210677

SAMPLE TRIP REPORT

SITE NAME: Cornell Dubilier Electronics Site

PROJECT No.: 8003-454

CERCLIS ID No.: NJD981557879

SAMPLING DATE: February 29, 1996

EPA CASE No.: 24439

1. Site Location: Hamilton Boulevard, South Plainfield, New Jersey - Refer to Figure 1

2. Sample Locations: Refer to Figures 2 & 3

3. Sample Descriptions: Refer to Table 1

4. Laboratories Receiving Samples:

Sample Type	Name and Address of Laboratory
Full TCL Organics	CEIMIC Corporation 10 Dean Knauss Drive Narragansett, RI 02882
TAL Inorganics (except CN)	Chemtech Consulting Group 110 Route 4 Englewood, NJ 07631

5. Sample Dispatch Data:

A total of nine (9) soil/sediment samples and two (2) field rinsate samples were shipped on February 29, 1996 by MPI personnel, via Federal Express, in two (2) coolers, under Airbill No. 3829215460 to CEIMIC Corporation for Full TCL Organics analyses. A total of nine (9) soil/sediment samples and two (2) field rinsate samples were shipped on February 29, 1996 by MPI personnel, via Federal Express, in two (2) coolers, under Airbill No. 3829215456 to IT Chemtech Consulting Group for TAL Inorganics (excluding CN) analyses.

6. Sampling Personnel:

Name	Organization	Duties on Site
Andrew Clibanoff	Malcolm Pirnie, Inc.	Site Manager (SM)
David Kahlenberg	Malcolm Pirnie, Inc.	Site Health & Safety Officer (SHSO)
Valerie Smith	Malcolm Pirnie, Inc.	Sample Management Officer (SMO)
Warren Parry	Malcolm Pirnie, Inc.	Sampler
Todd Teryek	Malcolm Pirnie, Inc.	Sampler

7. Weather Conditions:

02/29/96 Sunny; temperature, 30° F

8. Additional Comments:

All samples will be analyzed for Target Compound List (TCL) organic and Target Analyte List (TAL) inorganic compounds, excluding cyanide.

RIN1 was a rinsate sample collected from a scoopula and bowl. RIN2 was a rinsate sample collected from a trowel. These rinsates are associated with all of the soil/sediment samples collected on February 29, 1996.

9. Report Prepared By: Andrew Clibanoff Date: March 1, 1996

10. QA/QC Approved By: Valerie Smith Date: March 4, 1996

TABLE 1
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
S1	BQY87	MBNX09	1229	Soil	Background surface soil sample collected 104 feet from the utility pole located in front of the residence at 214 Spicer Road at a bearing of N06°E from the pole. Sample depth: 0-6 inches.
S2[1]	BQY88	MBNX10	1241	Soil	Background surface soil sample collected 84 feet from the utility pole located just west of the residence at 336 Spicer Road at a bearing of N33°E from the pole. Sample depth: 0-6 inches.
S3	BQY89	MBNX11	1147	Soil	Surface soil sample collected within the fenced-in area on the back lot of the property. Sample was collected 237 feet from eastern gate post at a bearing of S07°E from the post. Sample depth: 0-6 inches.
S4	BQY90	MBNX12	1210	Soil	Surface soil sample collected northeast of the former tank disposal area. The sample location is 33 feet from a boulder at a bearing of S63°W from the boulder. The bearing from the water tower to the sample location is S33°E. Sample depth: 0-6 inches.
S5[2]	BQY91	MBNX13	1210	Soil	Duplicate surface soil sample collected at same location as sample S4.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

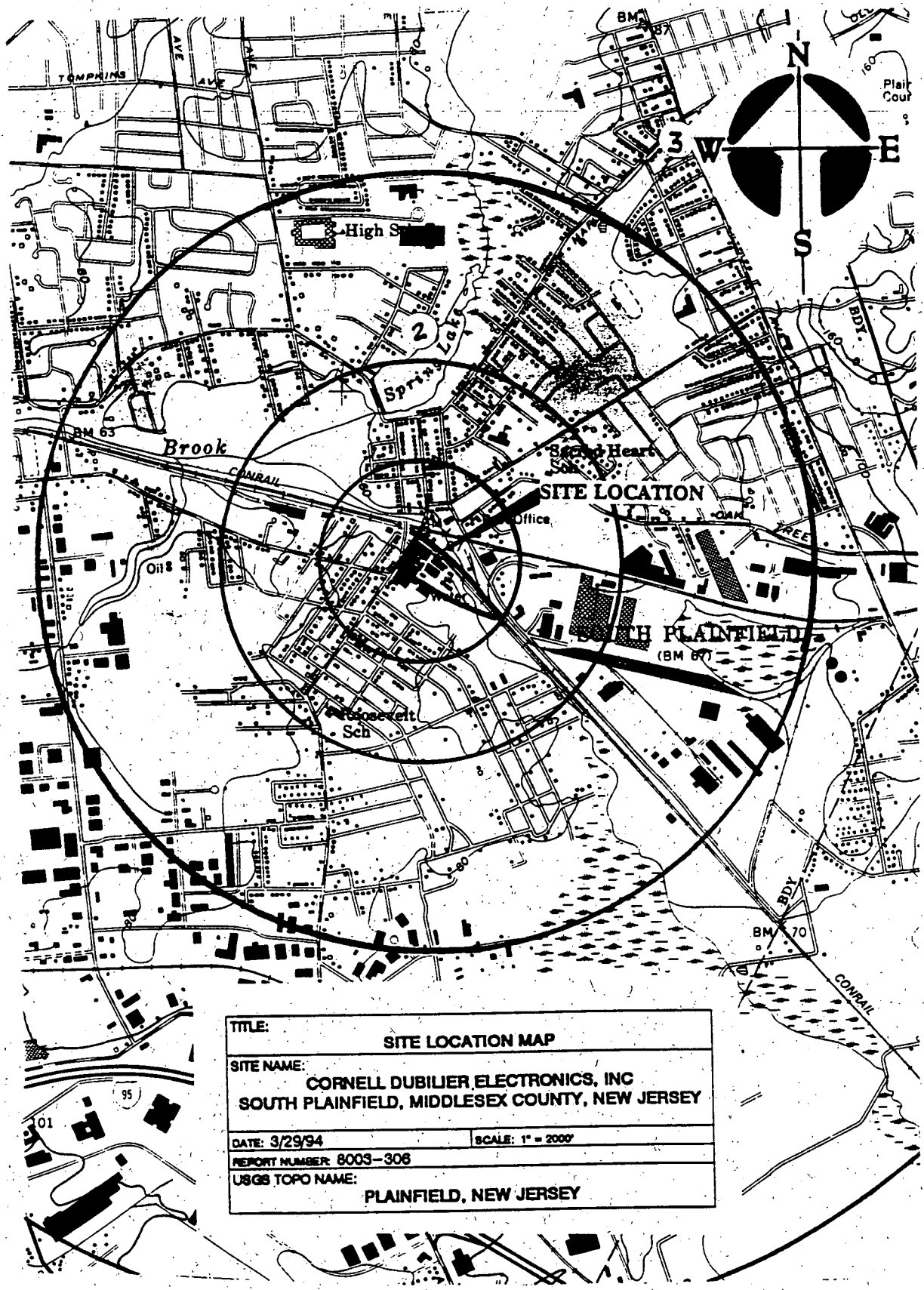
(2) Sample location designated for the collection of field duplicate sample.

TABLE 1 (Continued)
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
SED1	BQY92	MBNX14	1101	Sediment	Background sediment sample collected from the west bank of the unnamed tributary to Bound Brook 25 feet downstream of the Belmont Avenue Bridge. Sample depth: 0-6 inches.
SED2	BQY93	MBNX15	1033	Sediment	Background sediment sample collected from the west bank of the unnamed tributary to Bound Brook 45 feet downstream of the confluence with the unnamed stream from Spicer Avenue. Sample depth: 0-6 inches.
SED3	BQY94	MBNX16	1013	Sediment	Sediment sample collected from the west bank of the unnamed tributary to Bound Brook just upstream of the concrete culvert. Sample depth: 0-6 inches.
SED4	BQY95	MBNX17	0955	Sediment	Sediment sample collected from west bank of the unnamed tributary to Bound Brook just downstream of the confluence with the Industrial Park outfall. Sample depth: 0-6 inches.
RIN1	BQY96	MBNX18	0935	Aqueous	Rinsate sample collected from bowl and scoopula. See Statement 8, Additional Comments.
RIN2	BQY97	MBNX19	0945	Aqueous	Rinsate sample collected from trowel. See Statement 8, Additional Comments.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.



TITLE: SITE LOCATION MAP	
SITE NAME: CORNELL DUBILIER ELECTRONICS, INC SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY	
DATE: 3/29/94	SCALE: 1" = 2000'
REPORT NUMBER: 8003-306	
USGS TOPO NAME: PLAINFIELD, NEW JERSEY	

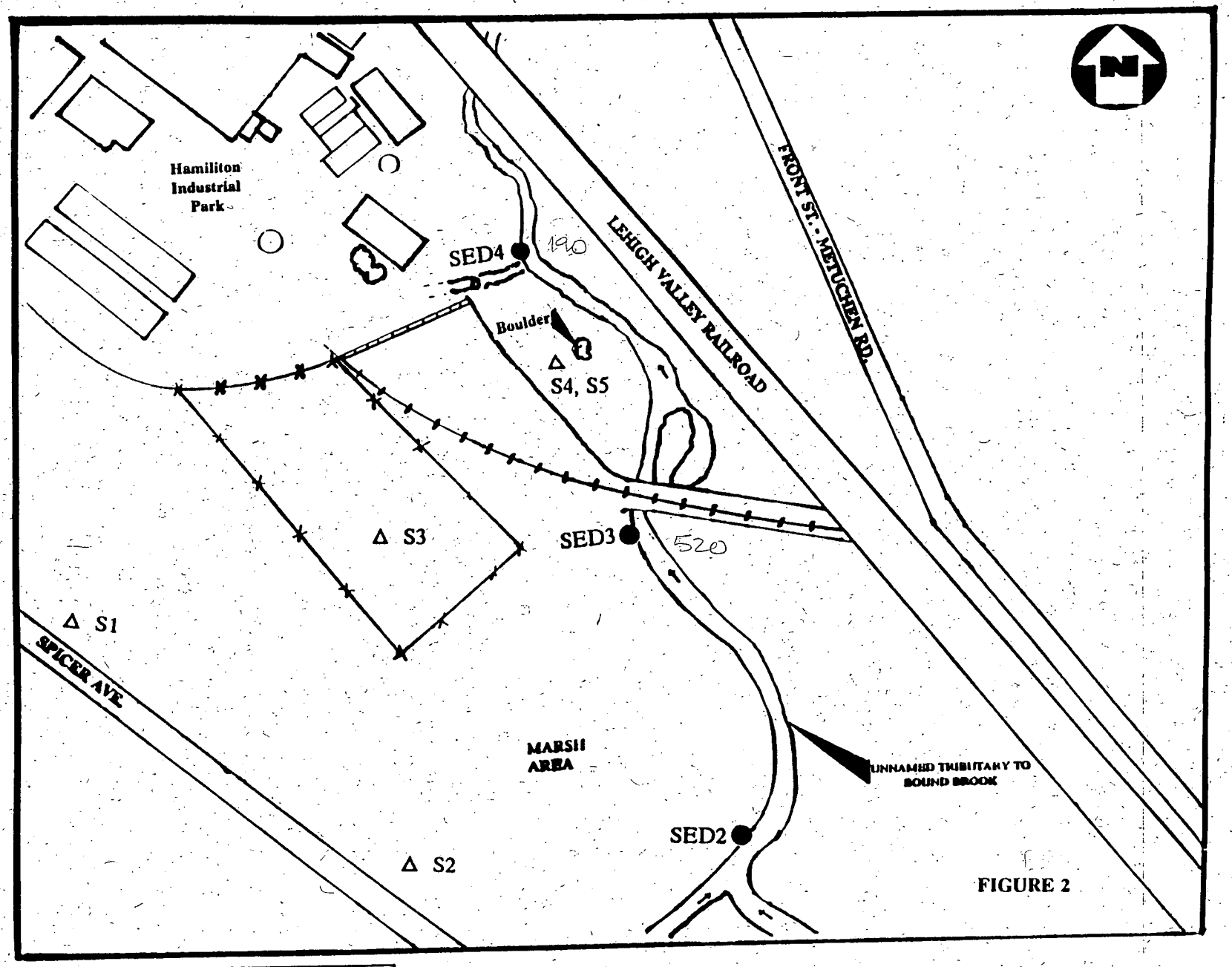


FIGURE 2

MAP KEY

SOIL SAMPLE △

SEDIMENT SAMPLE ●

CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
SAMPLE LOCATION MAP
NOT TO SCALE

CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
OFF-SITE SAMPLE LOCATION MAP
SCALE: 1" = 2,000 FT.

FIGURE 3

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable): —

Case No.: 24439

1. Project Code: 8003454
Account Code: —
2. Region No.: 2
Sampling Co.: MPI
4. Date Shipped: 7/29/96
Carrier: Fed-Ex

Regional Information: —
Sampler (Name): V. Smith
Airbill Number: 3829215456

Non-Superfund Program: —
Sampler Signature: [signature]
5. Ship To: Chemtech Consulting
ATTN: Divya Mehta

Site Name: Cornell Dubilier
City, State: Shanford, NJ
Site Spill ID: —

3. Type of Activity: Lead: SF, PRP, ST, FED; Pre-Remedial: PA, SSI, LSI; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (Specify) N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MBNX09	5	L	G	6	X							06442	S1	7/29/96 1229	VS	BQV87	
10					X							06446	S2	1241	VS	88	S
11					X							06450	S3	1147	VS	89	
12					X							06454	S4	1210	VS	90	
13					X							06458	S5	1210	VS	91	
14					X							06462	SED1	1101	VS	92	
15					X							06466	SED2	1033	VS	93	
16					X							06470	SED3	1113	VS	94	
17					X							06474	SED4	0955	VS	95	

Shipment for Case complete? (Y/N): Yes
Page 1 of 2
Sample used for a spike and/or duplicate: MBNX10
Additional Sampler Signatures:
Chain of Custody Seal Number:

*Note: Bottles were taped due to a limited supply of custody seals.

