210683

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.

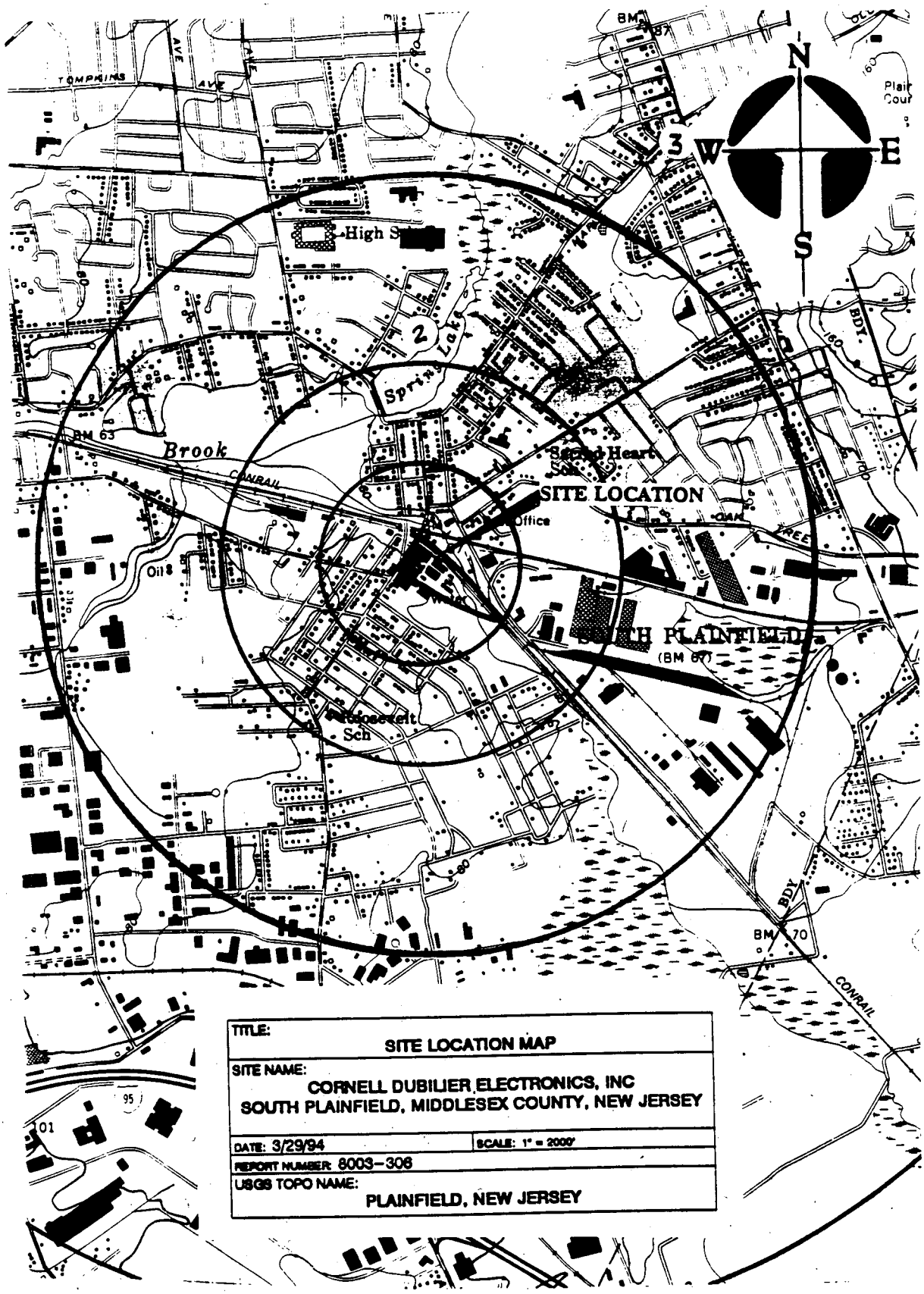
(2) Sample location designated for the collection of field duplicate sample.

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.


N
W
E
S
3
2
TOMPKINS
AVE
High S
Spring Lake
Brook
CONRAIL
BM 63
Sacred Heart
SITE LOCATION
Office
Oil
OAK
TREE
BDY.
(BM 67)
Roosevelt
Sch
BM 70
CONRAIL
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

