclor-1242	94	U
12672-29-6	Aroclor-1248	94	U
11097-69-1	Aroclor-1254	520	~~P~~ J
11096-82-5	Aroclor-1260	170	~~P~~ J

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-006

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6046

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

Moisture: 21 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	110	
11096-82-5	Aroclor-1260	42	U

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-007

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6047

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	81	P

FORM I PEST SW8082

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-007A

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6048

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	120	~~P~~
11096-82-5	Aroclor-1260	62	

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-007B

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6049

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	790	
11096-82-5	Aroclor-1260	380	~~P~~ J

FORM I PEST SW8082

201738

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-007C

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6050

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/11/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	340	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	580	
11096-82-5	Aroclor-1260	300	~~P~~ J

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FORM I PEST SW8082

201739

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-008

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6051

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	490	~~P~~ J
11096-82-5	Aroclor-1260	150	~~P~~

FORM I PEST SW8082

201740

84

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-009

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6052

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	40	U
11104-28-2------	Aroclor-1221	81	U
11141-16-5------	Aroclor-1232	40	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	40	U
11097-69-1------	Aroclor-1254	46	P J
11096-82-5------	Aroclor-1260	31	J

BDL

FORM I PEST SW8082

201741

89

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-010

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6053

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	27	JP J
11096-82-5	Aroclor-1260	41	U

BDL

FORM I PEST SW8082

201742

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-011

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6054

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 31 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	100	
11096-82-5	Aroclor-1260	51	

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-012

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6055

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 28 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	100	
11096-82-5	Aroclor-1260	46	P

FORM I PEST SW8082

201744

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-013

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6056

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 37 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	260	U
11104-28-2	Aroclor-1221	530	U
11141-16-5	Aroclor-1232	260	U
53469-21-9	Aroclor-1242	260	U
12672-29-6	Aroclor-1248	260	U
11097-69-1	Aroclor-1254	1100	
11096-82-5	Aroclor-1260	220	~~JP~~ J

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-014

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6057

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 33 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	99	U
11104-28-2	Aroclor-1221	200	U
11141-16-5	Aroclor-1232	99	U
53469-21-9	Aroclor-1242	99	U
12672-29-6	Aroclor-1248	99	U
11097-69-1	Aroclor-1254	650	
11096-82-5	Aroclor-1260	190	~~P~~ J

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-015

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6058

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 27 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	170	
11096-82-5	Aroclor-1260	60	~~P~~ J

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-017

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix: (soil/water) SOIL Lab Sample ID: 6060

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/07/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/12/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	230	
11096-82-5	Aroclor-1260	69	~~P~~ J

FORM I PEST SW8082

201748

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-018

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6068

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	180	
11096-82-5	Aroclor-1260	58	~~P~~ J

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-019

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6069

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	130	
11096-82-5	Aroclor-1260	38	~~JP~~ J*

* BDL

FORM I PEST SW8082

201750

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-020

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6070

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	99	
11096-82-5	Aroclor-1260	28	~~JP~~ J*

* BDL

FORM I PEST SW8082

201751

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-021

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6071

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	47	U
11104-28-2------	Aroclor-1221	96	U
11141-16-5------	Aroclor-1232	47	U
53469-21-9------	Aroclor-1242	47	U
12672-29-6------	Aroclor-1248	47	U
11097-69-1------	Aroclor-1254	290	
11096-82-5------	Aroclor-1260	98	P

FORM I PEST SW8082

201752

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-022

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6072

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	81	
11096-82-5	Aroclor-1260	25	~~JP~~ J*

* BDL

FORM I PEST SW8082

201753

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-023

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6073

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	80	P

FORM I PEST SW8082

201754

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-024

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6074

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	450	U
11104-28-2	Aroclor-1221	910	U
11141-16-5	Aroclor-1232	450	U
53469-21-9	Aroclor-1242	450	U
12672-29-6	Aroclor-1248	450	U
11097-69-1	Aroclor-1254	850	~~P~~ J
11096-82-5	Aroclor-1260	450	U

FORM I PEST SW8082

201755

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-025

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6075

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	880	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	1200	~~P~~ J
11096-82-5	Aroclor-1260	430	U

FORM I PEST SW8082

201756

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-026

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6076

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 25 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	220	U
11104-28-2	Aroclor-1221	450	U
11141-16-5	Aroclor-1232	220	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	220	U
11097-69-1	Aroclor-1254	780	~~P~~ J
11096-82-5	Aroclor-1260	200	~~JP~~ J *