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
VS	7/31/96 5pm	Fed Ex			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples ☐ Accepted (Signature)

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 24439

1. Project Code: 8003454
Account Code: —
2. Region No.: 2
Sampling Co.: MPI
4. Date Shipped: 9/27/96
Carrier: FedEx

Regional Information: —
Sampler (Name): V. Smith
Airbill Number: 3829215456

Non-Superfund Program: —
Sampler Signature:
5. Ship To: Chemtech Consulting
ATTN: Divya Mehta

Site Name: Cornell Dubilier
City, State: S. Plainfield NJ
Site Spill ID: —

3. Type of Activity: Lead: SF, PRP, ST, FED; Pre-Remedial: PA, SSI (X), LSI; Remedial: RIFS, RD, RA, O&M, NPLD; Removal: CLEM, REMA, REM, OIL, UST

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (Specify) N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify) FH B/K

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./ Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank S = Spike D = Duplicate PE = Perform. Eval. — = Not a QC Sample)
MBNX18	8	L	G	6	X							06433	RIN1	9/24/96 935	B	BN96	B
MBNX19	8	L	G	6	X							06438	RIN2	9/27/96 945	B	1 97	B

Shipment for Case complete? (Y/N): Yes
Page 1 of 2
Sample used for a spike and/or duplicate:
Additional Sampler Signatures:
Chain of Custody Seal Number:

** Note: Bottles were taped due to a limited supply of Custody seals

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	9/27/96 5pm	FedEx			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION: Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

338673

EPA United States Environmental Protection Agency
Contract Laboratory Program

Organic Traffic Report & Chain of Custody Record
(For Organic CLP Analysis)

Case No. 24439

1. Project Code	Account Code	2. Region No.	Sampling Co.	4. Date Shipped	Carrier
8003454	—	2	MPI	9/29/96	Fed Ex

Regional Information: —

Sampler (Name): V. Smith

Airbill Number: 3829215460

Non-Superfund Program: —

Sampler Signature: [signature]

5. Ship To: CEIMIC

ATTN: Sample Custodian

Site Name: Cornell Dubilier

City, State: NJ

Site Spill ID: —

3. Purpose*

Lead: ☐ SF ☐ PRP ☐ ST ☐ FED

Early Action: ☐ CLEM ☐ PA ☐ REM ☐ RI ☒ SI ☐ ESI

Long-Term Action: ☐ FS ☐ RD ☐ RA ☐ O&M ☐ NPLD

6. Matrix (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Field QC
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify in Column A)

7. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Ice only
6. Other (Specify in Column D)
N. Not preserved

CLP Sample Numbers (from labels)	A Matrix (from Box 6) Other:	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative (from Box 7) Other:	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Identifier	H Mo/Day/Year/Time Sample Collection	I Corresponding CLP Inorganic Sample No.	J Sampler Initials	K Field QC Qualifier (B = Blank S = Spike D = Duplicate R = Rinsate PE = Perform. Eval. — = Not a QC Sample)
BQY87	5	L	G	5	X	X	X		06439-41	S1	9/29/96 1221	MBNX09	[illegible]	
88									06443-5	S2	1241	10	[illegible]	S
89									06447-9	S3	1147	11	[illegible]	
90									06451-3	S4	1210	12	[illegible]	
91									06455-7	S5	1210	13	[illegible]	
92									06459-61	SED1	1121	14	[illegible]	
93									06463-5	SED2	1030	15	[illegible]	
94									06467-9	SED3	1013	16	[illegible]	
95									06471-3	SED4	0955	17	[illegible]	

Shipment for Case Complete? (Y/N): Yes

Page 2 of 2

Sample(s) to be Used for Laboratory QC: BQY88

Additional Sampler Signatures:

Chain of Custody Seal Number(s):

*Note: Bottles were taped due to a limited supply of custody seals.

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	9/29/96 1:45pm	FedEx			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks Is custody seal intact? Y/N/none	

A21-012-15 REV.

DISTRIBUTION: Blue - Region Copy; White - Lab Copy for Return to Region; Pink - CLASS Copy; Yellow - Lab Copy for Return to CLASS

EPA Form 9110-2

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS
*SEE REVERSE FOR PURPOSE CODE DEFINITIONS

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-454
SAMPLING DATE: 2/29/96
EPA CASE NO.: 24439
LAB NAME: CHEMTECH

INORGANICS											
Sample ID No.	S1	S2	S3	S4	S5	SED1	SED2	SED3	SED4	RIN1	RIN2
Traffic Report No.	MBNX09	MBNX10	MBNX11	MBNX12	MBNX13	MBNX14	MBNX15	MBNX16	MBNX17	MBNX18	MBNX19
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L
Percent Solids	66.7	74.3	87.1	43.5	42.7	74.3	52.7	56.7	55.7	--	--
Aluminum	10100	9010	10700	30900 E	26400 E	11800	17300	12300	10100	13.1 J	9.6 J
Antimony	2.1 J	2.2 J	1.3 J	3.5 J	3 J	1.3 J	2.1 J	2.2 J	2.6 J		
Arsenic	5.6 E	6.6 E	4.5 E	31.2 E	29.8 E	6.3 E	11.8 E	8.5 E	16.4 E		
Barium	120	315	132	325 E	312 E	212	342	434	332		
Beryllium	0.49 J	0.52 J	0.53 J	5.9 E	5.6 E	0.96 J	1.4 J	0.77 J	0.84 J		
Cadmium	2.4	0.47 J	1.4	29.5 E	30 E	7.3	19.4	18.2	12.7		
Calcium	3670	2100	32800	8190 E	7290 E	3850	6280	5160	5270	69.4 J	74.5 J
Chromium	21.9	21	23.2	77.8 E	70.7 E	26.9	45.1	38.2	66		
Cobalt	5.7 J	5 J	9.2 J	41.4 E	44 E	22.7	16.3 J	10.5 J	11.8 J		
Copper	60.4	99.1	73.1	268 E	254 E	34.7	117	224	198		
Iron	15900	43100	21600	56000 E	51600 E	21400	29500	25900	31700	97.1 J	31.4 J
Lead	833	384	137	413 E	351 E	93.8	256	410	283		
Magnesium	2650	2320	13300	5300 E	4440 E	7490	5340	3810	4000		
Manganese	308	509	484	2040 E	1880 E	6620	1090	330	766		
Mercury	0.61	0.41		0.39 E	0.4 E		0.27	0.25	0.19		
Nickel	18.7	18.6	24.7	93 E	87 E	39.5	47.4	57.1	38		
Potassium	804 J	655 J	1270	1470 J	994 J	1940	1230 J	899 J	807 J		
Selenium				3.1 E							
Silver	5	2.2 J	1 J	10 E	8.4 E	1.1 J	3.9	6	3.8		
Sodium	184 J	115 J	251 J	380 J	448 J	373 J	525 J	345 J	445 J	194 J	342 J
Thallium			2.2 J								
Vanadium	45	30	53.4	97.1 E	88.4 E	24.8	48.8	36.8	80		
Zinc	164	445	121	589 E	524 E	1180	433	541	427	24.4 E	35.7

NOTES:
Blank Space - compound analyzed for but not detected
E - estimated value
J - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
NR - analysis not required

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-454
SAMPLING DATE: 2/29/96
EPA CASE NO.: 24439 LAB: CEIMIC

VOLATILES											
Sample ID No.	S1	S2	S3	S4	S5	SED1	SED2	SED3	SED4	RIN1	RIN2
Traffic Report No.	BQY87	BQY88	BQY89	BQY90	BQY91	BQY92	BQY93	BQY94	BQY95	BQY96	BQY97
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1
Percent Moisture	38	28	11	55	55	35	55	57	56	--	--
Chloromethane											
Bromomethane											
Vinyl Chloride											
Chloroethane											
Methylene Chloride											
Acetone	70 E										
Carbon Disulfide											
1,1-Dichloroethene											
1,1-Dichloroethane											
1,2-Dichloroethene (total)				100 E	370 E			130 E	14 J		
Chloroform		2 J									
1,2-Dichloroethane											
2-Butanone									3 J		
1,1,1-Trichloroethane											
Carbon Tetrachloride											
Bromodichloromethane											
1,2-Dichloropropane											
cis-1,3-Dichloropropene											
Trichloroethene				55 E	190 E			410 E	20 J		
Dibromochloromethane											
1,1,2-Trichloroethane											
Benzene											
trans-1,3-Dichloropropene											
Bromoform											
4-Methyl-2-Pentanone	R	R									
2-Hexanone	R	R									
Tetrachloroethene	R	R						19 J			
1,1,2,2-Tetrachloroethane	R	R									
Toluene	R	R	10 J					2 J	8 J		
Chlorobenzene	R	R									
Ethylbenzene	R	R									
Styrene	R	R									
Xylenes (Total)	R	R									

NOTES:
Blank Space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-454
SAMPLING DATE: 2/29/96
EPA CASE NO.: 24439 LAB: CEIMIC

SEMI-VOLATILES											
Sample ID No.	S1	S2	S3	S4	S5	SED1	SED2	SED3	SED4	RIN1	RIN2
Traffic Report No.	BQY87	BQY88	BQY89	BQY90	BQY91	BQY92	BQY93	BQY94	BQY95	BQY96	BQY97
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	20	1	1	5	5	2	2	1 (MED)	1 (MED)	1	1
Percent Moisture	32	29	13 (MED)	56	57	26	47	44	44	--	--
Phenol											
bis(2-Chloroethyl)ether											
2-Chlorophenol											
1,3-Dichlorobenzene											
1,4-Dichlorobenzene											
1,2-Dichlorobenzene											
2-Methylphenol											
2,2'-oxybis(1-Chloropropane)											
4-Methylphenol											
N-Nitroso-di-n-dipropylamine											
Hexachloroethane											
Nitrobenzene											
Isophorone											
2-Nitrophenol											
2,4-Dimethylphenol											
bis(2-Chloroethoxy)methane											
2,4-Dichlorophenol											
1,2,4-Trichlorobenzene											
Naphthalene		66 J		420 J	410 J						
4-Chloroaniline											
Hexachlorobutadiene											
4-Chloro-3-Methylphenol											
2-Methylnaphthalene		68 J		600 J	570 J						
Hexachlorocyclopentadiene											
2,4,6-Trichlorophenol											
2,4,5-Trichlorophenol											
2-Chloronaphthalene											
2-Nitroaniline											
Dimethylphthalate											
Acenaphthylene											
2,6-Dinitrotoluene											
3-Nitroaniline											
Acenaphthene											
2,4-Dinitrophenol											
4-Nitrophenol											
Dibenzofuran											
2,4-Dinitrotoluene											
Diethylphthalate											
4-Chlorophenyl-phenyl ether											
Fluorene											
4-Nitroaniline											
4,6-Dinitro-2-methylphenol											
N-nitrosodiphenylamine											
4-Bromophenyl-phenyl ether											
Hexachlorobenzene											
Pentachlorophenol											
Phenanthrene		310 J	1800 J	1100 J	1000 J	210 J	440 J		9700 J		
Anthracene		71 J							2400 J		

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-454
SAMPLING DATE: 2/29/96
EPA CASE NO. 24439 LAB: CEIMIC

SEMI-VOLATILES											
Sample ID No.	S1	S2	S3	S4	S5	SED1	SED2	SED3	SED4	RIN1	RIN2
Traffic Report No.	BQY87	BQY88	BQY89	BQY90	BQY91	BQY92	BQY93	BQY94	BQY95	BQY96	BQY97
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	20	1	1	5	5	2	2	1 (MED)	1 (MED)	1	1
Percent Moisture	32	29	13 (MED)	56	57	26	47	44	44	--	--
Carbazole											
Di-n-butylphthalate		140 J		1100 J	1100 J	110 J	290 J				
Fluoranthene	1700 J	500	3000 J	1900 J	1900 J	420 J	1100 J	1900 J	19000		
Pyrene	1300 J	520 E	3100 J	1900 J	1800 J	350 J	1000 J	2600 J	15000 J		
Butylbenzylphthalate		210 J		12000 E	11000 E	2100 E	4700 E	2500 J	2500 J		
3,3'-Dichlorobenzidine											
Benzo(a)anthracene	980 J	300 J	1800 J	1000 J	910 J	180 J	470 J		12000 J		
Chrysene	1300 J	260 J	2100 J	1300 J	1100 J	200 J	590 J		10000 J		
bis(2-Ethylhexyl)phthalate		990 E		28000 E	26000 E	6600 E	20000		42000	1 J	45 E
Di-n-octylphthalate		140 J		1100 J	1100 J	2900 E	4700 E	1800 J	3100 J		
Benzo(b)fluoranthene	1100 J	350 J	3500 J	2000 J	1800 J	310 J	1000 J	1900 J	15000 J		
Benzo(k)fluoranthene		170 J	1200 J	500 J	520 J	120 J	230 J		8300 J		
Benzo(a)pyrene	1200 J	280 J	2700 J	1200 J	1200 J	200 J	550 J		14000 J		
Indeno(1,2,3-cd)pyrene		160 J	1600 J	740 J	580 J	110 J	310 J				
Dibenz(a,h)anthracene									4200 J		
Benzo(g,h,i)perylene		210 J	1900 J	850 J	580 J	120 J	350 J		2300 J		

NOTES:
Blank Space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-454
SAMPLING DATE: 2/29/96
EPA CASE NO.: 24439 LAB: CEIMIC

PESTICIDES/PCBs											
Sample ID No.	S1	S2	S3	S4	S5	SED1	SED2	SED3	SED4	RIN1	RIN2
Traffic Report No.	BQY87	BQY88	BQY89	BQY90	BQY91	BQY92	BQY93	BQY94	BQY95	BQY96	BQY97
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	5	5	100	10	10	2	1	100	100	1	1
Percent Moisture	11	29	13	56	57	26	46	44	44	--	--
alpha-BHC											
beta-BHC											
delta-BHC											
gamma-BHC (Lindane)											
Heptachlor											
Aldrin											
Heptachlor epoxide			R	R	R	R		R	R		
Endosulfan I											
Dieldrin	80 E		3700 EN	860 EN	1100 EN	18 E	R	26000 E	8700 EN		
4,4'-DDE											
Endrin											
Endosulfan II											
4,4'-DDD	R			R	R	R	R	R			
Endosulfan sulfate							R				
4,4'-DDT	R			R	R	R	R				
Methoxychlor											
Endrin ketone											
Endrin aldehyde					73 J						
alpha-Chlordane	28		1400	490 E	870 E	46	34 EN	13000	3700 E		
gamma-Chlordane				R	R	41	R				
Toxaphene											
Aroclor-1016											
Aroclor-1221											
Aroclor-1232											
Aroclor-1242						70 J			120000		
Aroclor-1248											
Aroclor-1254	1500	880	77000	23000 E	36000 E	560	410	520000	190000		
Aroclor-1260											

NOTES:
Blank Space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

START-02-F-00541

SAMPLING TRIP REPORT

SITE NAME: Cornell-Dubilier Electronics

EPA I.D. NO.: GZ

SAMPLING DATES: 27 & 29 June 1996

1. Site Location: Refer to Figure 1

2. Sample Locations: Refer to Figure 2

3. Sample Descriptions: Refer to Tables 1 and 2

4. Laboratory Receiving Samples:

Sample Type	Name and Address of Laboratory
Soil/Aqueous - TCL PCBs and Total Metals for Ag, Cr, Cd, Hg, and Pb	ICM Laboratory 1052 Route 10 Randolph, NJ 07869
Sediment - Total Organic Carbon (TOC)	ICM Laboratory 1052 Route 10 Randolph, NJ 07869
Grain Size Distribution	Tectonic Engineering Consultants P.C. P.O. Box 447, 600 Route 32 Highland Mills, NY 10930

5. Sample Dispatch Data:

The following samples were hand-delivered by Region II START personnel to ICM Laboratory on 28 June 1996 at approximately 1050 hours: 26 soil samples and one aqueous sample for TCL PCB and Total Metals (Ag, Cr, Cd, Hg, and Pb) analyses, and one sediment sample for TOC and grain size distribution analyses.

The following samples were hand-delivered by Region II START personnel to ICM Laboratory on 1 July 1996 at approximately 1000 hours: 22 soil samples and one aqueous sample for TCL PCB and Total Metals (Ag, Cr, Cd, Hg, and Pb) analyses.

6. On-Site Personnel:

Name	Company	Duties on Site
Nick Magriples	Region II EPA	On-Scene Coordinator
Christoph Stannik	Region II START	Task Manager/Documentation/Sampler
Jennifer Leahy*	Region II START	QC Coordinator/Documentation
Kevin McGarry	Region II START	Sampler
Swamy Ketha	Region II START	Sampler/Equipment Decontamination
Diane Delap	Region II START	Sampler/Equipment Decontamination
Patrick Austin	Region II START	Sampler/Equipment Decontamination

* START Leahy was not on site for second sampling date (29 June 1996).

7. Weather Conditions:

27 June - clear skies/sun, temperatures in 80F° range, winds estimated to be 10 to 15 mph.
29 June - sunny, approximately 78°F, winds 0 to 5 mph E to SE.