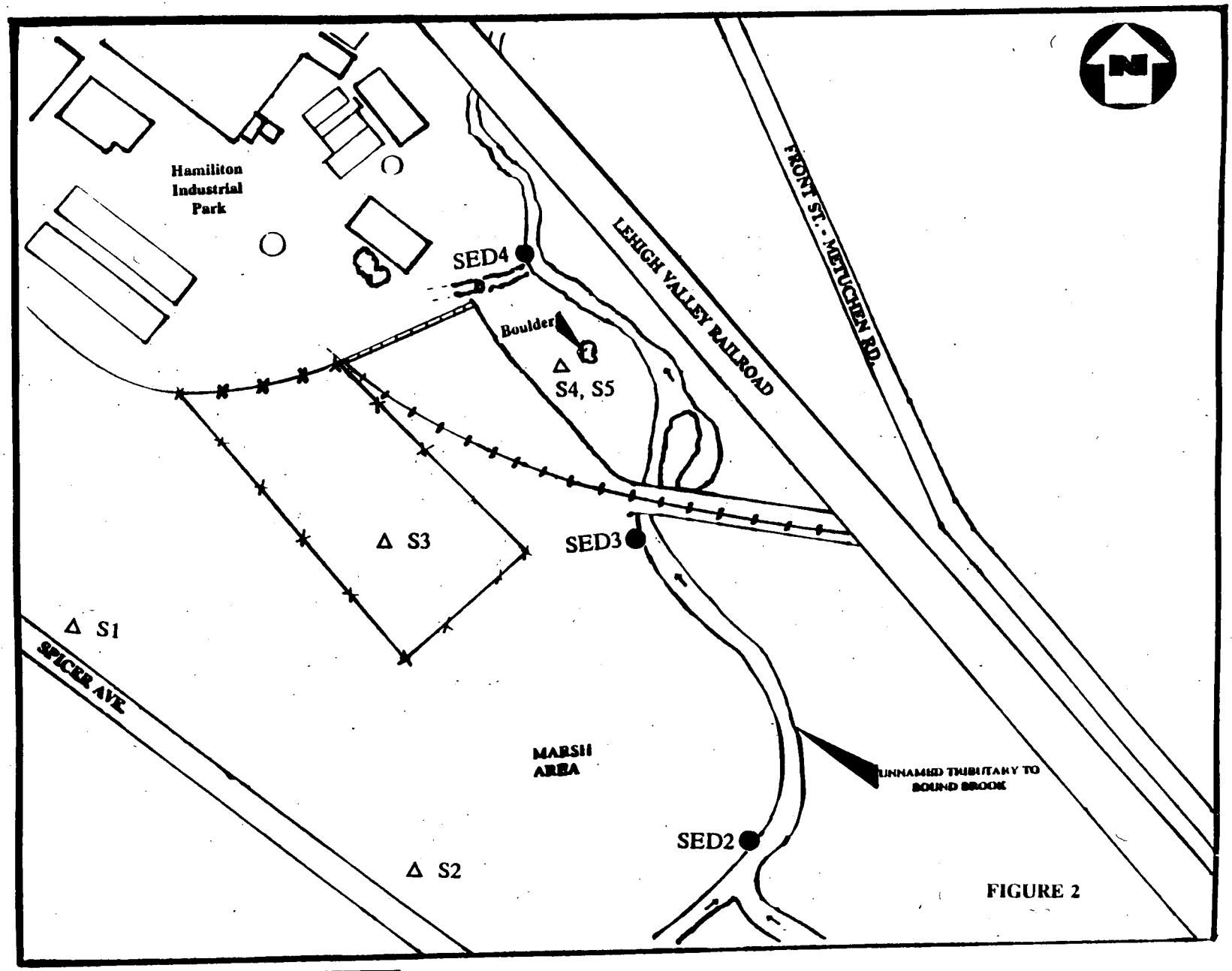


FIGURE 2

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	Pre-Remedial	Remedial	Removal
SF			RIFS	CLEM
PRP		PA	RD	REMA
ST		SSI	RA	REM
FED		LSI	O&M	OIL
			NPLD	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	S
10					X							06446	S2	1241	VS	88	
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)
[signature]	7/29/96 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: 80034454
Account Code: —
2. Region No.: 2
Sampling Co.: MPE
4. Date Shipped: 9/29/96
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	Pre-Remedial	Remedial	Removal
SF	☐		RIFS ☐	CLEM ☐
PRP	☐	PA ☐	RD ☐	REMA ☐
ST	☐	SSI ☒	RA ☐	REM ☐
FED	☐	LSI ☐	O&M ☐	OIL ☐
			NPLD ☐	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	9/24/96 735	B	B0196	B
MBNX19	8	L	G	6	X							06438	RIN2	9/29/96 945	B	U97	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)
	9/29/96 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

1338673

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: 8003454	Account Code: —	2. Region No.: 2	Sampling Co.: MPI	4. Date Shipped: 9/29/96	Carrier: Fed Ex
Regional Information: —		Sampler (Name): V. Smith		Airbill Number: 3829215460	
Non-Superfund Program: —		Sampler Signature: [signature]		5. Ship To: CEIMIC	
Site Name: Cornell Dubilier		3. Purpose*: Lead [ ] SF [ ] PRP [ ] ST [ ] FED; Early Action [ ] CLEM [ ] PA [ ] REM [ ] RI [X] SI [ ] ESI; Long-Term Action [ ] FS [ ] RD [ ] RA [ ] O&M [ ] NPLD		ATTN: Sample Custodian	
City, State: NJ	Site Spill ID:				