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FORM I PEST SW8082

201757

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-027

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6077

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	450	
11096-82-5	Aroclor-1260	110	~~P~~ J

FORM I PEST SW8082

201758

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-028

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6078

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	380	
11096-82-5	Aroclor-1260	92	P

FORM I PEST SW8082

201759

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-029

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6079

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	410	
11096-82-5	Aroclor-1260	120	~~P~~ J

FORM I PEST SW8082

201760

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-030

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6080

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 27 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	90	U
53469-21-9	Aroclor-1242	90	U
12672-29-6	Aroclor-1248	90	U
11097-69-1	Aroclor-1254	400	~~P~~ V
11096-82-5	Aroclor-1260	130	~~P~~ V

FORM I PEST SW8082

201761

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-031

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6081

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 30 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	94	U
53469-21-9	Aroclor-1242	94	U
12672-29-6	Aroclor-1248	94	U
11097-69-1	Aroclor-1254	610	
11096-82-5	Aroclor-1260	170	~~P~~ J

FORM I PEST SW8082

201762

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-032

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6082

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 31 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	350	
11096-82-5	Aroclor-1260	110	~~P~~ J

FORM I PEST SW8082

201763

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-033

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6083

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	680	
11096-82-5	Aroclor-1260	220	~~P~~ J

FORM I PEST SW8082

201764

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-034

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6084

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	81	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	81	U
53469-21-9	Aroclor-1242	81	U
12672-29-6	Aroclor-1248	81	U
11097-69-1	Aroclor-1254	450	
11096-82-5	Aroclor-1260	140	~~P~~ J

FORM I PEST SW8082

201765

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-035

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6085

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 14 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/19/98

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	390	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	820	
11096-82-5	Aroclor-1260	640	

FORM I PEST SW8082

201766

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-036

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6086

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	360	P
11096-82-5	Aroclor-1260	110	P

J

Field Dup

FORM I PEST SW8082

201767

106

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A1-010A

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix: (soil/water) SOIL Lab Sample ID: 6087

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	95	P
11096-82-5	Aroclor-1260	43	P

FORM I PEST SW8082

201768

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-001

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6088

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	250	P
11096-82-5	Aroclor-1260	94	P

FORM I PEST SW8082

201769

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-002

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6089

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	220	
11096-82-5	Aroclor-1260	58	~~P~~ J

FORM I PEST SW8082

201770

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-003

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6090

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	270	
11096-82-5	Aroclor-1260	91	P

FORM I PEST SW8082

201771

Appendix D
Support Documentation

201772

2F
SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKS1	104	100	96	95			0
02	A1-001	101	102	124	124			0
03	A1-002	0D	0D	0D	0D			0
04	A1-003	91	88	96	96			0
05	A1-004	115	109	194*	153*			2
06	A1-005	106	106	119	137			0
07	A1-006	112	108	116	122			0
08	A1-007	98	95	102	106			0
09	A1-007A	88	85	86	94			0
10	A1-007B	99	104	164*	163*			2
11	A1-007BMS	86	88	140	139			0
12	A1-007BMSD	108	112	178*	174*			2
13	A1-007C	85	88	134	167*			1
14	A1-008	98	102	126	140			0
15	A1-009	108	103	96	98			0
16	A1-010	102	98	110	139			0
17	A1-011	104	99	95	120			0
18	A1-012	104	100	126	104			0
19	A1-013	110	113	122	120			0
20	A1-014	96	100	122	104			0
21	A1-015	118	114	123	123			0
22	A1-016	112	110	106	112			0
23	A1-017	95	96	85	97			0

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-2 SW8082

201773

11

2F

SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKS1	109	101	112	103			0
02	A1-010A	110	103	95	100			0
03	A1-018	90	91	103	101			0
04	A1-019	104	101	103	104			0
05	A1-020	109	106	114	106			0
06	A1-021	110	105	104	92			0
07	A1-022	96	91	96	90			0
08	A1-023	104	102	102	103			0
09	A1-024	96	92	147	98			0
10	A1-025	118	110	153*	120			1
11	A1-026	108	105	144	134			0
12	A1-027	61	61	94	92			0
13	A1-028	95	93	99	110			0
14	A1-029	96	94	179*	180*			2
15	A1-030	100	98	97	97			0
16	A1-031	94	94	105	105			0
17	A1-032	84	82	86	101			0
18	A1-033	82	80	96	98			0
19	A1-033MS	106	104	130	129			0
20	A1-033MSD	104	102	122	122			0
21	A1-034	104	102	116	117			0
22	A1-035	106	106	120	124			0
23	A1-036	106	101	106	108			0