8. Additional Comments:

A total of 48 soil samples, including four field duplicate samples, were collected for TCL PCBs, and Total Metals for Ag, Cr, Cd, Hg, and Pb analyses. One sediment sample was collected for TOC and grain size distribution analyses. In addition, two rinsate blanks and four matrix spike/matrix spike duplicate (MS/MSD) samples were collected and delivered to the laboratory to meet QA/QC requirements for a QA-2 data quality objective level.

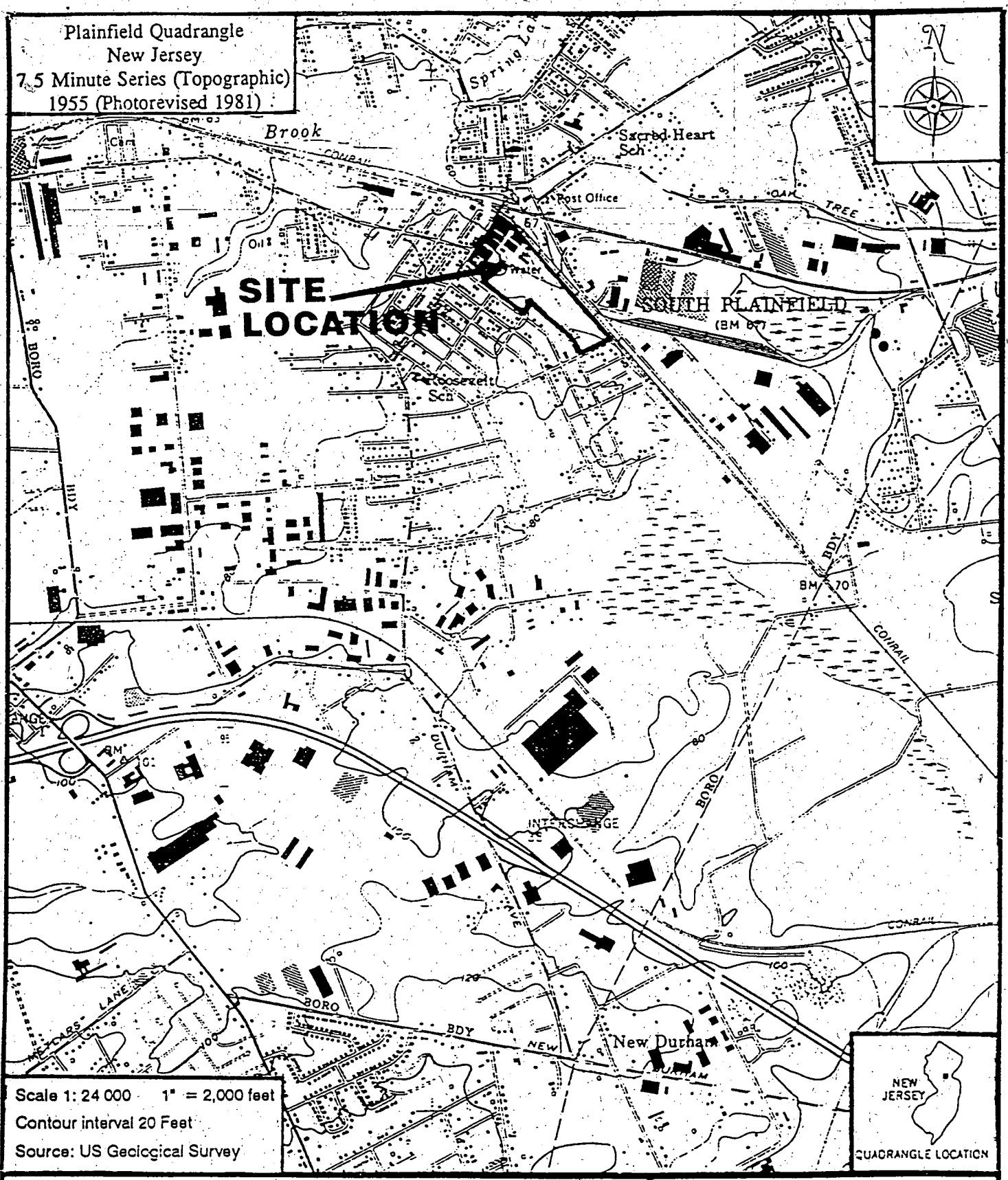
START collected Subsurface Soil Sample Nos. CDE-SS1 and CDE-SS2 at a depth of 3 to 6 inches below ground surface. The proposed sample depth range of 3 to 12 inches could not be achieved due to the presence of a concrete layer at 6 inches below ground surface. Due to the dark appearance of the subsurface soils at Sample Location No. CDE-SS12, a Chlor-n-Soil PCB screening test (detection limit - 50 ppm) was performed on soil obtained from the auger boring. The results of the screening test indicated the presence of PCBs at approximately 50 ppm. The soil samples collected on Saturday, 29 June 1996, were monitored by START for storage cooler temperature until delivery to the laboratory on Monday, 1 July 1996. The rinsate blanks were prepared using demonstrated analyte-free deionized water. Upon direction of the OSC, four proposed storm drain sediment samples were not collected.

The analytical request submitted for the current phase of sampling includes both the samples collected on 27 and 29 June 1996 and the test pit excavation samples scheduled to be collected on 16 July 1996. A separate Sampling Trip Report will follow to address the test pit sampling event.

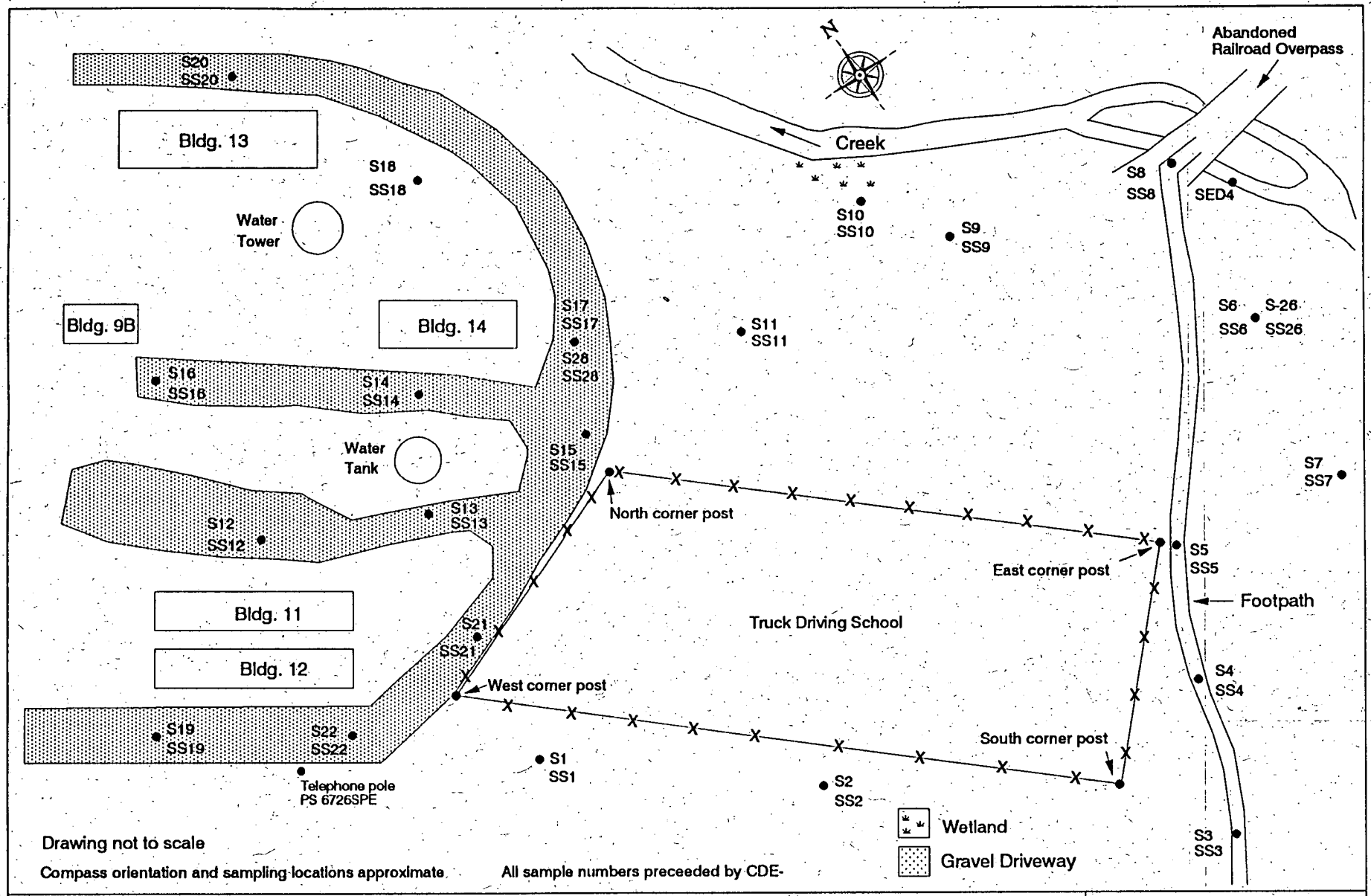
9. Report ~~Prepared~~ REVISED by: Christoph Stannik Date: 9/16/96

10. Report Reviewed by: [signature] Date: 9/16/96

11. Report Approved by: _____ Date: _____



WESTON Roy F. Weston, Inc. FEDERAL PROGRAMS DIVISION	EPA PM N. Magriples	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 K. Campbell	Figure 1: Site Location Map



WESTON	Roy F. Weston, Inc. FEDERAL PROGRAMS DIVISION	EPA PM N. Magriples	Cornell-Dubilier Electronics South 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 K. Campbell	Figure 2: Sample Location Map

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S1[a]	0950	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	125 ft. southeast of west corner post of driving school fence, then 40 ft. southwest.
CDE-SS1[a]	1000	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-6[b]	Same location as Sample No. CDE-S1.
CDE-S2	1010	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	280 ft. southeast of west corner post of driving school fence, then 25 ft. southwest.
CDE-SS2	1020	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-6[b]	Same location as Sample No. CDE-S2.
CDE-S3	1030	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	30 ft. southwest of south corner post of driving school fence, then 94 ft. southeast.
CDE-SS3	1040	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S3.
CDE-S4	1045	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	103 ft. northeast of south corner post of driving school fence, then 23 ft. southeast.
CDE-SS4	1055	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S4.
CDE-S5	1335	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	7 ft. southeast of east corner post of driving school fence.
CDE-SS5	1340	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S5.

[a] MS/MSD sample - indicates additional sample volume was submitted to the laboratory for Matrix Spike/Matrix Duplicate (MS/MSD) analysis.
[b] Concrete layer at 6 inches below ground surface.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S6	1350	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	87 ft. northeast of east corner post of driving school fence, then 28 ft. southeast.
CDE-SS6	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S6.
CDE-S7	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	35 ft. northeast from east corner post of driving school fence, then 137 ft. southeast.
CDE-SS7	1425	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S7.
CDE-S8	1525	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	138 ft. northeast from east corner post of driving school fence, then 25 ft. southeast; 3 ft. from inactive rail line in middle of footpath and 8 ft., 7 inches from old gate post at the RR overpass.
CDE-SS8	1530	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S8.
CDE-S9	1535	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	139 ft. northeast from east corner post of driving school fence, then 154 ft. northwest.
CDE-SS9	1540	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S9.
CDE-S10	1545	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	202 ft. northwest, along fence line, from east corner post of driving school fence, then 193 ft. northeast.
CDE-SS10	1550	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample NO. CDE-S10.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S11	1600	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	234.6 ft. northwest, along fence line, from east corner post of driving school fence, then 91.4 ft. northeast.
CDE-SS11	1610	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S11.
CDE-S12	1700	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	83 ft. northwest and 50 ft., 6 inches east from east corner of Building No. 11 in the gravel driveway.
CDE-SS12	1710	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15	Same location as Sample No. CDE-S12.
CDE-S26[c]	1350	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	Same location as Sample No. CDE-S6.
CDE-SS26[c]	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-SS6.
CDE-RIN1	1145	Aqueous	Composite	TCL PCBs, Ag, Cr, Cd, Hg, Pb	N/A	Composite trowel, bowl, and auger rinsate collected in the field.
CDE-SED4	1520	Sediment	Grab	TOC; grain size distribution	0-2	7 ft. from south side of drainage pipe which carries creek water flow under the abandoned railroad overpass.

[c] Duplicate sample - indicates that the sample was collected as an environmental field duplicate.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S13	0835	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	66 ft. northeast from the northeast corner of Building No. 11, then 50 ft. to southeast; on driveway south of water tank.
CDE-SS13	0915	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-11	Similar location as Sample No. CDE-S13, except 2 ft. closer to water tank at edge of driveway.
CDE-S14	0835	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-2	35 ft. southwest of southwest corner of Building No. 14, then 46 ft. east; northeast of water tank.
CDE-SS14	0855	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15	Same location as Sample Location No. CDE-S14.
CDE-S15*	0935	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	21 ft., 4 in. northeast from north corner post of truck driving school (measured along wooden fence that extends northeast of post), then 13 ft., 6 in. northwest onto gravel driveway.
CDE-SS15*	1000	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15	Same location as Sample No. CDE-S15.
CDE-S16	0855	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	19 ft. southeast of southwest corner of Building No. 9B, then 14 ft., 6 in. southwest onto gravel driveway.
CDE-SS16	0915	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6-15	Same location as Sample No. CDE-S16.
CDE-S17	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	52 ft. southeast of southwest corner of Building No. 14 (parallel to west side of building), then 6 ft. northeast.
CDE-SS17	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16	Same location as Sample No. CDE-S17.

* MS/MSD sample - indicates additional sample volume was submitted to the laboratory for matrix spike/matrix spike duplicate (MS/MSD) analysis.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S18	1355	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	81 ft. southeast of the southwest corner of Building No. 13 (parallel to southwest side of building), then 10 ft. southwest.
CDE-SS18	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-13	Same location as Sample No. CDE-S18.
CDE-S19	1145	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	66 ft. northwest of Utility Pole No. PS6726SPE and 49 ft from southeast corner of concrete loading dock at northwest end of Building No. 12.
CDE-SS19	1210	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-13	Same location as Sample No. CDE-S19.
CDE-S20	1445	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	19 ft. northeast of northeast corner of Building No. 13 onto gravel driveway, then 41 feet northwest.
CDE-SS20	1500	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16	Same location as Sample No. CDE-S20.
CDE-S21	1035	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	68 ft. northeast of west corner post of driving school fence, then 25 ft. north onto gravel driveway.
CDE-SS21	1100	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6-14	Same location as CDE-S21.
CDE-S22	1045	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	39 ft. southwest of the southeast corner of Building No. 12; gravel driveway.
CDE-SS22	1140	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	14-18	Same location as Sample No. CDE-S22; collected within the gravel layer.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S28[b]	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	Same location as Sample No. CDE-S17.
CDE-SS28[b]	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16	Same location as Sample No. CDE-SS17.
CDE-RIN 2	1235	Aqueous	Composite	TCL PCBs, Ag, Cr, Cd, Hg, Pb	N/A	Composite trowel, bowl, and auger rinsate collected in the field.

[b] Duplicate sample - indicates that the sample was collected as an environmental field duplicate.