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 1122	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	1100	15	[illegible]	
94									06467-9	SED3	1013	16	[illegible]	
95									06471-3	SED4	0955	17	[illegible]	

Shipment for Case Complete? (Y/N)	Page	Sample(s) to be Used for Laboratory QC	Additional Sampler Signatures	Chain of Custody Seal Number(s)
Yes	2 of 2	BQY88		

*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 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	

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

361877

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

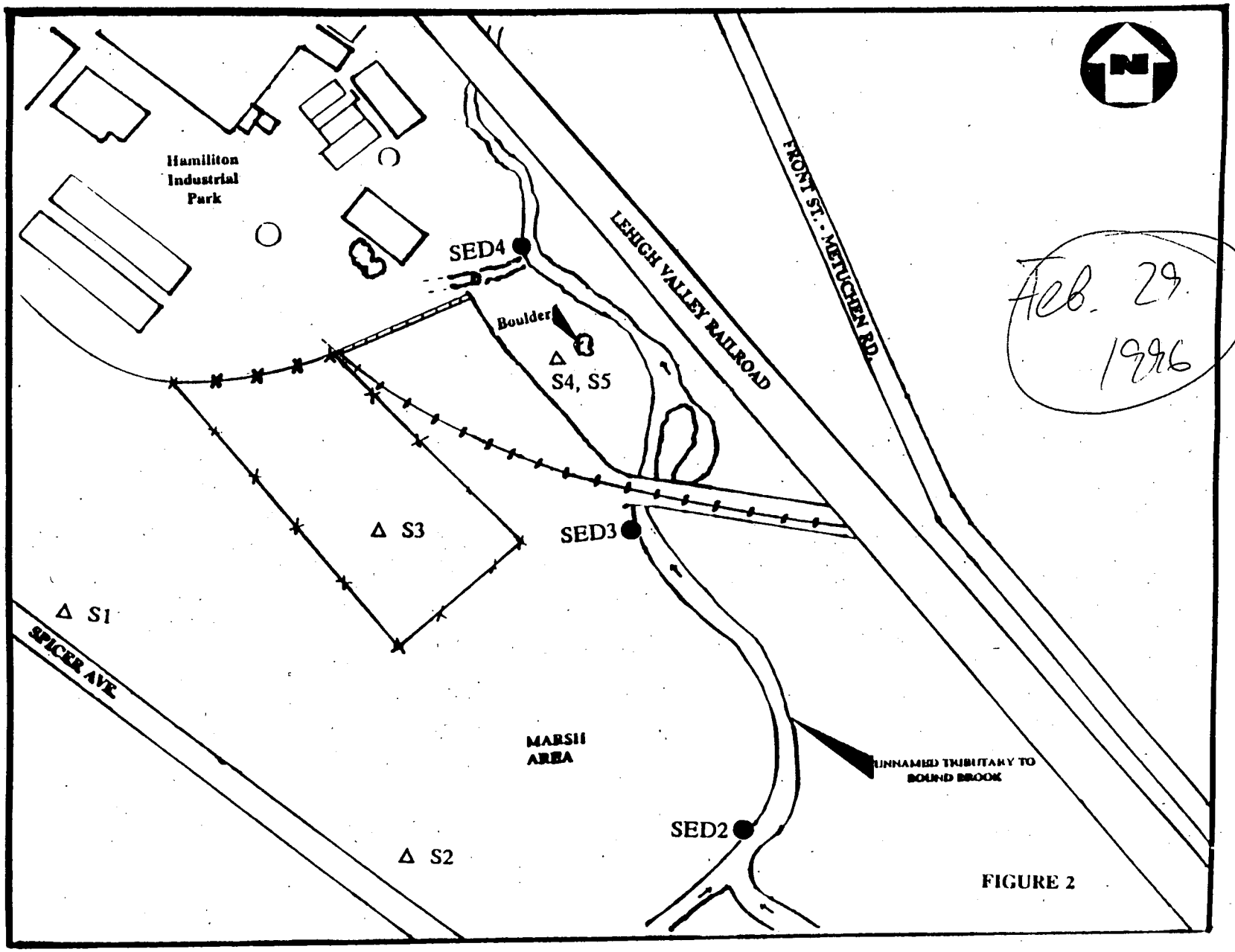
PESTICIDES/PCBs											
Sample ID No.	S1	S2	S3	S4	S5	SED1	SED2	SED3	SED4	RIN1	RIN2
Traffic Report No.	BQY87	BQY88	BQY89	BQY90	BQY91	BQY92	BQY93	BQY94	BQY95	BQY96	BQY97
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	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%

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



Feb. 29
1996

FIGURE 2

MAP KEY

SOIL SAMPLE △

SEDIMENT SAMPLE ●

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