QC LIMITS

TCX = Tetrachloro-m-xylene (60-150)
DCB = Decachlorobiphenyl (60-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-2 SW8082

201774

2F
SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKS1	110	101	107	104			0
02	A2-001	109	104	119	118			0
03	A2-002	99	94	98	98			0
04	A2-003	99	97	107	107			0
05	A2-004	106	104	98	108			0
06	A2-005	99	94	94	88			0
07	A2-006	106	101	120	112			0
08	A2-007	104	100	112	115			0

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)
DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-2 SW8082

201775

2E
WATER PCB SURROGATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKW1	16*	16*	68	66			2
02	RB-1	95	90	63	62			0

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)
DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-1 SW8082

201776

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-004

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6091

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	250	P
11096-82-5	Aroclor-1260	89	P

FORM I PEST SW8082

201777

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-005

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6092

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	22	J
11096-82-5	Aroclor-1260	40	U

BDL

FORM I PEST SW8082

201778

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-006

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6093

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	690	
11096-82-5	Aroclor-1260	130	~~P~~ J

FORM I PEST SW8082

201779

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A2-007

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) SOIL Lab Sample ID: 6094

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	480	
11096-82-5	Aroclor-1260	120	~~P~~ J

FORM I PEST SW8082

201780

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RB-1

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix: (soil/water) WATER Lab Sample ID: 6095

Sample wt/vol: 500 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 05/05/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	2.0	U
11104-28-2	Aroclor-1221	4.0	U
11141-16-5	Aroclor-1232	2.0	U
53469-21-9	Aroclor-1242	2.0	U
12672-29-6	Aroclor-1248	2.0	U
11097-69-1	Aroclor-1254	2.0	U
11096-82-5	Aroclor-1260	2.0	U

The method BLK had surrogate < QC (only one surrogate)
However, the recoveries were within the control limits in this blank.

FORM I PEST SW8082

201781

52

3F

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.898 SAS No.: SDG No.: 6041

Matrix Spike - EPA Sample No.: A1-007B

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	167	790	820	13.8*	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	167	1100	144	165	35	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 1 outside limits
Spike Recovery: 1 out of 2 outside limits

COMMENTS: Positive values for Aroclor-1254 and Aroclor-1260 affect sample recoveries.

3F

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.900 SAS No.: SDG No.: 6068

Matrix Spike - Sample No.: A1-033

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	217	680	1000	147	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	217	980	138	6.3	35	50-150

Column to be used to flag recovery and RPD values with an asterisk:

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

3E

WATER PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix Spike - EPA Sample No.: BATCH QC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1254	10.0	0	8.0	80.0	50-150

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	10.0	7.50	75.0	6.45	25	50-150

Column to be used to flag recovery and RPD values with an asterisk.

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PEST-1 SW8082

201784

3F

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.901 SAS No.: SDG No.: 6088

Matrix Spike - EPA Sample No.: BATCH QC

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	167	220	300	47.9*	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	167	330	77.8	48.6*	35	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 1 outside limits
Spike Recovery: 1 out of 2 outside limits

COMMENTS: Positive values for Aroclor-1254 and Aroclor-1260 affect sample recoveries.

WESTON
MANAGERS DESIGNERS CONSULTANTS

END OF DATA PACKAGE

201786

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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

DATA QUALITY OBJECTIVE

DOCUMENT CONTROL NO.: START-02-F-01817
CORNELL DUBILIER ELECTRONICS
PROJECT NO.: 2523

SAMPLING DATE MAY 5,1998
SAMPLING GROUP: 6078 & 6098

REPORTED BY
ROY F. WESTON, INC.