1416

PO No.: 65626

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
N. Not Preserved

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. LOW/E	Sample Type C/G	Sample Preservative (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCB	TAL	CN	RCRA ANALYSIS CN	COR	REACTIVE	OTHER
S1	6/27/96 0950	5	L/m	G	6				X	X		238535			CO CR PD HG AG MS/MSD
SS1	6/27/96 1000	5	L/m	G	6				X	X		238536			CO CR PD HG AG MS/MSD
S2	6/27/96 1010	5	L/m	G	6				X	X		238537			CO CR PD HG AG
SS2	6/27/96 1020	5	L/m	G	6				X	X		238538			CO CR PD HG AG
S3	6/27/96 1030	5	L/m	G	6				X	X		238539			CO CR PD HG AG
SS3	6/27/96 1040	5	L/m	G	6				X	X		238540			CO CR PD HG AG
S4	6/27/96 1045	5	L/m	G	6				X	X		238541			CO CR PD HG AG
SS4	6/27/96 1055	5	L/m	G	6				X	X		238542			CO CR PD HG AG
CDE RIN 1	6/27/96 1145	4	L	G	6				X			238543			TCL-PCB
CDE RIN 1	6/27/96 1145	4	L	C	26					X		238544			CO CR, PD HG AG
S5	6/27/96 1335	5	L/m	G	6				X	X		238545			CO CR PD HG AG
SS5	6/27/96 1340	5	L/m	G	6				X	X		238546			CO, CR, PD, HG AG
S6	6/27/96 1350	5	L/m	G	6				X	X		238547			CO CR PD HG AG

Person Assuming Responsibility for Sample: [signature] Time: 1700 Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	[signature]	1700	6/27/96	[signature]	Deliver to Lab

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
ALL	[signature]	1030	6/28/96	[signature]	RECEIPT AT LAB

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody

1416

PO No.: 15625

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

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)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter in box 6 A)	Sample Conc. L/M/E	Sample Type C/G	Sample Preservative (Enter # from box 7)	RAS ANALYSES VOA	BNA	PEST	PCB	TAL	CN	RCRA ANALYSES CN	COR	REACTIVITY	OTHER
SS6	6/27/96 1400	5	4/m	G	6				X	X		238548			Cd, Cr, Pb, Hg Ag
S26	6/27/96 1350	5	4/m	G	6				X	X		238549			Cd, Cr, Pb Hg Ag
SS26	6/27/96 1400	5	4/m	G	6				X	X		238550			Cd, Cr, Pb, Hg Ag
S7	6/27/96 1415	5	4/m	G	6				X	X		238551			Cd Cr Pb Hg Ag
SS7	6/27/96 1425	5	4/m	G	6				X	X		238552			Cd Cr, Pb Hg Ag
~~SED 4~~	~~6/27/96 1520~~	~~5~~	~~4/m~~	~~G~~	~~6~~				~~X~~	~~X~~					~~Cd Cr Pb Hg Ag~~
S8	6/27/96 1525	5	4/m	G	6				X	X		238553			Cd Cr Pb Hg Ag
SS8	6/27/96 1530	5	4/m	G	6				X	X		238554			Cd Cr Pb Hg Ag
S9	6/27/96 1535	5	4/m	G	6				X	X		238555			Cd Cr Pb Hg Ag
SS9	6/27/96 1540	5	4/m	G	6				X	X		238556			Cd Cr Pb Hg Ag
S10	6/27/96 1545	5	4/m	G	6				X	X		238557			Cd Cr Pb Hg Ag
SS10	6/27/96 1550	5	4/m	G	6				X	X		238558			Cd Cr Pb Hg Ag
S11	6/27/96 1600	5	4/m	G	6				X	X		238559			Cd Cr, Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1730	6/27/96	Swamy S. Jetha	Deliver to Lab.
All	Swamy S. Jetha	1650	6/28/96	Denise G. Kelly	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
Association with Resource Applications, Inc., R.F. Sutton Associates, PRC Environmental Management

27°C

1416

PO No.: 05625

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
N. Not Preserved

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter Matrix Code)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservative (Enter # from Box 7)	RAS ANALYSES VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSES XRN	COR	REAC	IGN	OTHER
SS11	6/27/96 1610	5	L/M	G	6				X	X		238560				Cd Cr Pb Hg As
SS12	6/27/96 1700	5	L/M	G	6				X	X		238561				Cd Cr Pb Hg As
SS12	6/27/96 1710	5	L/M	G	6				X	X		238562				Cd Cr Pb Hg Ag
SED4	6/27/96 1520	5	L/M	G	6							238563				TOC, Grain Size

Person Assuming Responsibility for Sample: Jennifer Healy

Time: 1720 Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	J Healy	1730	6/27/96	Swamy S. Tetha	Deliver to Lab.
All	Swamy S. Tetha	050	6/28/96	Brian G. Kelly	Receipt at Lab

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarmen Associates, PRC Environmental Management

27°C

1916

Q No.:

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
N. Not Preserved

Name of Unit and Address: WESTON MANAGERS DESIGNERS CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703, Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCB	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	IGN	OTHER
S-13	06/29/96 0835	5	L/H	G	6				X	X		238909				Cd Cr Ag Hg Pb
SS-13	06/29/96 0915	5	L/H	G	6				X	X		238910				Cd Cr Ag Hg Pb
S-14	06/29/96 0835	5	L/H	G	6				X	X		238911				Cd Cr Ag Hg Pb
SS-14	06/29/96 0855	5	L/H	G	6				X	X		238912				Cd Cr Ag Hg Pb
S-15	06/29/96 0935	5	L/H	G	6				X	X		238913				Cd Cr Ag Hg Pb hs/hsD
SS-15	06/29/96 1000	5	L/H	G	6				X	X		238914				Cd Cr Ag Hg Pb hs/hsD
S-16	06/29/96 0855	5	L/H	G	6				X	X		238915				Cd Cr Ag Hg Pb
SS-16	06/29/96 0915	5	L/H	G	6				X	X		238916				Cd Cr Ag Hg Pb
S-17	06/29/96 1400	5	L/H	G	6				X	X		238917				Cd Cr Ag Hg Pb
SS-17	06/29/96 1420	5	L/H	G	6				X	X		238918				Cd Cr Ag Hg Pb
S-18	06/29/96 1355	5	L/H	G	6				X	X		238919				Cd Cr Ag Hg Pb
SS-18	06/29/96 1415	5	L/H	G	6				X	X		238920				Cd Cr Ag Hg Pb
S-19	06/29/96 1145	5	L/H	G	6				X	X		238921				Cd Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christopher Stannik — Time: 1545 — Date (MM/DD/YY): 6/29/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Christopher Stannik	1005	7/1/96	Denise E. Keller	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date MM/DD/YY	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.

O No.:

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

2. HNO3
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
N. Not Preserved

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SJ-19	06/29/96 1210	5	L/M	G	6				X	X		238922				Cd Cr Ag Hg Pb
S-20	06/29/96 1445	5	L/M	G	6				X	X		238923				Cd Cr Ag Hg Pb
SJ-20	06/29/96 1500	5	L/M	G	6				X	X		238924				Cd Cr Ag Hg Pb
S-21	06/29/96 1035	5	L/M	G	6				X	X		238925				Cd Cr Ag Hg Pb
SJ-21	06/29/96 1100	5	L/M	G	6				X	X		238926				Cd Cr Ag Hg Pb
S-22	06/29/96 1045	5	L/M	G	6				X	X		238927				Cd Cr Ag Hg Pb
SJ-22	06/29/96 1140	5	L/M	G	6				X	X		238928				Cd Cr Ag Hg Pb
CDE-RIN2	06/29/96 1235	4	L	C	6 2					X		238929				Cd Cr Ag Hg Pb
CDE-RIN2	06/29/96 1240	4	L	C	6				X			238930				TCL PCBs
S-28	06/29/96 1400	5	L/M	G	6				X	X		238931				Cd Cr Ag Hg Pb
SS-28	06/29/96 1420	5	L/M	G	6				X	X		238932				Cd Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christopher Hannik — Time: 1545 — Date (MM/DD/YY): 06/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Christopher Hannik	1005	7/1/96	Denise G. Killen	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody

TECTONIC ENGINEERING CONSULTANTS P.C.

☐ P.O. Box 447, 600 Rte. 32, Highland Mills, N.Y. 10930
Phone: (914) 928-6531 Fax: (914) 928-9211

☐ 24 Computer Drive West, Albany, N.Y. 12205
Phone: (518) 482-0737 Fax: (518) 482-4805

☐ 714B Southbridge St., Auburn, MA 01501
Phone: (508) 832-7146 Fax: (508) 832-0775

LETTER OF TRANSMITTAL

DATE	JOB NO.
7-30-96	1781.03

ATTENTION: Kim Norton

RE:

TO ICM Labs Inc.

1152 Route 10

Randolph New Jersey 07869

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

Enclosed please find Grain Size Analysis for the above referenced job.

COPY TO File

SIGNED: Bill FEtter/rl

If enclosures are not as noted, kindly notify us at once.

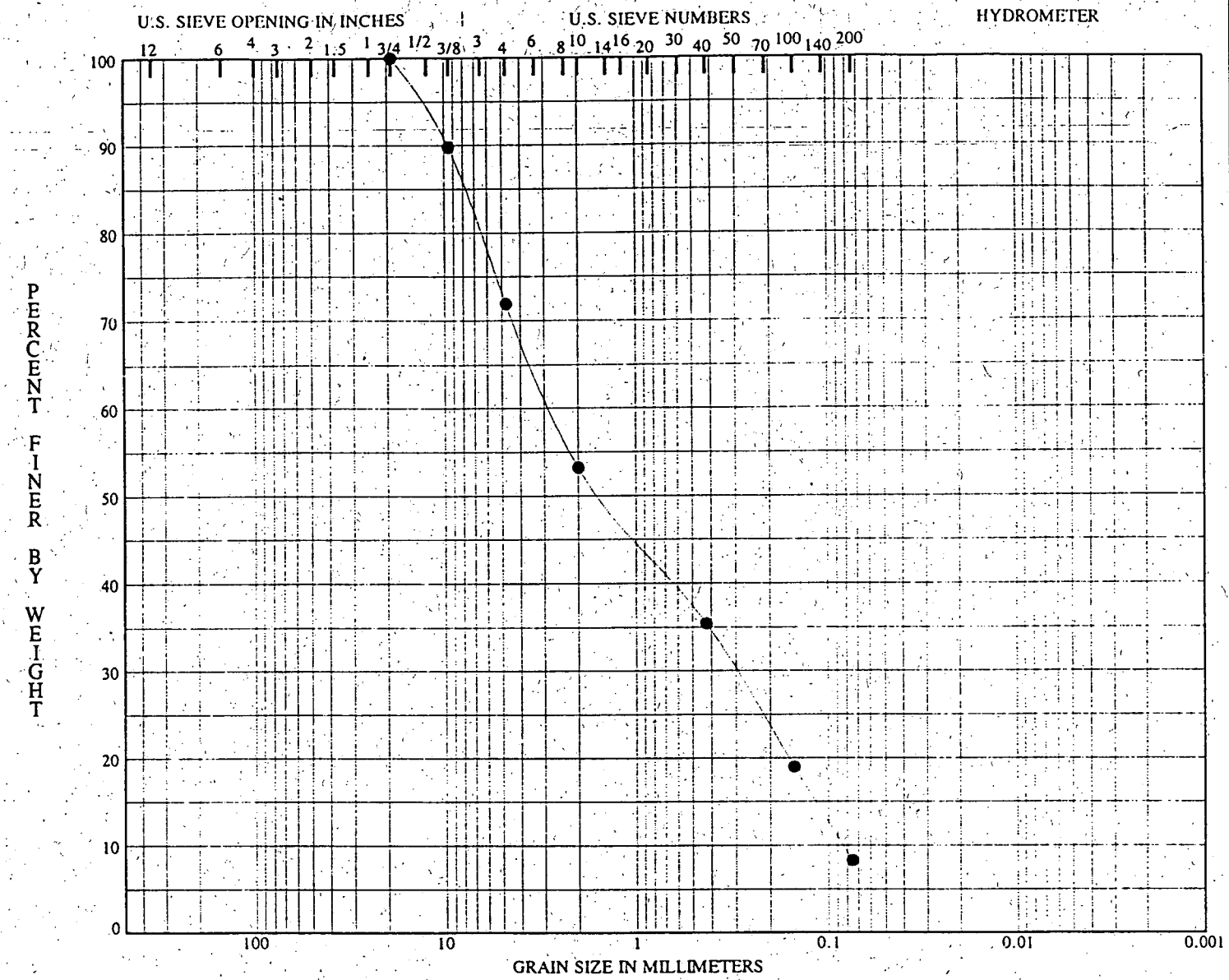
TECTONIC
ENGINEERING CONSULTANTS P.C.

PROJECT No. 1780.03
PROJECT: ICM Labs, INC.
LOCATION: Randolf N.J.

GRAIN SIZE ANALYSIS

SOURCE: WA 2513

ASTM D422



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	MC %	LL	PL	PI	Cc	Cu
●	238563	SED 4	Blk Organic c-f SAND, some f Gravel, trace Silt	56				0.40	32.7

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	238563	SED 4	19.00	2.74	0.302	0.0837	28.1	63.6	8.3	

TECTONIC ENGINEERING CONSULTANTS P.C.
☐ P.O. Box 447, 600 Rte. 32, Highland Mills, N.Y. 10930
Phone: (914) 928-6531 Fax: (914) 928-9211
☐ 24 Computer Drive West, Albany, N.Y. 12205
Phone: (518) 482-0737 Fax: (518) 482-4805
☐ 714B Southbridge St., Auburn, MA 01501
Phone: (508) 832-7146 Fax: (508) 832-0775

LETTER OF TRANSMITTAL

DATE August 6 | JOB NO. 1781.03

ATTENTION

RE:

TO ICM Labs Inc
1152 Route 10
Randolph, New Jersey 07869

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Enclosed Chain of Custody as Requested.

COPY TO File

SIGNED: Bill Feller / UL

If enclosures are not as noted, kindly notify us at once.

CLIENT: ICM LABS, INC.
ADDRESS: 1152 Route 10
Randolph, NJ 07869
PHONE: 201 584-0330
PROJECT: WA2513
PROJ. MGR.: Kim Norton

BILL TO: same
SEND REPORT TO:
IN CASE OF QUESTIONS UPON SAMPLE RECEIPT CALL:
PHONE:

DELIVERABLES:
- [ ] REDUCED DELIVERABLES NOT CLP FORMAT
- [ ] REDUCED DEL. CLP FORMAT
- [ ] REGULATORY FORMAT
- [ ] FULL DEL. CLP FORMAT
- [ ] NPDES
- [ ] STATE FORMS REQUIRED

FAX (PRELIMINARIES) (If required)
HARDCOPY
COOLER TEMP

LABORATORY ID CODE	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	COMPOSITE	GRAB	SAMPLE MATRIX: SOIL	LIQUID	SLUDGE	OTHER	# OF BOTTLES	Grain Size												PRESERVATIVES: H_2SO_4	HNO_3	HCL	NAOH	OTHER
238563	SED 4	6/27/96	15:20			✓				1	X																

SAMPLED BY:
RELINQUISHED BY: Kim Norton — DATE: 7/1/96 TIME: 17:00
RECEIVED BY: Fed Ex Airbill # 1434270795 — DATE: 7/1/96 TIME: 17:00
RELINQUISHED BY: Fed Ex Airbill # 1434270795 — DATE: TIME:
RECEIVED BY: — DATE: TIME:
RELINQUISHED BY: — DATE: TIME:
RECEIVED BY: Bill Fitts — DATE: 7/2/96 TIME:

COMMENTS: PO # 21470 W.O. 1781.03

COMPOUND LIST:
- [ ] PRIORITY POLLUTANT
- [ ] TARGET COMPOUND LIST
- [ ] NJAC 7:14A APP. B
- [ ] OTHER

CONCENTRATIONS EXPECTED:
- [ ] HIGH
- [ ] MEDIUM
- [ ] LOW
- KNOWN HAZARD

IS SAMPLE CHLORINATED? [ ] YES [ ] NO

© ICM 1993

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
201-584-0330, FAX: 201-584-0515
JULY 10, 1996

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY ANALYSIS
All results are reported in mg/kg (ppm) dry weight basis unless otherwise stated.