REVIEVED BY: Zohreh Hamid, Ph.D.
Senior Chemist

6-14-98
Date

201787

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, Inc., C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

CORNELL DUBILIER ELECTRONICS
PROJECT NUMBER: 2523
DCN: START-02-F-01817
SAMPLING DATE 5-5-98

INTRODUCTION

This quality assurance review is based upon a review of all data generated from thirty-one soil samples, including two sets of field duplicates, and one reagent blank, collected on 05-05-98. The samples received on 05-06-98 by Ecology & Environment, Inc. (E & E) Laboratory, located in Lancaster, New York. The samples were grouped in two different SDG numbers by the laboratory, and analyzed according to the criteria set forth in SW846 Method 8082, for Poly Chlorinated Biphenyl (PCB) target compounds. The samples are tabulated in the following:

SDG NUMBER	SAMPLE ID
6078	A2-008 to A2-016 & A3-001 to A3-010 & A1-003A
6098	A4-001 to A4-011 & RB-2

Two sets of MS/MSD samples were analyzed on samples A2-008 & A4-001.

All data have been validated with regard to usability according to USEPA Region II Functional Guidelines and the Quality Control criteria established in the applied Method. If you have any questions or comments on this data review, please call Zohreh Hamid at (610) 269-9989.

QUALITY ASSURANCE REVIEW

The findings offered in this report are based upon a review of the following criteria:

- Holding Times
- Calibrations
- Blanks
- Surrogate Recoveries
- Standards Recovery
- Matrix Spike/Spike Duplicate/Blank Spike Analyses
- Instrument Performance
- Field Duplicate Result
- Sample Results
- Data Completeness

HOLDING TIME

All samples were extracted/analyzed within the Region II requirements.

CALIBRATIONS

A five-point calibration analysis was performed for aroclor-1016, aroclor-1254 and aroclor-1260. The percent RSDs were within the control limits of 20% at least in one column. Also, aroclor-1254 and aroclor-1660 were analyzed as continuing calibrations. The %Ds were within the control limits of less than 15% for all standards analyzed on primary and secondary columns.

The calibration blanks were not analyzed during the initial and continuing calibrations. However, the cross contamination was not expected, since "hexane" was analyzed prior to each calibration standard. The chromatogram for hexane was free of target and non-target compound peaks.

BLANK ANALYSIS

The preparation blanks and reagent blank were free of target compounds.

MATRIX SPIKE/SPIKE DUPLICATE ANALYSIS

Two sets of matrix spike/spike duplicate analyses were performed for soil samples. Also, one set of MS/MSD analyzed for water sample. The recoveries and RPDs were within the control limits of 50-150% and 50% respectively.

Blank spike/spike duplicate samples (BS/BSD) were not analyzed for these SDGs.

STANDARD RECOVERY

All external standard recoveries and retention times in the initial and continuing calibrations were within the control limits on the primary and secondary columns.

SURROGATE RECOVERIES

The surrogate recoveries for TCX and DCB were within the control limits of 50-150% range with the exception of the following DCB surrogate compound recoveries:

Sample ID	Column #1	Column #2
A1-003A	176	183
A2-014	154	
A3-009	162	154
A3-010		167
A4-007	38	42
RB-2	29	26

Also, the recoveries of TCX surrogate compound in water blank (16/16%) and A4-007 (49/48%) were below the control limits of 50% on both column. The data for the above samples were not qualified, since at least one surrogate compound met the requirements with the exception of A4-007. The recoveries for sample A4-007 were above 10%. Therefore, the data were not qualified based on this advisory limit.

DUPLICATE ANALYSIS

Two sets of field duplicate sample analyses were performed for these samples. The RPDs were listed in the following:

Sample IDs	Compound Name	Field Sample Result	Field Dup Results	RPD
A2-008/016	Aroclor-1254 Arclor-1260	500 140J	530 ND	9 NA
A4-001/010	Aroclor-1254 Aroclor-1260	270 110	270 100	0 10

NA= Not applicable, since the values were below the detection limits.

The RPDs demonstrated the acceptable reproducibility for this matrix/analysis.

SAMPLE RESULTS

The results were reported from two different columns. The %Ds for the reported results was within the validation requirement limit of 50% with the exception of the following:

Sample ID	Compound Name	%D
A1-003A	Ar-1260	81
A2-008	Ar-1260	71
A2-010	Ar-1260	96
A2-0011	Ar-1260	73
A2-013	Ar-1260	72
A2-014	Ar-1254	314
A2-016	Ar-1254	307
A3-001	Ar-1254	159
A3-002	Ar-1260	67
A3-004	Ar-1254	309
A3-006	Ar-1260	92
A3-008	Ar-1260	58
A3-009	Ar-1254	57
A3-010	Ar-1254	120
A4-004	Ar-1254 Ar-1260	308 94
A4-005	Ar-1260	125
A4-006	AR-1260	82
A4-007	Ar-1260	55
A4-009	Ar-1260	75
A4-011	Ar-1260	81

Note: The sample results were flagged "P" by the laboratory for the %Ds above 25%. However, based on the validation requirements, the results were not qualified when the %D is less than 50%.

The reported results were contractually qualified estimated.

Several samples were analyzed at higher dilutions due to the high levels of aroclor-1254. The validation review of chromatograms and the quantitation reports demonstrated that the applied dilutions are appropriate. Therefore, the data quality was considered acceptable.

The positive results for sample A3-007 were qualified estimated since, the base line in chromatogram was elevated, "possible interference".

The results below the reporting limits were qualified estimated due to the uncertainly near the detection limits.

DATA COMPLETENESS

The laboratory case narrative inadvertently stated that the matrix spike of sample A2-008 had a slightly low spike recovery at 46%. The review of the raw data demonstrated a recovery of 68%. This value was correctly reported on Form III.

SUMMARY

The cooler temperatures were within the control limits. The analysis data packages followed the CLP type data package deliverable format. The data package completeness was satisfactory. The sulfur clean up analysis performed. The results from both sets of primary and secondary analyses were listed on similar form X. The lower of two values was reported on the form I. Overall the data quality was satisfactory, and major problems were not encountered during the sample analysis. The minor issues have been discussed. The reported data were summarized on the data summary with the applied qualifier codes.

1. Appendix A- Glossary of Data Qualifier
2. Appendix B- Data Summary Forms
3. Appendix C- Laboratory Results (Form I)
4. Appendix D - Support Documentation

201793

Appendix A
Glossary of Data Qualifier

201794

WESTON

GLOSSARY OF DATA QUALIFIERS

CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

U = NOT DETECTED SUBSTANTIALLY ABOVE THE LEVEL REPORTED IN LABORATORY OR FIELD BLANKS. [Substantially is equivalent to a result less than 10 times the blank level for common contaminants (methylene chloride, acetone and 2- butanone in the VOA analyses, and common phthalates in the BNA analyses, along with tentatively identified compounds) or less than 5 times the blank level for other target compounds.]

R = UNUSABLE RESULT. THE PRESENCE OR ABSENCE OF THIS ANALYTE CANNOT BE VERIFIED. SUPPORTING DATA NECESSARY TO CONFIRM RESULT.

N = NEGATED COMPOUND. THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICCATION.

CODES RELATING TO QUATITATION

(can be used for both positive results and sample quantitation limits):

J = ANALYTE WAS POSITIVELY IDENTIFIED. REPORTED VALUE MAY NOT BE ACCURATE OR PRECISE.

UJ = ANALYTE WAS NOT DETECTED. THE REPORTED QUATITATION LIMIT IS QUALIFIED ESTIMATED.

OTHER CODES

Q = NO ANALYTICAL RESULT.

Appendix B
Data Summary Forms

201796

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6178
Units: ug/kg

Sampling Date: May 5, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A1-003A	A2 - 008	A2 - 009	A2 - 010	A2 - 011	A2 - 012	A2 - 013	A2 - 014	A2 - 015
Lab ID #		6178	6179	6180	6181	6182	6183	6184	6185	6186
Percent Moisture		23	24	24	19	17	17	19	21	23
Dilution Factor		1	4	1	1	1	1	1	20	10
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	230	500	120	230	270	60	210	990 J	1500
Aroclor-1260	33	83 J	140 J*	54	56 J	81 J	31 J*	58 J	U	750
Remark										

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A2 - 016	A3 - 001	A3 - 002	A3 - 003	A3 - 004	A3 - 005	A3 - 006	A3 - 007	A3 - 008
Lab ID #		6187	6188	6189	6190	6191	6192	6193	6194	6195
Percent Moisture		24	19	25	20	19	21	19	19	27
Dilution Factor		10	1	1	2	20	1	1	1	2
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	530 J	85 J	360	390	930 J	250	330	260 J	420
Aroclor-1260	33	U	32 J*	120 J	130	U	90	73 J	140 J	120 J
Remark			Field Duip							

* Below the detection limits

201797

Polychlorinated Biphenyl (P[illegible] Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6178
Units: ug/kg