Lab Number: 238563
Client: ROY F. WESTON, INC.
Sample Source: RFP-1416
Sample ID: SED4
Sample matrix: SOIL
Sample date: 06/27/96
Sampled by: Customer
At lab date: 06/28/96
% Moisture: 54.54%

PARAMETER	DILUTION FACTOR	RESULT	METHOD BLANK	MINIMUM DETECTION LIMIT	ANALYSIS DATE
TOC	1	840 J	U	170	07/03/96

< = Less than
> = Greater than
U= Not detected, NA= Not applicable.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Richard Levine, President

Copyright ICM, Inc., 1996.
All rights reserved.
ROB

2230

171

SAMPLE TRIP REPORT

SITE NAME: Cornell Dubilier Electronics Site

PROJECT No.: 8003-306

CERCLIS ID No.: NJD981557879

SAMPLING DATE: June 8, 1994

EPA CASE No.: 22276

1. Site Location: Hamilton Boulevard, South Plainfield, New Jersey - Refer to Figure 1

2. Sample Locations: Refer to Figure 2

3. Sample Descriptions: Refer to Table 1

4. Laboratories Receiving Samples:

Sample Type	Name and Address of Laboratory
Full TCL Organics	Ross Analytical Services Inc. 16433 Foltz Industrial Parkway Strongville, Ohio 44136
TAL Inorganics (except CN)	IT Analytical Services - Export 5103 Old William Penn Highway Export, PA 15632

5. Sample Dispatch Data:

A total of eight (8) aqueous samples and eleven (11) soil/sediment samples were shipped on June 8, 1994 by MPI personnel, via Federal Express, in four (4) coolers, under Airbill No. 1948604302 to Ross Analytical Services Inc. for Full TCL Organics analyses. A total of seven (7) aqueous samples and eleven (11) soil/sediment samples were shipped on June 8, 1994 by MPI personnel, via Federal Express, in two (2) coolers, under Airbill No. 1948604313 to IT Analytical Services - Export for TAL Inorganics (excluding CN) analyses.

6. Sampling Personnel:

Name	Organization	Duties on Site
Gary Bielen	Malcolm Pirnie, Inc.	Site Manager (SM)
David Kahlenberg	Malcolm Pirnie, Inc.	Site Health & Safety Officer (SHSO)
Lilli Gonzalez	Malcolm Pirnie, Inc.	Sample Management Officer (SMO)
Christopher Bath	Malcolm Pirnie, Inc.	Sampler
Colleen Dywer	Malcolm Pirnie, Inc.	Sampler

7. Weather Conditions:

06/08/94 Overcast; temperature, 65° F

8. Additional Comments:

All samples will be analyzed for Target Compound List (TCL) organic and Target Analyte List (TAL) inorganic compounds, excluding cyanide.

The trip blank (TB1) was present during the collection of all aqueous samples. TB1 is associated with all the surface water (SW) samples collected on June 8, 1994.

None of the samples showed a reading above background on the OVA or HNu.

The surface water/sediment sample (SW1/SED1) was moved from its original location to a new location further downstream due to access problems caused by excessive vegetative growth.

An additional surface water/sediment sample (SW5/SED5) location was added upon the discovery of a storm drain pipe that was discharging effluent into the stream. SW5/SED5 was collected at the probable point of entry of the discharge into the stream.

RIN1 was a rinsate sample collected from a scoopula and bowl. RIN2 was a rinsate sample collected from a trowel. These rinsates are associated with all of the sediment and soil samples collected on June 8, 1994.

9. Report Prepared By: Andrew Allendorf Date: June 21, 1994

10. QA/QC Approved By: Lisa Greco Date: June 21, 1994

TABLE 1
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
S1	BPD08	MBLF01	1027	Soil	Soil sample collected from pile located adjacent to Building No. 14. Sample was collected 106° southeast and 115' away from the aboveground tank. Sample depth 0-1 foot.
S2	BPD09	MBLF81	1125	Soil	Surface soil sample collected 10' east downslope of tank disposal area and 46' east of soil sample S4. Sample depth 0-1 foot.
S3	BPD10	MBLF82	1105	Soil	Surface soil sample collected 2' south of the tank disposal area. The sample location is 167' from the southeast corner of the fence (bearing unknown). Sample depth: 0-1 foot.
S4(1)	BPD11	MBLF83	1050	Soil	Surface soil sample collected just north of the tank disposal area. The sample location is 102' from the gate on north side of fence (bearing unknown). Sample depth: 0-1 foot.
S5	BPD12	MBLF25	1200	Soil	Surface soil sample collected from within the fenced-in area on the back lot of the property, south of the buildings. The sample location was 168' from southwest corner of fence (bearing unknown). Sample depth: 0-1 foot.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

(3) N/A means not applicable.

TABLE 1 (Continued)
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
S6	BPD25	MBLF26	1220	Soil	Background soil sample collected 235° southwest and 86' from the southwest corner of the fence. Sample depth: 0-1 foot.
S7[2]	BPD26	MBLF27	1210	Soil	Duplicate soil sample collected at same location as sample S5.
SW1[1]	BPD27	MBLF28	1645	Aqueous	Background surface water sample collected from the unnamed tributary to Bound Brook 10' upstream of an 8' diameter concrete culvert located upstream of the tank disposal area.
SW2	BPD28	MBLF29	1615	Aqueous	Surface water sample collected from the unnamed tributary to Bound Brook at tank disposal area's probable point of entry (PPE) into the unnamed tributary of Bound Brook. The sample was collected 300' upstream of the Lehigh Valley Railroad Bridge.
SW3	BPD29	MBLF30	1505	Aqueous	Surface water sample collected from the unnamed tributary to Bound Brook at point that encompasses 0.1 miles of wetland frontage from the tank disposal area PPE. This point was 30' upstream from the Lehigh Valley Railroad Bridge and 270' downstream of SW2/SED2.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

(3) N/A means not applicable.

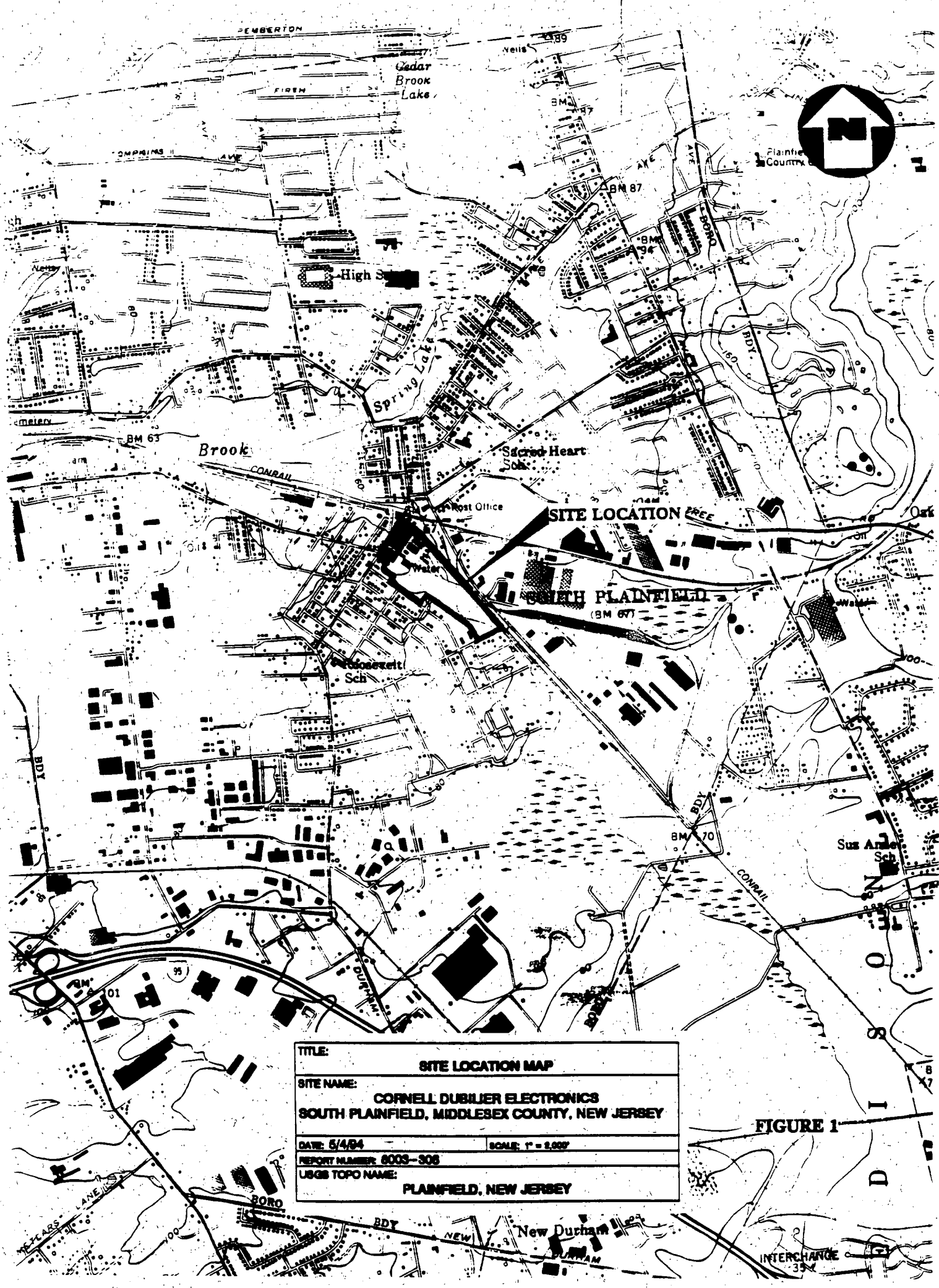
TABLE 1 (Continued)
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
SW4[2]	BPD30	MBLF31	1510	Aqueous	Duplicate surface water sample collected at same location as sample SW3.
SW5	BPG00	MBLF37	1540	Aqueous	Surface water sample collected at the point where the stormwater pipe discharge enters the unnamed tributary of the Bound Brook. This location is 265' upstream of the Lehigh Valley Railroad Bridge.
SED1	BPD31	MBLF32	1645	Sediment	Sediment sample collected at same location as sample SW1.
SED2	BPD32	MBLF33	1615	Sediment	Sediment sample collected at same location as sample SW2.
SED3	BPD33	MBLF34	1515	Sediment	Sediment sample collected at same location as sample SW3.
SED5	BPG07	MBLF38	1540	Sediment	Sediment sample collected at same location as sample SW5.
RIN1	BPD34	MBLF35	0945	Aqueous	Rinsate sample collected from bowl and scoopula. See Statement 8.
RIN2	BPD83	MBLF36	1000	Aqueous	Rinsate sample collected from trowel. See Statement 8.
TB1	BPF99	N/A[3]	0940	Aqueous	Trip blank. See Statement 8.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

(3) N/A means not applicable.



TITLE: SITE LOCATION MAP	
SITE NAME: CORNELL DUBILIER ELECTRONICS SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY	
DATE: 5/4/94	SCALE: 1" = 2,000'
REPORT NUMBER: 6003-306	
USGS TOPO NAME: PLAINFIELD, NEW JERSEY	

FIGURE 1

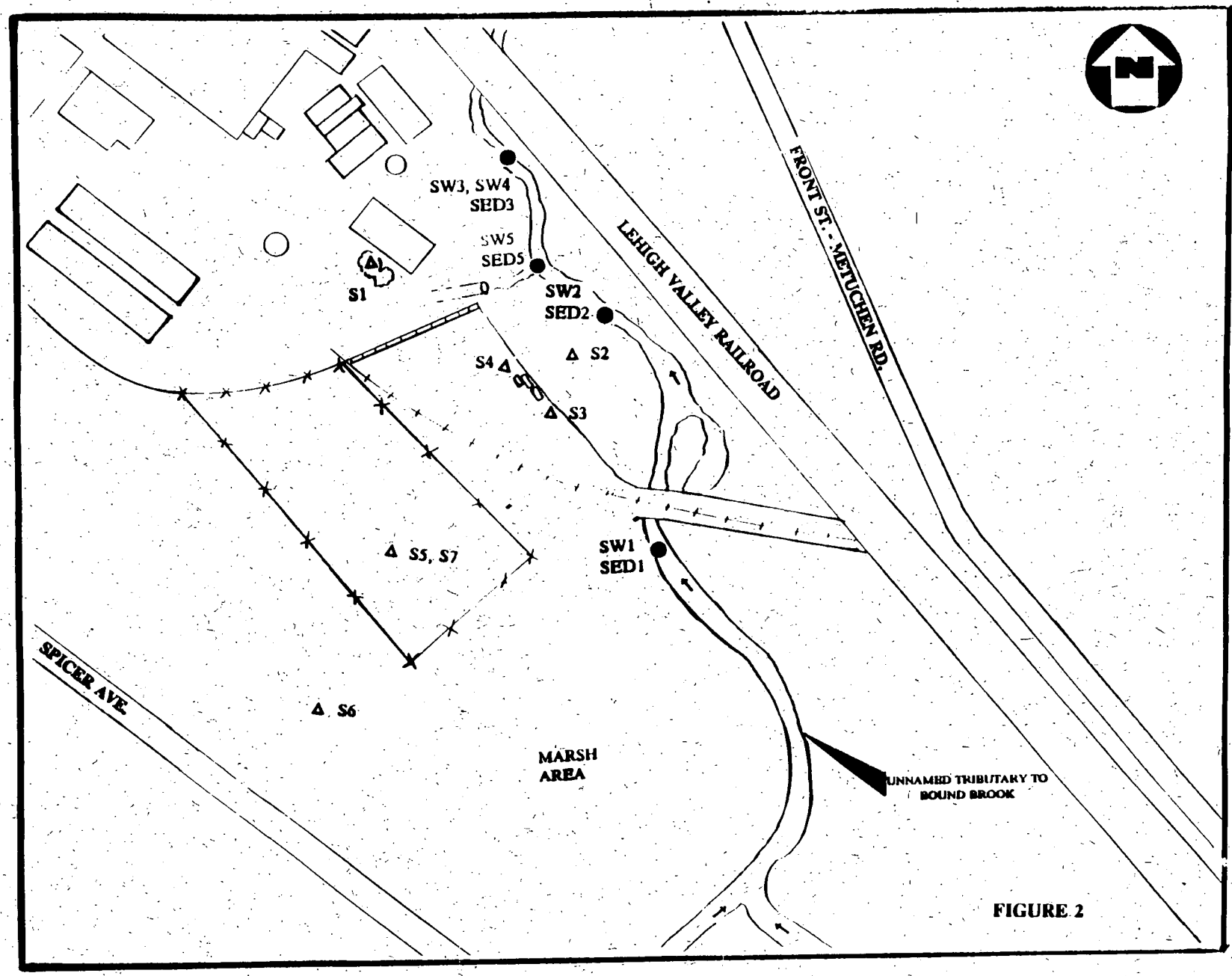


FIGURE 2

MAP KEY

SOIL SAMPLE △

SURFACE WATER/SEDIMENT SAMPLE ●

CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
SAMPLE LOCATION MAP
NOT TO SCALE

MALCOLM PIRNIE, INC.	PROJECT NOTES

To: File	**Date:**December 28, 1994
From: Andrew Cilbanoff	**Project #:**8003-306
Subject:USEPA Analytical Data - June 8, 1994	**Site Name:**Cornell Dubilier Electronics

The USEPA inspected the Cornell Dubilier Electronics (CDEI) site on June 8, 1994 and collected samples from six surface soil, four surface water and four sediment sample locations. All of the chemical analyses for the site inspection prioritization sampling event were performed by USEPA Certified Laboratories for Target Compound List (TCL) organic compounds and Target Analyte List (TAL) inorganic constituents. The analytical data has been analyzed and validated using USEPA Contract Laboratory Program (CLP) protocols.

Sample locations can be found in the Sample Trip Report (Ref. No. 15).