Sampling Date: May 5, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Soil	Soil							
Client ID #		A3 - 009	A3 - 010							
Lab ID #		6196	6197							
Percent Moisture		22	19							
Dilution Factor		10	10							
PCB	MDL ug/kg									
Aroclor-1016	33	U	U							
Aroclor-1221	67	U	U							
Aroclor-1232	33	U	U							
Aroclor-1242	33	U	U							
Aroclor-1248	33	U	U							
Aroclor-1254	33	700 J	350 J*							
Aroclor-1260	33	U	U							
Remark										

* Below the detection limits

201798

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6198
Units: ug/kg

Sampling Date: May 5, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Client ID #		A4-001	A4- 002	A4 - 003	A4 - 004	A4 - 005	A4 - 006	A4 - 007	A4 - 008	A4 -009
Lab ID #		6198	6199	6200	6201	6202	6203	6204	6205	6206
Percent Moisture		20	21	20	19	22	20	22	18	22
Dilution Factor		1	1	1	10	2	2	1	1	4
PCB	MDL ug/kg									
Aroclor-1016	33	U	U	U	U	U	U	U	U	U
Aroclor-1221	67	U	U	U	U	U	U	U	U	U
Aroclor-1232	33	U	U	U	U	U	U	U	U	U
Aroclor-1242	33	U	U	U	U	U	U	U	U	U
Aroclor-1248	33	U	U	U	U	U	U	U	U	U
Aroclor-1254	33	270	300	140	1200 J	390	400	37 J*	65	900
Aroclor-1260	33	110	110	69	170 J*	98 J	110 J	17 J*	24 J*	200 J
Remark										

Matrix		Soil	Soil							
Client ID #		A4 - 010	A4 - 011							
Lab ID #		6207	6208							
Percent Moisture		26	9							
Dilution Factor		1	1							
PCB	MDL ug/kg									
Aroclor-1016	33	U	U							
Aroclor-1221	67	U	U							
Aroclor-1232	33	U	U							
Aroclor-1242	33	U	U							
Aroclor-1248	33	U	U							
Aroclor-1254	33	270	130							
Aroclor-1260	33	100	37 J							

201799

Polychlorinated Biphenyl (PCB) Analysis
Data summary

Site ID: Cornell - Dubilier Electronics
Laboratory Name: E & E INC.
Case No.: 2523
SDG No.: 6198
Units: ug/l

Sampling Date: May 5, 1998
PM: Michael Mahnkopf
DCN: START-02-F-01817

Matrix		Water								
Client ID #		RB-2								
Lab ID #		6209								
Percent Moisture										
Dilution Factor		1								
PCB	MDL ug/L									
Aroclor-1016	1.0	U								
Aroclor-1221	2.0	U								
Aroclor-1232	1.0	U								
Aroclor-1242	1.0	U								
Aroclor-1248	1.0	U								
Aroclor-1254	1.0	U								
Aroclor-1260	1.0	U								
Remark										

201800

Appendix C
Laboratory Reported Result

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A1-003A

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6178

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	230	~~P~~
11096-82-5	Aroclor-1260	83	~~P~~

FORM I PEST SW8082

201802

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-008

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6179

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	500	~~P~~
11096-82-5	Aroclor-1260	140	~~JP~~ J

BDL

FORM I PEST SW8082

201803

20

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-009

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6180

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	120	~~P~~
11096-82-5	Aroclor-1260	54	~~P~~

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-010

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6181

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	230	
11096-82-5	Aroclor-1260	56	~~P~~ J

FORM I PEST SW8082

201805

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-011

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6182

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	270	
11096-82-5	Aroclor-1260	81	~~P~~ J

FORM I PEST SW8082

201806

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-012

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6183

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 17 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	60	~~P~~
11096-82-5	Aroclor-1260	31	J*

* BDL

FORM I PEST SW8082

201807

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-013

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6184

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	41	U
11104-28-2------	Aroclor-1221	83	U
11141-16-5------	Aroclor-1232	41	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	41	U
11097-69-1------	Aroclor-1254	210	
11096-82-5------	Aroclor-1260	58	~~P~~ J

FORM I PEST SW8082

201808

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-014

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6185

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	840	U
11104-28-2	Aroclor-1221	1700	U
11141-16-5	Aroclor-1232	840	U
53469-21-9	Aroclor-1242	840	U
12672-29-6	Aroclor-1248	840	U
11097-69-1	Aroclor-1254	990	~~P~~ J
11096-82-5	Aroclor-1260	840	U

FORM I PEST SW8082

201809

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-015

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6186

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 23 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	870	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	1500	✓
11096-82-5	Aroclor-1260	753	✓

FORM I PEST SW8082

201810

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A2-016

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6187

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 24 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	430	U
11104-28-2	Aroclor-1221	880	U
11141-16-5	Aroclor-1232	430	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	430	U
11097-69-1	Aroclor-1254	530	~~P~~ J
11096-82-5	Aroclor-1260	430	U

FORM I PEST SW8082

201811

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-001

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6188

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	85	~~P~~ J
11096-82-5	Aroclor-1260	32	J

* BDL

FORM I PEST SW8082

201812

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-002

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6189

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 25 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	360	
11096-82-5	Aroclor-1260	120	~~P~~ J

FORM I PEST SW8082

201813

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-003

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6190

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	82	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	82	U
53469-21-9	Aroclor-1242	82	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	390	P
11096-82-5	Aroclor-1260	130	P

FORM I PEST SW8082

201814

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-004

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6191

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	810	U
11104-28-2	Aroclor-1221	1700	U
11141-16-5	Aroclor-1232	810	U
53469-21-9	Aroclor-1242	810	U
12672-29-6	Aroclor-1248	810	U
11097-69-1	Aroclor-1254	930	~~P~~ J
11096-82-5	Aroclor-1260	810	U

FORM I PEST SW8082

201815

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-005

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6192

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	250	
11096-82-5	Aroclor-1260	90	P

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-006

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6193

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	330	
11096-82-5	Aroclor-1260	73	~~P~~ J

FORM I PEST SW8082

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-007

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6194

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/20/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	83	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	260	J
11096-82-5	Aroclor-1260	140	J

The base line was elevated

FORM I PEST SW8082

201818

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-008

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6195

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 27 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	90	U
53469-21-9	Aroclor-1242	90	U
12672-29-6	Aroclor-1248	90	U
11097-69-1	Aroclor-1254	420	
11096-82-5	Aroclor-1260	120	~~P~~ J

FORM I PEST SW8082

201819

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-009

Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6196

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	420	U
11104-28-2	Aroclor-1221	860	U
11141-16-5	Aroclor-1232	420	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	700	~~P~~ J
11096-82-5	Aroclor-1260	420	U

FORM I PEST SW8082

201820

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A3-010

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix: (soil/water) SOIL Lab Sample ID: 6197

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/21/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	410	U
11104-28-2	Aroclor-1221	830	U
11141-16-5	Aroclor-1232	410	U
53469-21-9	Aroclor-1242	410	U
12672-29-6	Aroclor-1248	410	U
11097-69-1	Aroclor-1254	350	~~JP~~ J*
11096-82-5	Aroclor-1260	410	U

13 DL

FORM I PEST SW8082

201821

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A4-001

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6198

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	270	
11096-82-5	Aroclor-1260	110	P

FORM I PEST SW8082

201822

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-002

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6199

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 21 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	300	
11096-82-5	Aroclor-1260	110	P

FORM I PEST SW8082

201823

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-003

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6200

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	69	

FORM I PEST SW8082

201824

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-004

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6201

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 19 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/98

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	410	U
11104-28-2	Aroclor-1221	830	U
11141-16-5	Aroclor-1232	410	U
53469-21-9	Aroclor-1242	410	U
12672-29-6	Aroclor-1248	410	U
11097-69-1	Aroclor-1254	1200	~~P~~ J
11096-82-5	Aroclor-1260	170	~~JP~~ J

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FORM I PEST SW8082

201825

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-005

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6202

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	85	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	85	U
53469-21-9	Aroclor-1242	85	U
12672-29-6	Aroclor-1248	85	U
11097-69-1	Aroclor-1254	390	~~P~~
11096-82-5	Aroclor-1260	98	~~P~~ J

FORM I PEST SW8082

201826

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-006

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6203

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 20 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/98

Injection Volume: 2.00 (uL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	82	U
11104-28-2	Aroclor-1221	170	U
11141-16-5	Aroclor-1232	82	U
53469-21-9	Aroclor-1242	82	U
12672-29-6	Aroclor-1248	82	U
11097-69-1	Aroclor-1254	400	
11096-82-5	Aroclor-1260	110	~~P~~ J

FORM I PEST SW8082

201827

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-007

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6204

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	37	~~JP~~ J*
11096-82-5	Aroclor-1260	17	~~JP~~ J*