The following provides a list of the hazardous substances detected at concentration greater than 3 times background in the soil samples collected from the CDEI site during the June 8, 1994 USEPA site inspection prioritization sampling event:

Volatiles: 1,2-dichloroethene (19 E ug/kg), trichloroethene (82 E ug/kg)

Semi-volatiles: phenanthrene (2,200 ug/kg), anthracene (380 ug/kg), fluoranthene (5,000 ug/kg), pyrene (2,900 ug/kg), benzo(a)anthracene (1,800 ug/kg), chrysene (2,300 ug/kg), benzo(b)fluoranthene (2,500 ug/kg), benzo(k)fluoranthene (1,600 ug/kg), benzo(a)pyrene (1,900 ug/kg), indeno(1,2,3-cd)pyrene (1,400 ug/kg), dibenz(a,h)anthracene (460 ug/kg), and benzo(g,h,i)perylene (1,100 ug/kg)

Pesticides/PCBs: aroclor-1254 (1,100,000 ug/kg)

Inorganics: arsenic (25.7 mg/kg), cadmium (36.7 mg/kg), chromium (78.6 mg/kg), lead (2,200 mg/kg), mercury (2.9 mg/kg), and silver (26.7 mg/kg)

No observed releases to surface water could be documented with the analytical results of the surface water samples collected for this sampling event. While reviewing the sediment analytical data, it was noticed that the designated background sediment sample (SED1) contained the highest concentration of a PCB (aroclor-1254) (550,000 ug/kg). It was determined that the SED1 sample location was not adequate, as this location would receive stormwater runoff from the fenced portion of the back lot, an area of the site initially believed to be "clean." A soil sample collected from within the fenced area (S5) was found to contain the highest concentration of PCBs at the site (aroclor-1254 at 1,100,000 ug/kg).

In order to establish an observed release to surface water, a second round of sampling would need to be completed.

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

VOLATILES	S1	S2	S3	S4	S5	S6	DUP OF S5 S7	SW1	SW2
Sample ID No.	BPD08	BPD09	BPD10	BPD11	BPD12	BPD25	BPD26	BPD27	BPD28
Traffic Report No.									
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1
Percent Moisture	10	25	15	36	12	12	12	--	--
Chloromethane									
Bromomethane									
Vinyl Chloride									3 J
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
1,2-Dichloroethene (total)		19 E						2 J	17
Chloroform									
1,2-Dichloroethane									
2-Butanone									
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene	5 J	82 E	0.9 J	8 J	1 J		2 J	0.8 J	
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene	0.5 J								
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene	0.6 J								
1,1,2,2-Tetrachloroethane									
Toluene							0.5 J		
Chlorobenzene									
Ethylbenzene									
Styrene									
Xylenes (Total)									

NOTES:
Blank space – compound analyzed for but not detected
B – compound found in lab blank as well as sample, indicates possible/probable blank contamination
E – estimated value
J – estimated value, compound present below CRQL but above IDL
R – analysis did not pass EPA QA/QC
N – Presumptive evidence of the presence of the material
NR – analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

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SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

VOLATILES	SW3	DUP OF SW3 SW4	SW5	SED1	SED2	SED3	SED5	RIN1	RIN2	TB1
Sample ID No.	BPD29	BPD30	BPG00	BPD31	BPD32	BPD33	BPG07	BPD34	BPD83	BPF99
Traffic Report No.	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER	WATER
Matrix	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
Units	1	1	1	1	1	1	1	1	1	1
Dilution Factor	--	--	--	38	56	30	46	--	--	--
Percent Moisture										
Chloromethane										
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride								0.6 J	1 J	
Acetone								7 J	10	7 J
Carbon Disulfide								0.5 J		
1,1-Dichloroethene										
1,1-Dichloroethane				1 J						
1,2-Dichloroethene (total)	5 J	5 J	100	51 E	23 E	4 J	4 J			
Chloroform										
1,2-Dichloroethane										
2-Butanone	3 J									
1,1,1-Trichloroethane				0.5 J						
Carbon Tetrachloride										
Bromodichloromethane										
1,2-Dichloropropane										
cis-1,3-Dichloropropene										
Trichloroethene		0.05 J	2 J	120 E	7 J					
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene										
trans-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene				9 J						
1,1,2,2-Tetrachloroethane										
Toluene										
Chlorobenzene	0.2 J	0.2 J								
Ethylbenzene										
Styrene										
Xylenes (Total)										

NOTES:
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E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

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SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

SEMI-VOLATILES	S1	S2	S3	S4	S5	S6	DUP OF S5 S7	SW1	SW2
Sample ID No.	BPD08	BPD09	BPD10	BPD11	BPD12	BPD25	BPD26	BPD27	BPD28
Traffic Report No.									
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1
Percent Moisture	10	25	15	36	12	12	12	--	--
Phenol									
bis(2-Chloroethyl)ether									
2-Chlorophenol									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene									
1,2-Dichlorobenzene									
2-Methylphenol									
2,2'-oxybis(1-Chloropropane)									
4-Methylphenol									
N-Nitroso-di-n-dipropylamine									
Hexachloroethane									
Nitrobenzene									
Isophorone									
2-Nitrophenol									
2,4-Dimethylphenol									
bis(2-Chloroethoxy)methane									
2,4-Dichlorophenol									
1,2,4-Trichlorobenzene				53 J					
Naphthalene	110 J	180 J	170 J	180 J					
4-Chloroaniline									
Hexachlorobutadiene									
4-Chloro-3-Methylphenol									
2-Methylnaphthalene	97 J	350 J	330 J	310 J					
Hexachlorocyclopentadiene									
2,4,6-Trichlorophenol									
2,4,5-Trichlorophenol									
2-Chloronaphthalene									
2-Nitroaniline									
Dimethylphthalate									
Acenaphthylene		24 J	300 J	53 J					
2,6-Dinitrotoluene									
3-Nitroaniline									
Acenaphthene	210 J	60 J	74 J						
2,4-Dinitrophenol									
4-Nitrophenol									
Dibenzofuran	140 J	130 J	140 J	110 J					
2,4-Dinitrotoluene									
Diethylphthalate									
4-Chlorophenyl-phenyl ether									
Fluorene	150 J	56 J	53 J	49 J					
4-Nitroaniline									
4,6-Dinitro-2-methylphenol									
N-nitrosodiphenylamine									
4-Bromophenyl-phenyl ether									
Hexachlorobenzene									
Pentachlorophenol									0.4 J
Phenanthrene	2200	960	990	700					
Anthracene	380	95 J	240 J	91 J					

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

SEMI-VOLATILES	S1	S2	S3	S4	S5	S6	DUP OF S5 S7	SW1	SW2
Sample ID No.	BPD08	BPD09	BPD10	BPD11	BPD12	BPD25	BPD26	BPD27	BPD28
Traffic Report No.									
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1
Percent Moisture	10	25	15	36	12	12	12	--	--
Carbazole	220 J	110 J	140 J	97 J					
Di-n-butylphthalate			52 J	80 J		44 J		0.2 J	
Fluoranthene	4400	1500	5000	1400		200 J		0.2 J	0.6 J
Pyrene	2200	1100	2900	920		150 J			0.7 J
Butylbenzylphthalate		240 J	20 J	160 J		27 J			3 J
3,3'-Dichlorobenzidine									
Benzo(a)anthracene	1700	670	1800	590		91 J			
Chrysene	2000	1100	2300	910		130 J			
bis(2-Ethylhexyl)phthalate	48 J	1200	180 J	1100		140 J			
Di-n-octylphthalate									
Benzo(b)fluoranthene	2400	970	2500	810		110 J			
Benzo(k)fluoranthene	1300	760	1600	540		88 J			
Benzo(a)pyrene	1900	790	1400	520 J		100 J			
Indeno(1,2,3-cd)pyrene	1400	530	920			65 J			
Dibenz(a,h)anthracene	460		420						
Benzo(g,h,i)perylene	1100	480	400						

NOTES:
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E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

SEMI-VOLATILES	SW3	DUP OF SW3 SW4	SW5	SED1	SED2	SED3	SED5	RIN1	RIN2	TB1
Sample ID No.	BPD29	BPD30	BPG00	BPD31	BPD32	BPD33	BPG07	BPD34	BPD83	BPF99
Traffic Report No.	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER	WATER
Matrix	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
Units	1	1	1	1	1	1	1	1	1	NA
Dilution Factor/GPC Cleanup (Y)	--	--	--	38	56	30	46	--	--	NA
Percent Moisture										
Phenol									2 J	NR
bis(2-Chloroethyl)ether										NR
2-Chlorophenol										NR
1,3-Dichlorobenzene										NR
1,4-Dichlorobenzene										NR
1,2-Dichlorobenzene										NR
2-Methylphenol										NR
2,2'-oxybis(1-Chloropropane)										NR
4-Methylphenol										NR
N-Nitroso-di-n-dipropylamine										NR
Hexachloroethane										NR
Nitrobenzene										NR
Isophorone										NR
2-Nitrophenol										NR
2,4-Dimethylphenol										NR
bis(2-Chloroethoxy)methane										NR
2,4-Dichlorophenol										NR
1,2,4-Trichlorobenzene				5400 J			63 J			NR
Naphthalene						35 J	480 J			NR
4-Chloroaniline										NR
Hexachlorobutadiene										NR
4-Chloro-3-Methylphenol										NR
2-Methylnaphthalene					23 J	43 J	450 J			NR
Hexachlorocyclopentadiene										NR
2,4,6-Trichlorophenol										NR
2,4,5-Trichlorophenol										NR
2-Chloronaphthalene										NR
2-Nitroaniline										NR
Dimethylphthalate						32 J				NR
Acenaphthylene							220 J			NR
2,6-Dinitrotoluene										NR
3-Nitroaniline										NR
Acenaphthene						27 J	830			NR
2,4-Dinitrophenol										NR
4-Nitrophenol										NR
Dibenzofuran						24 J	380 J			NR
2,4-Dinitrotoluene										NR
Diethylphthalate								0.5 JB	0.5 JB	NR
4-Chlorophenyl-phenyl ether										NR
Fluorene							540 J			NR
4-Nitroaniline										NR
4,6-Dinitro-2-methylphenol										NR
N-nitrosodiphenylamine										NR
4-Bromophenyl-phenyl ether										NR
Hexachlorobenzene										NR
Pentachlorophenol										NR
Phenanthrene			1 J		260 J	300 J	4000			NR
Anthracene					46 J	46 J	830			NR

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SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

SEMI-VOLATILES	SW3	DUP OF SW3 SW4	SW5	SED1	SED2	SED3	SED5	RIN1	RIN2	TB1
Sample ID No.	BPD29	BPD30	BPG00	BPD31	BPD32	BPD33	BPG07	BPD34	BPD83	BPF99
Traffic Report No.	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER	WATER
Matrix	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
Units	1	1	1	1	1	1	1	1	1	NA
Dilution Factor/GPC Cleanup (Y)	--	--	--	38	56	30	46	--	--	NA
Percent Moisture										
Carbazole						35 J	650			NR
Di-n-butylphthalate					280 J	120 J				NR
Fluoranthene			2 J	1400 J	720 J	630	7700			NR
Pyrene			2 J		490 J	430 J	6000			NR
Butylbenzylphthalate					8100	1100	2000			NR
3,3'-Dichlorobenzidine										NR
Benzo(a)anthracene			1 J		270 J	260 J	4000			NR
Chrysene			2 J		420 J	370 J	5100			NR
bis(2-Ethylhexyl)phthalate				9400 J	54000	9900	23000	1 JB	0.6 JB	NR
Di-n-octylphthalate					7600	690	1100			NR
Benzo(b)fluoranthene			2 J		450 J	400 J	8200			NR
Benzo(k)fluoranthene			0.6 J		320 J	190 J	4600			NR
Benzo(a)pyrene					300 J	280 J	5900			NR
Indeno(1,2,3-cd)pyrene							4700			NR
Dibenz(a,h)anthracene							2200			NR
Benzo(g,h,i)perylene							4500			NR

NOTES:
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J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

PESTICIDES	S1	S2	S3	S4	S5	S6	DUP OF S5 S7	SW1	SW2
Sample ID No.	BPD08	BPD09	BPD10	BPD11	BPD12	BPD25	BPD26	BPD27	BPD28
Traffic Report No.									
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	10	10	10	10	10000	10	10000	1	1
Percent Moisture	10	25	15	36	12	12	12	--	--
alpha-BHC								0.011 J	R
beta-BHC								0.021 JN	0.021 J
delta-BHC									
gamma-BHC (Lindane)									
Heptachlor									
Aldrin								0.073	R
Heptachlor epoxide									
Endosulfan I									R
Dieldrin								0.044 J	0.022 JN
4,4'-DDE								R	
Endrin									
Endosulfan II									
4,4'-DDD									
Endosulfan sulfate									0.021 JN
4,4'-DDT									0.065 J
Methoxychlor									
Endrin ketone									
Endrin aldehyde									0.035 J
alpha-Chlordane								0.011 JN	0.04 J
gamma-Chlordane									
Toxaphene									
Aroclor-1016									
Aroclor-1221									
Aroclor-1232									
Aroclor-1242									
Aroclor-1248									
Aroclor-1254	68000	110000	6900	20000	1100000	8200	1100000	2.1 E	1.9 E
Aroclor-1260									

NOTES:
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B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276 LAB: ROSS

PESTICIDES		DUP OF SW3								
Sample ID No.	SW3	SW4	SW5	SED1	SED2	SED3	SED5	RIN1	RIN2	TB1
Traffic Report No.	BPD29	BPD30	BPG00	BPD31	BPD32	BPD33	BPG07	BPD34	BPD83	BPF99
Matrix	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	10	1	1	10	1	1	NA
Percent Moisture	--	--	--	38	56	30	46	--	--	NA
alpha-BHC			0.054 EN							NR
beta-BHC										NR
delta-BHC	0.028 J	0.028 J								NR
gamma-BHC (Lindane)										NR
Heptachlor										NR
Aldrin										NR
Heptachlor epoxide	0.017 JN	0.02 JN	0.8 EN							NR
Endosulfan I			0.26 E							NR
Dieldrin										NR
4,4'-DDE										NR
Endrin			0.12							NR
Endosulfan II										NR
4,4'-DDD										NR
Endosulfan sulfate										NR
4,4'-DDT										NR
Methoxychlor										NR
Endrin ketone										NR
Endrin aldehyde										NR
alpha-Chlordane										NR
gamma-Chlordane										NR
Toxaphene										NR
Aroclor-1016										NR
Aroclor-1221										NR
Aroclor-1232										NR
Aroclor-1242										NR
Aroclor-1248			24							NR
Aroclor-1254			20 EN	550000	3700	4500	51000			NR
Aroclor-1260										NR