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FORM I PEST SW8082

201828

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-008

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6205

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 18 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/17/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	40	U
11104-28-2------	Aroclor-1221	82	U
11141-16-5------	Aroclor-1232	40	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	40	U
11097-69-1------	Aroclor-1254	65	~~P~~
11096-82-5------	Aroclor-1260	24	~~JP~~ J*

* BDL

FORM I PEST SW8082

201829

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-009

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6206

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 22 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/26/98

Injection Volume: 2.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	340	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	170	U
12672-29-6	Aroclor-1248	170	U
11097-69-1	Aroclor-1254	900	~~P~~
11096-82-5	Aroclor-1260	200	~~P~~ J

FORM I PEST SW8082

201830

1D

PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-010

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6207

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 26 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/17/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	270	
11096-82-5	Aroclor-1260	100	P

FORM I PEST SW8082

201831

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

A4-011

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) SOIL Lab Sample ID: 6208

Sample wt/vol: 30.0 (g/mL) G Lab File ID:

% Moisture: 9 decanted: (Y/N) N Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/17/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	130	
11096-82-5	Aroclor-1260	37	~~P~~ J

FORM I PEST SW8082

201832

1D
PCB ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RB-2

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix: (soil/water) WATER Lab Sample ID: 6209

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 05/06/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 05/11/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/15/98

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST SW8082

201833

WESTON
MANAGERS DESIGNERS CONSULTANTS

Appendix D
Support Documentation

201834

2F
SOIL PCB SURROGATE RECOVERY

Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKS1	123	114	114	109			0
02	A1-003A	106	100	176*	183*			2
03	A2-008	108	104	124	136			0
04	A2-008MS	107	100	100	113			0
05	A2-008MSD	104	103	122	129			0
06	A2-009	113	106	99	98			0
07	A2-010	102	100	115	116			0
08	A2-011	132	122	110	107			0
09	A2-012	117	110	96	98			0
10	A2-013	116	109	117	114			0
11	A2-014	113	102	154*	112			1
12	A2-015	114	105	143	140			0
13	A2-016	104	95	117	111			0
14	A3-001	119	110	104	111			0
15	A3-002	103	95	123	121			0
16	A3-003	103	101	116	109			0
17	A3-004	112	101	145	106			0
18	A3-005	119	113	108	129			0
19	A3-006	116	107	102	98			0
20	A3-007	104	92	120	98			0
21	A3-008	108	104	144	130			0
22	A3-009	126	118	162*	154*			2
23	A3-010	110	104	132	167*			1

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)
DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-2 SW8082

2F
SOIL PCB SURROGATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKS1	110	101	107	104			0
02	A4-001	113	104	104	100			0
03	A4-001MS	110	106	110	94			0
04	A4-001MSD	112	107	102	92			0
05	A4-002	112	107	133	128			0
06	A4-003	108	102	108	91			0
07	A4-004	110	106	128	112			0
08	A4-005	108	104	109	110			0
09	A4-006	106	102	94	94			0
10	A4-007	49*	48*	38*	42*			0
11	A4-008	126	118	111	109			0
12	A4-009	105	104	99	101			0
13	A4-010	109	103	109	102			0
14	A4-011	96	92	82	96			0

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)
DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-2 SW8082

201836

2E
WATER PCB SURROGATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

GC Column(1): RTX-5 ID: 0.53(mm) GC Column(2): RTX-35 ID: 0.53(mm)

	SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKW1	16*	16*	68	66			2
02	RB-2	102	96	29*	26*			2
03	RB-2MS	96	92	43	41			0
04	RB-2MSD	86	82	43	41			0

QC LIMITS

TCX = Tetrachloro-m-xylene (50-150)
DCB = Decachlorobiphenyl (50-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II PEST-1 SW8082

3F

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.915 SAS No.: SDG No.: 6178

Matrix Spike - Sample No.: A2-008

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	220	500	650	68	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	220	670	77	12	35	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

3F

SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix Spike - Sample No.: A4-001

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1254	208	270	380	52.8	50-150

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	208	410	67.3	24.1	35	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PEST-2 SW8082

201839

3E

WATER PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: E & E INC. Contract:

Lab Code: EANDE Case No.: 9800.916 SAS No.: SDG No.: 6198

Matrix Spike - Sample No.: RB-2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1254	10.0	0.0	8.0	80	50-150

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1254	10.0	7.5	75	6.5	2	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PEST-1 SW8082

END OF DATA PACKAGE

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