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276
LAB NAME: ITPA

INORGANICS	S1	S2	S3	S4	S5	S6	DUP OF S5 S7	SW1	SW2
Sample ID No.	MBLF01	MBLF81	MBLF82	MBLF83	MBLF25	MBLF26	MBLF27	MBLF28	MBLF29
Traffic Report No.									
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1
Aluminum	12500	3000	3440	7710	28800	7720	29100	2440	11300
Antimony		3.9 J			25.4 E		16.8 E		
Arsenic	16.7	15.2	25.7	12.9	6.5	3.2	5.2	8.2 J	15.6 E
Barium	138	207	535	290	224	44.9 J	255	161 J	344
Beryllium	0.89 J	0.29 J	0.42 J	0.51 J	0.5 J	0.38 J	0.54 J	0.55 J	0.91 J
Cadmium	1 J	1.3 J		4.7	33.2		36.7	3.2 J	14.5 E
Calcium	2720	1520	601 J	6960	4700	570 J	6590	50600	55200
Chromium	25.1	12.5	12	78.6	25.7	11.9	24.5	6.4 J	25.7
Cobalt	16.6 E	3.9 J	7.8 J	15.1 J	9.2 J	5.1 J	10 J	4.8 J	13.1 J
Copper	71.8 E	62.8 E	38.5 E	82.9 E	3020 E	30.5 E	1310 E	22.6 J	89.5
Iron	28600	15900	23400	36200	28400	14700	26100	4800	19600
Lead	178	348	198	419	2200	43.2	1990	35.4	180
Magnesium	5840	584 J	1230	3220	3190	1730	4050	10000	12600
Manganese	914	63.7	224	523	360	204	462	679	1380
Mercury	2.4	0.98	0.24	2.9	0.47		0.76		
Nickel	57.7 E	23 E	15.2 E	31.7 E	31.4 E	13.1	31.4 E	20.3 J	40.8
Potassium	2070	414 J	878 J	1350 J	1320	537 J	1410	3110 J	3950 J
Selenium		2.4 E	2.5 E	1.4 J	1 J				
Silver	0.48 J	6.8	0.89 J	3.8	26.7	1.1 J	22.9		3.8 J
Sodium	210 J	108 J	161 J	214 J	156 J	58.6 J	160 J	24800	24500
Thallium									5.6 J
Vanadium	205	98.9	29.2	56.7	30.5	18.1	30.2	10.3 J	32.4 J
Zinc	176	R	R	317	1380	R	1040	713	994

NOTES:
Blank space – compound analyzed for but not detected
E – estimated value
J – estimated value, compound present below CRDL but above IDL
R – analysis did not pass EPA QA/QC
NR – analysis not required

SITE NAME: CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 6/8/94
EPA CASE NO.: 22276
LAB NAME: ITPA

INORGANICS		DUP OF SW3							
Sample ID No.	SW3	SW4	SW5	SED1	SED2	SED3	SED5	RIN1	RIN2
Traffic Report No.	MBLF30	MBLF31	MBLF37	MBLF32	MBLF33	MBLF34	MBLF38	MBLF35	MBLF36
Matrix	WATER	WATER	WATER	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/L	ug/L	ug/L	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1
Aluminum	401	373	5800	12800	13600 E	13300	16800	39.1 J	103 J
Antimony				6.1 J					
Arsenic	3.9 J	4.6 J	9.2 J	9.2	13.8 E	10.4	24.2		2.9 J
Barium	114 J	117 J	366	225	317 E	256	366	0.96 J	1.1 J
Beryllium	0.2 J	0.16 J	0.5 J	0.73 J	1.1 J	0.85 J	1 J	0.31 J	0.16 J
Cadmium			8.2	14.4	22.6 E	10.3	24.8		
Calcium	46100	47400	38000	3740	6060 E	6380	7670	651 J	996 J
Chromium			27.1	28.5	39.1 E	38.7	56.6		
Cobalt	2.6 J	2.2 J	8.8 J	10.9 J	16.1 J	16.1 E	18.4 J	1.6 J	1.8 J
Copper	7.2 J	7.6 J	76.8	219 E	122 E	91.1 E	165 E		
Iron	1470	1500	9570	18300	24600 E	28600	31400	51.2 J	41.7 J
Lead	5.8	4.6	153	552	290 E	216	425		
Magnesium	8840	9050	8700	3190	4250 E	4950	6460	32.1 J	72 J
Manganese	409	416	907	539	847 E	1610	1390	1 J	1.6 J
Mercury			0.23	0.37	0.41 E	0.73	0.77		
Nickel	9.3 J	8.9 J	28 J	34.8 E	38.3 E	38.9 E	52.4 E		
Potassium	2500 J	2580 J	3170 J	1030 J	1150 J	1450 J	1470 J		
Selenium				1.2 J	1.6 J	1.6 E	1.9 E		
Silver			3.2 J	6.9	4.4 E	2.4 J	6.1		2.2 J
Sodium	24400	25100	17900	221 J	252 J	253 J	406 J	967 J	1100 J
Thallium									
Vanadium	4.8 J	4 J	46.5 J	35.5	41.7 E	42.6	85.8		
Zinc	62.1	51.8	838	453	430 E	350	798	142	97.5

NOTES:
Blank space – compound analyzed for but not detected
E – estimated value
J – estimated value, compound present below CRDL but above IDL
R – analysis did not pass EPA QA/QC
NR – analysis not required

SAMPLE TRIP REPORT

SITE NAME: Cornell Dubilier Electronics Site

PROJECT No.: 8003-306

CERCLIS ID No.: NJD981557879

SAMPLING DATE: October 13, 1994

EPA CASE No.: 22774

1. Site Location: Hamilton Boulevard, South Plainfield, New Jersey - Refer to Figure 1

2. Sample Locations: Refer to Figures 2 & 3

3. Sample Descriptions: Refer to Table 1

4. Laboratories Receiving Samples:

Sample Type	Name and Address of Laboratory
Full TCL Organics	IEA, Inc. - New Jersey 628 Route 10 Whippany, NJ 07981
TAL Inorganics (except CN)	IT Analytical Services - Export 5103 Old William Penn Highway Export, PA 15632

5. Sample Dispatch Data:

A total of two (2) aqueous samples and three (3) sediment samples were shipped on October 13, 1994 by Malcolm Pirnie, Inc. personnel, via Federal Express, in one (1) cooler, under Airbill No. 2359714206 to IEA, Inc. - New Jersey for Full TCL Organics analyses. A total of two (2) aqueous samples and three (3) sediment samples were shipped on October 13, 1994 by Malcolm Pirnie Inc. personnel, via Federal Express, in one (1) cooler, under Airbill No. 2359714195 to IT Analytical Services - Export for TAL Inorganics (excluding CN) analyses.

6. Sampling Personnel:

Name	Organization	Duties on Site
Andrew Clibanoff	Malcolm Pirnie, Inc.	Site Manager (SM)
David Kahlenberg	Malcolm Pirnie, Inc.	Site Health & Safety Officer (SHSO), Sample Management Officer (SMO), Sampler

7. Weather Conditions:

10/13/94 Sunny; temperature, 60° F

8. Additional Comments:

All samples will be analyzed for Target Compound List (TCL) organic and Target Analyte List (TAL) inorganic compounds, excluding cyanide.

The collection time for RIN1 and RIN2 was after the collection of the sediment samples. However, the equipment used for rinsate collection was decontaminated prior to the actual sampling event and therefore can be associated with the sediment samples collected during this event.

9. Report Prepared By: _____ Date: October 20, 1994

10. QA/QC Approved By: _____ Date: October 20, 1994

TABLE 1
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
SED6[1]	MBLZ89	BPL49	1117	Soil	Sediment sample collected approximately 30 feet downstream of confluence of unnamed tributary to Bound Brook unnamed stream off of Spicer Road (approx. 620 feet upstream of SW1/SED1).
SED7	MBLZ90	BPL50	1149	Soil	Sediment sample collected from unnamed Bound Brook tributary approximately 50 feet downstream of Belmont Avenue Bridge (approx. 1,350 feet upstream of SW1/SED1).
SED8[2]	MBLZ91	BPL51	1149	Soil	Duplicate sediment sample collected at same location as sample SED7.
RIN1	MBLZ92	BPL52	1245	Aqueous	Rinsate sample collected from bowl and scoopula.
RIN2	MBLZ93	BPL53	1302	Aqueous	Rinsate sample collected from trowel.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

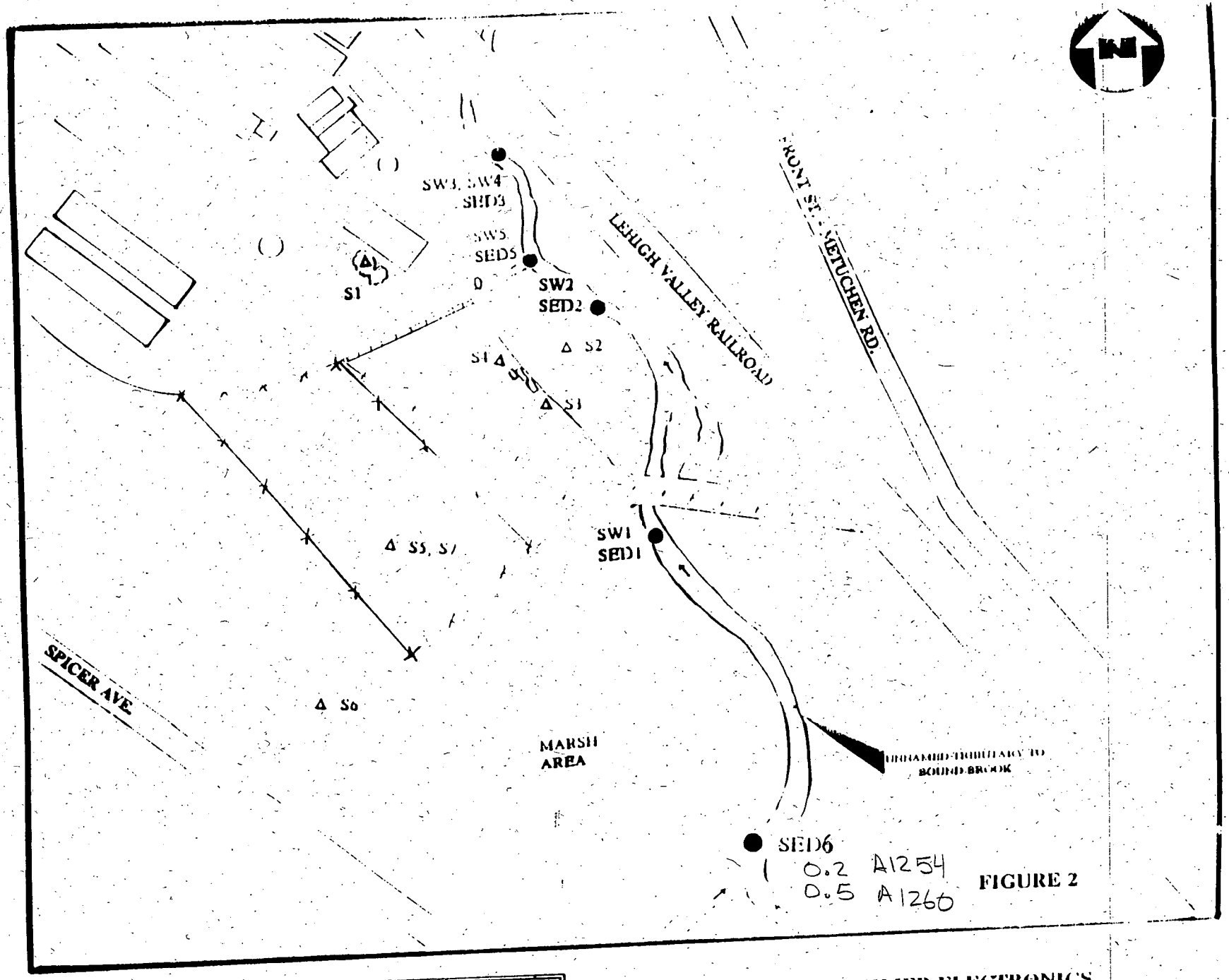

FIGURE 2

MAP KEY

SOIL SAMPLE △

CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
SAMPLE LOCATION MAP
NOT TO SCALE

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Organic Traffic Report & Chain of Custody Record

(For Organic CLP Analysis)

SAS No. (if applicable):

Case No.: 22774

1. Project Code: 8003326
Account Code:
Regional Information:
Non-Superfund Program:
Site Name: Cornell-Dubilier
City, State: S. Plainfield, NJ
Site Spill ID: ZZ

2. Region No.: II
Sampling Co.: MPI
Sampler (Name): DAVID KAHLENBERG
Sampler Signature:

3. Type of Activity

	Lead	Pre-Remedial	Remedial	Removal
SF			RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	UST

4. Date Shipped: 10/13/94
Carrier: Fed EX.
Airbill Number: 2359714206

5. Ship To
IEA Inc. - New Jersey
628 Route 10
Whippany, NJ 07981
ATTN: Brian Wood

6. Preservative (Enter in Column D)
1. HCl
2. HNO3
3. NaHSO4
4. H2SO4
5. Other (Specify)
6. Ice only
N. Not preserved

7. Sample Description (Enter in Column A)
1. Surface Water
2. Ground Water
3. Leachate
4. Rinsate
5. Soil/Sediment
6. Oil (High only)
7. Waste (High only)
8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E RAS Analysis VOA	BNA	Pest/PCB	High only ARO/TOX	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Inorg. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
BPL49	5	L	G	N	✓				03037+38	SED6	10/13/94 1117	DBK	MBLZ89	S/SD
BPL49	5	L	G	N		✓	✓		03039	SED6	10/13/94 1117	DBK	MBLZ89	S/SD
BPL50	5	L	G	N	✓				03041+42	SED7	10/13/94 1149	DBK	MBLZ90	
BPL50	5	L	G	N		✓	✓		03043	SED7	10/13/94 1149	DBK	MBLZ90	
BPL51	5	L	G	N	✓				03045+46	SED8	10/13/94 1149	DBK	MBLZ91	
BPL51	5	L	G	N		✓	✓		03047	SED8	10/13/94 1149	DBK	MBLZ91	
BPL52	4	L	G	N	✓				03049+50	RIN1	10/13/94 1245	DBK	MBLZ92	
BPL52	4	L	G	N		✓	✓		03051+52	RIN1	10/13/94 1245	DBK	MBLZ92	
BPL53	4	L	G	N	✓				03054+55	RIN2	10/13/94 1302	DBK	MBLZ93	
BPL53	4	L	G	N		✓	✓		03056+57	RIN2	10/13/94 1302	DBK	MBLZ93	

Shipment for Case complete? (Y/N): Y
Page 1 of 1
Sample used for a spike and/or duplicate: BPL49
Additional Sampler Signatures:
Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	10/13/94 1105pm	Fed EX.			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used

DISTRIBUTION:
Blue - Region Copy Pink - SMO Copy White - Lab Copy for Return to Region Yellow - Lab

ORIGINAL STANDARD INSTRUCTIONS

9-90

EPA

United States Environmental Protection Agency
Contract Laboratory Program Sample Management Office
PO Box 818 Alexandria, VA 22313
703-557-2490 FTS 557-2490

Inorganic Traffic Report & Chain of Custody Record

(For Inorganic CLP Analysis)

SAS No. (if applicable):

Case No.: 22774

1. Project Code: 8003306
Account Code:
2. Region No.: II
Sampling Co.: MPI
4. Date Shipped: 10/13/94
Carrier: Fed EX

Regional Information:
Sampler (Name): DAVID KAHLENBERG
Airbill Number: 2359714195

Non-Superfund Program:
Sampler Signature:
5. Ship To: IT Analytical Services- Export, 5103 Old William Penn Hwy, Export, PA 15632
ATTN: David Dunlap

Site Name: Cornell-Dubilier
City, State: S. Plainfield, NJ
Site Spill ID: ZZ

3. Type of Activity:
Lead: SF, PRP, ST, FED
Pre-Remedial: PA, SSI (X), LSI
Remedial: RIFS, RD, RA, O&M, NPLD
Removal: CLEM, REMA, REM, OIL, UST

6. Preservative (Enter in Column D): 1. HCl 2. HNO3 3. NaOH 4. H_2SO_4 5. $K_2CR_2O_7$ 6. Ice only 7. Other (Specify) N. Not preserved

7. Sample Description (Enter in Column A): 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (High only) 7. Waste (High only) 8. Other (Specify)

CLP Sample Numbers (from labels)	A Enter # from Box 7	B Conc. Low Med High	C Sample Type: Comp./Grab	D Preservative from Box 6	E - RAS Analysis: Metals Total	Metals Dissolved	Cyanide	Low Conc. only: Nitrate/Nitrite	Fluoride	High only: pH	Conductivity	F Regional Specific Tracking Number or Tag Numbers	G Station Location Number	H Mo/Day/Year/Time Sample Collection	I Sampler Initials	J Corresp. CLP Org. Samp. No.	K Enter Appropriate Qualifier for Designated Field QC (B = Blank, S = Spike, D = Duplicate, PE = Perform. Eval., — = Not a QC Sample)
MBLZ89	5	L	G	N	✓							03040	SED6	10/13/94 1117	DSK	BPL49	S
MBLZ90	5	L	G	N	✓							03044	SED7	10/13/94 1149	DSK	BPL50	
MBLZ91	5	L	G	N	✓							03048	SED8	10/13/94 1149	DSK	BPL51	
MBLZ92	4	L	G	2	✓							03053	RIN1	10/13/94 1245	DSK	BPL52	
MBLZ93	4	L	G	2	✓							03058	RIN2	10/13/94 1302	DSK	BPL53	

Shipment for Case complete? (Y/N): Y
Page 1 of 1
Sample used for a spike and/or duplicate: MBLZ89
Additional Sampler Signatures:
Chain of Custody Seal Number:

CHAIN OF CUSTODY RECORD

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	10/13/94 1407	Fed EX.			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks: Is custody seal intact? Y/N/none	

Split Samples: ☐ Accepted (Signature) ☐ Declined

EPA Form 9110-1 (Rev. 5-91) Replaces EPA Form (2075-6), previous edition which may be used

DISTRIBUTION:
Green - Region Copy Pink - SMO Copy White - Lab Copy for return to Region Yellow - Lab Copy for Return to SMO

SEE REVERSE FOR ADDITIONAL STANDARD INSTRUCTIONS

Inorg-1

023361

MALCOLM PIRNIE, INC. **PROJECT NOTES**

To: File	**Date:**December 28, 1994
From: Andrew Clibanoff	**Project #:**8003-306
Subject:USEPA Analytical Data - October 13, 1994	**Site Name:**Cornell Dubilier Electronics

Due to the lack of an adequate surface water/sediment background sample for the June 8, 1994 USEPA sampling event, USEPA reinspected the Cornell Dubilier Electronics (CDEI) site on October 13, 1994 and collected samples from two additional sediment sample locations. The samples were analyzed by USEPA Certified Laboratories for Target Compound List (TCL) organic compounds and Target Analyte List (TAL) inorganic constituents. The analytical data has been analyzed and validated using USEPA Contract Laboratory Program (CLP) protocols.

Sample locations can be found in the Sample Trip Report (Ref. No. 18).

The only hazardous substance detected at a concentration greater than 3 times background in the sediment samples collected from the CDEI site during the June 8, 1994 USEPA site inspection prioritization sampling event is a PCB (aroclor-1254 at 3,700 - 550,000 ug/kg in samples SED 1 - 3 & 5). The background concentration from sediment sample SED 6 collected on October 13, 1994 exhibited a concentration of aroclor-1254 of 520 E ug/kg.

SITE NAME: CORNELL DUBILIER ELECTRONICS SITE
PROJECT#: 8003-306
SAMPLING DATE: 10/13/94
EPA CASE NO.: 22774 LAB: IEA, INC.

VOLATILES					
Sample ID No.	SED6	SED7	SED8	RIN1	RIN2
Traffic Report No.	BPL49	BPL50	BPL51	BPL52	BPL53
Matrix	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor	1	1	1	1	1
Percent Moisture	62	41	37	--	--
Chloromethane				7 J	
Bromomethane					
Vinyl Chloride					
Chloroethane					
Methylene Chloride					4 J
Acetone					8 J
Carbon Disulfide				12	
1,1-Dichloroethene					
1,1-Dichloroethane					
1,2-Dichloroethene (total)					
Chloroform					
1,2-Dichloroethane				4 J	
2-Butanone					
1,1,1-Trichloroethane					
Carbon Tetrachloride					
Bromodichloromethane					
1,2-Dichloropropane					
cis-1,3-Dichloropropene					
Trichloroethene					
Dibromochloromethane					
1,1,2-Trichloroethane					
Benzene					
trans-1,3-Dichloropropene					
Bromoform					
4-Methyl-2-Pentanone					
2-Hexanone					
Tetrachloroethene					
1,1,2,2-Tetrachloroethane					
Toluene					
Chlorobenzene					
Ethylbenzene					
Styrene					
Xylenes (Total)					

NOTES:
Blank Space – compound analyzed for but not detected
B – compound found in lab blank as well as sample, indicates possible/probable blank contamination
E – estimated value
J – estimated value, compound present below CRQL but above IDL
R – analysis did not pass EPA QA/QC
N – Presumptive evidence of the presence of the material
NR – analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS SITE
PROJECT#: 8003-306
SAMPLING DATE: 10/13/94
EPA CASE NO.: 22774 LAB: IEA, INC.

SEMI-VOLATILES					
Sample ID No.	SED6	SED7	SED8	RIN1	RIN2
Traffic Report No.	BPL49	BPL50	BPL51	BPL52	BPL53
Matrix	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1
Percent Moisture	62	41	37	--	--
Phenol			130 J		
bis(2-Chloroethyl)ether					
2-Chlorophenol					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
1,2-Dichlorobenzene					
2-Methylphenol					
2,2'-oxybis(1-Chloropropane)					
4-Methylphenol					
N-Nitroso-di-n-dipropylamine					
Hexachloroethane					
Nitrobenzene					
Isophorone					
2-Nitrophenol					
2,4-Dimethylphenol					
bis(2-Chloroethoxy)methane					
2,4-Dichlorophenol					
1,2,4-Trichlorobenzene					
Naphthalene					
4-Chloroaniline					
Hexachlorobutadiene					
4-Chloro-3-Methylphenol					
2-Methylnaphthalene					
Hexachlorocyclopentadiene					
2,4,6-Trichlorophenol					
2,4,5-Trichlorophenol					
2-Chloronaphthalene					
2-Nitroaniline					
Dimethylphthalate					
Acenaphthylene					
2,6-Dinitrotoluene					
3-Nitroaniline					
Acenaphthene					
2,4-Dinitrophenol					
4-Nitrophenol					
Dibenzofuran			110 J		
2,4-Dinitrotoluene					
Diethylphthalate					
4-Chlorophenyl-phenyl ether					
Fluorene					
4-Nitroaniline					
4,6-Dinitro-2-methylphenol					
N-nitrosodiphenylamine					
4-Bromophenyl-phenyl ether					
Hexachlorobenzene					
Pentachlorophenol					
Phenanthrene	540 J	320 J	410 J		
Anthracene	140 J	82 J	150 J		
Carbazole			64 J		
Di-n-butylphthalate					
Fluoranthene	1300 E	660 E	720 E		

SITE NAME: CORNELL DUBILIER ELECTRONICS SITE
PROJECT#: 8003-306
SAMPLING DATE: 10/13/94
EPA CASE NO.: 22774 LAB: IEA, INC.

SEMI-VOLATILES										
Sample ID No.	SED6		SED7		SED8		RIN1		RIN2	
Traffic Report No.	BPL49		BPL50		BPL51		BPL52		BPL53	
Matrix	SEDIMENT		SEDIMENT		SEDIMENT		WATER		WATER	
Units	ug/kg		ug/kg		ug/kg		ug/L		ug/L	
Dilution Factor/GPC Cleanup (Y)	1		1		1		1		1	
Percent Moisture	62		41		37		--		--	
Pyrene	1600	E	3400	E	4800	E				
Butylbenzylphthalate	8400	E	35000	E	38000	E				
3,3'-Dichlorobenzidine										
Benzo(a)anthracene	640	J	770	E	1000	E				
Chrysene	440	J	120	J	190	J				
bis(2-Ethylhexyl)phthalate	48000	E	250000	E	220000	E				
Di-n-octylphthalate	17000	E	100000	E	130000	E				
Benzo(b)fluoranthene	960		400	J	540	E				
Benzo(k)fluoranthene	690	J	220	J	310	J				
Benzo(a)pyrene	650	J	240	J	340	J				
Indeno(1,2,3-cd)pyrene	290	J	110	J	160	J				
Dibenz(a,h)anthracene	120	J			69	J				
Benzo(g,h,i)perylene	280	J	110	J	150	J				

NOTES:
Blank Space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS SITE
PROJECT#: 8003-306
SAMPLING DATE: 10/13/94
EPA CASE NO.: 22774 LAB: IEA, INC.

PESTICIDES/PCBs					
Sample ID No.	SED6	SED7	SED8	RIN1	RIN2
Traffic Report No.	BPL49	BPL50	BPL51	BPL52	BPL53
Matrix	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1
Percent Moisture	62	41	37	--	--
alpha-BHC					
beta-BHC					
delta-BHC					
gamma-BHC (Lindane)					
Heptachlor					
Aldrin					
Heptachlor epoxide					
Endosulfan I					
Dieldrin	34 E				
4,4'-DDE	6.4 J				
Endrin					
Endosulfan II		21 EN			
4,4'-DDD	110 EN	160 EN	84 EN		
Endosulfan sulfate					
4,4'-DDT			150 EN		
Methoxychlor					
Endrin ketone	24 E	53 E	34 E		
Endrin aldehyde					
alpha-Chlordane	64 E	53 E	51 E		
gamma-Chlordane	61 E	51 E	49 E		
Toxaphene					
Aroclor-1016					
Aroclor-1221					
Aroclor-1232					
Aroclor-1242					
Aroclor-1248	180 E	100 EN	64 EN		
Aroclor-1254	520 E	250 E	310		
Aroclor-1260					

NOTES:
Blank Space – compound analyzed for but not detected
B – compound found in lab blank as well as sample, indicates possible/probable blank contamination
E – estimated value
J – estimated value, compound present below CRQL but above IDL
R – analysis did not pass EPA QA/QC
N – Presumptive evidence of the presence of the material
NR – analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

Background upstream

CORNELL DUBILIER ELECTRONICS
PROJECT#: 8003-306
SAMPLING DATE: 10/13/94
EPA CASE NO.: 22774
LAB NAME: IT ANALYTICAL

INORGANICS										
Sample ID No.	SED6		SED7		SED8		RIN1		RIN2	
Traffic Report No.	MBLZ89		MBLZ90		MBLZ91		MBLZ92		MBLZ93	
Matrix	SEDIMENT		SEDIMENT		SEDIMENT		WATER		WATER	
Units	mg/kg		mg/kg		mg/kg		ug/L		ug/L	
Percent Solids	38		60.4		65.2		--		--	
Aluminum	12700	E	5370		4870		68.8	J	37.6	J
Antimony										
Arsenic	9	E	6.4	E	6.2	E				
Barium	277	E	110		107		0.5	J	0.78	J
Beryllium	0.93	J	0.75	J	0.5	J				
Cadmium	16.2	E	13.7		11.6					
Calcium	6160	E	4710		4510		520	J	501	J
Chromium	35.1	E	16.3		15.3					
Cobalt	12	J	8.2	J	7.3	J				
Copper	109	E	42.3		39.2		2.5	J	1.8	J
Iron	21000	E	10900		10900		39.7	J	28.9	J
Lead	242	E	115	E	116	E				
Magnesium	4290	E	2400		2380		18.4	J	14.5	J
Manganese	253	E	167		251		0.91	J	0.68	J
Mercury	0.28	E	0.78	E						
Nickel	34.7	E	17.7		17					
Potassium	1190	J	465	J	536	J				
Selenium	1.9	J	2	E	1.4	J	2.7	J		
Silver	3.7	J	0.82	J	1.2	J				
Sodium	325	J	121	J	137	J	895	J	902	J
Thallium										
Vanadium	40.3	E	15.8	J	14.3	J				
Zinc	372	E	176		169		3.6	J	4.6	J

NOTES:
Blank Space – compound analyzed for but not detected
E – estimated value
J – estimated value, compound present below CRDL but above IDL
R – analysis did not pass EPA QA/QC
NR – analysis not required

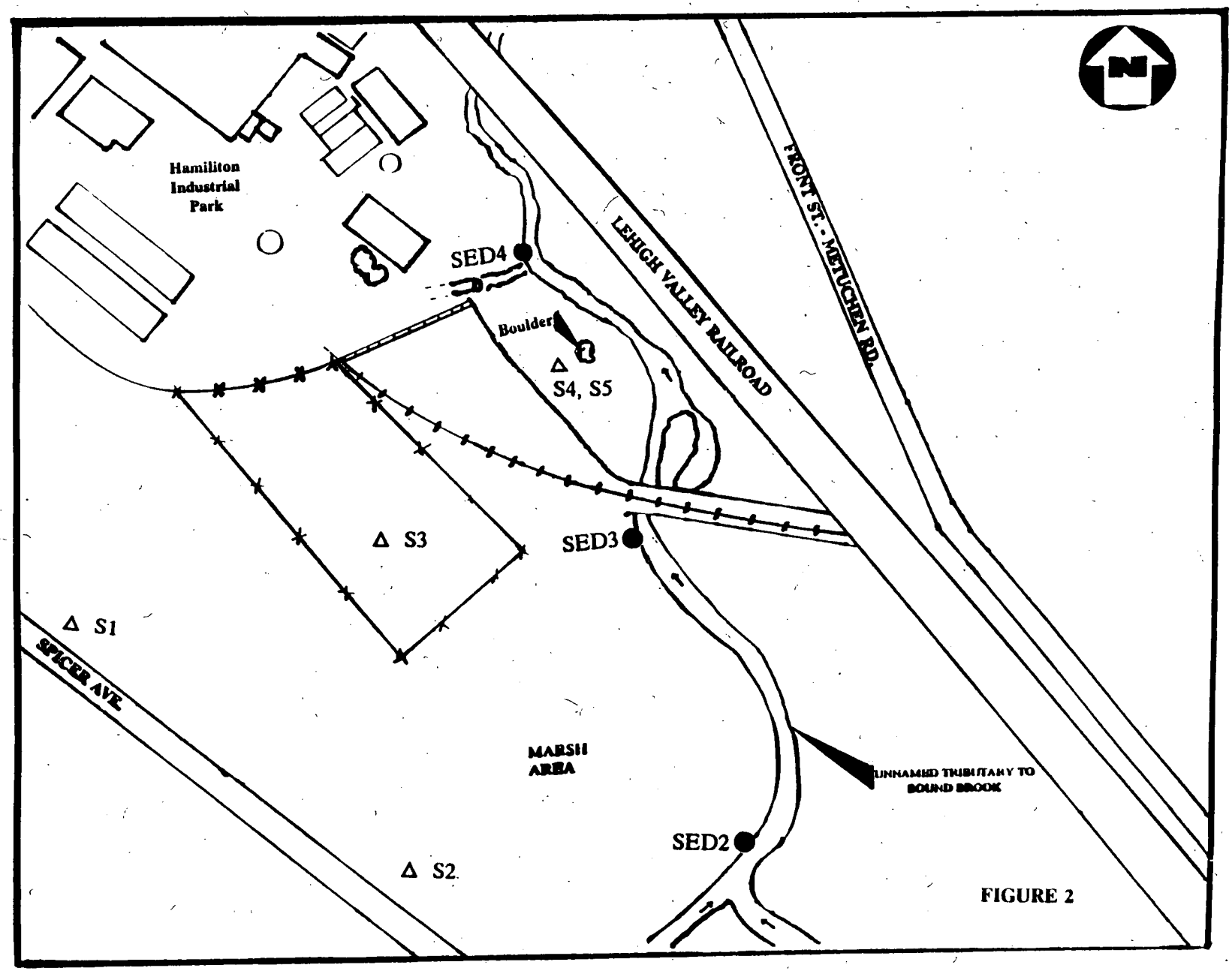

FIGURE 2

MAP KEY

SOIL SAMPLE △

SEDIMENT SAMPLE ●

CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
SAMPLE LOCATION MAP
NOT TO SCALE