RECEIPT FOR SAMPLES

U.S. EPA, 230 S. Dearborn St., Chicago, IL 60604

U.S. EPA ID NO ILD 1808947 57

PROJ. ACCT. NO. [illegible]

TDD [illegible]-0707-009

SPLIT SAMPLES ACCEPTED( ) DECLINED(x)

FACILITY/OCCUPANT NAME: Film Recovery Systems Chicago

FACILITY/OCCUPANT ADDRESS: 1655 Carmelent Ave. Elk Grove, IL 60007

SAMPLE NUMBER	DATE	TIME	SPLIT SAMPLES (✓)	OTR*	ITR*	DESCRIPTION OF SAMPLE LOCATIONS	SEMIVOLATILES	PESTICIDES/PCBS	VOLATILES	METALS	CYANIDE			MATRIX
51	8/9/90	1135		F-531	MER 591	51	x	x	x	x	x			Soil
52	↓	1150		F-532	MER 592	52	x	x	x	x	x			Soil
53	↓	1200		F-533	MER 593	53	x	x	x	x	x			Soil
54	↓	1210		F-534	MER 594	54	x	x	x	x	x			Sediment
55	↓	1230		F-535	MER 595	55	x	x	x	x	x			"
56	↓	1255		FA179	MER 590	56	x	x	x	x	x			"

EPA Region 5 Records Ctr.

351321

TRANSFERRED BY: J. W. Nehlsen (Signature) 8/9/90 (Date) 1330 (Time)

RECEIVED BY: (Signature) (Date) (Time)

TITLE TELEPHONE

DISTRIBUTION
WHITE: FIT SITE FILE
YELLOW: FACILITY/OCCUPANT
GREEN: FIT SAMPLE MANAGEMENT
PINK: U.S. EPA

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

CRL Receipt Date 6/14/89 FIT Receipt Date 6/29/89 Review Completed 7/18/89

TO: Nehrkorn

FROM: [redacted] John ERVE

SUBJECT: Film Recovery Systems

PAN: FI1C604SA (1 hour charged for review) Case # 11919

Sample Description

Organics (VOA, ABN, Pest/PCB)		Inorganics (Metals, Cyanide)	
# 7	Low Soil	#	Low Soil
	Low Water		Low Water
	Drinking Water		Drinking Water
	Other		Other

Project Data Status XX Completed!!

_____ Incomplete, awaiting _____

FIT Data Review Findings:

Polyaromatics, isophorone

Check Data Sheets for Transcription Errors

XX Compounds were detected in sample(s); see enclosed sheet.

Book No. 9 Page No. _____ Date Sampled 5/9/89

0759:2

recycled paper

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International Specialists in the Environment

CRL Receipt Date 6/15/89 FIT Receipt Date 7/7/89 Review Completed 7/18/89

TO: Nehrkorn

FROM: John ERVE

SUBJECT: Film Recovery Systems

PAN: FI106045A (1 hour charged for review) Case # 11919

Sample Description

Organics (VOA, ABN, Pest/PCB)		Inorganics (Metals, Cyanide)	
#	Low Soil	# 7	Low Soil
	Low Water		Low Water
	Drinking Water		Drinking Water
	Other		Other

Project Data Status _____ Completed!!

X Incomplete, awaiting Soil organic

FIT Data Review Findings:

CN⁻, Pb, Cd

Check Data Sheets for Transcription Errors

_____ Compounds were detected in sample(s); see enclos

Book No. 9 Page No. _____ Date Sampled

0759:2

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JE 7/18/89

Table 4-> Cont.

2070-13 Physical State*	Waste Characteristics**	Category***	SI Memo	Sample Collection Information and Parameters	Sample Number >1	>2	>3	>4	>5	>6	>7	>8	>9	>10	>11	>12
				Analyte Detected (values in > mg/kg or µg/L)	MER591	MER592	MER593	MER594	MER595	MET090	MET091					
Solid	A,D	MES	CSC	aluminum	12200	15300	12100	10500	8440	14700	19600					
Solid	A,D	MES	HM	antimony	4.1 JBN											
Solid	A,D	MES	HM	arsenic	3.9	5.3	5.6	3.5	2.9	11.7	8.3					
Solid	A,D	MES	CSC	barium	71.2	86.5	81.6	60	27.8 B	76.3	164					
Solid	A,D	MES	M	beryllium	.3 B	.3	.34 B	.28 B	.24 B	.52 B	.25 B					
Solid	A,D	MES	HM	cadmium	1.1	1.4 B	.76 B	.70 B			.60 B					
Solid	D	MES	CSC	calcium	10700	6930	28900	37500	29900	17300	9870					
Solid	A,D	MES	HM	chromium	110 JN	25.8 JN	47.2 JN	24 JN	14.1 JN	22.3 JN	25.7 JN					
Solid	A,D	MES	HM	cobalt	7.6 JB	6.9 JB	7.1 JB	3.2 JB	6 JB	12.1 J	7.5 JB					
Solid	A,D	MES	HM	copper	37 JN	744 JN	28.8 JN	24.9 JN	17.6 JN	24.3 JN	27.8 JN					
Solid	A,D	MES	HM,CSC	iron	14200	32400	17600	14100	13700	24600	21400					
Solid	A,D	MES	HM	lead	51	39	24	16.3	12.7	18.4	27.1					
Solid	A,D	MES	CSC	magnesium	6410	5110	16800	2220	18700	12000	4820					
Solid	A,D	MES	HM	manganese	266 JN*	283 JN*	348 J	33 JN*	183 JN*	143 JN*	398 JN*					
Liquid	A,D	MES	HM	mercury	.1	.4	.15									
Solid	A,D	MES	HM	nickel	28.9	19.4	28.5	21.4	14.2	27.4	24.7					
Solid	D	MES	CSC	potassium	1470	1830	2360	2050	1400	1390	3740					
Solid	A,D	MES	M	selenium												
Solid	A,D	MES	HM	silver	181	38.2	194	15.8								
Solid	D	MES	CSC	sodium	219 B	40.3 B	79.4	206 B	138 B	108 B	84.3 B					
Solid	A,D	MES	HM	thallium		.4 B	.4 B	.41 B	.63 B	.44 B	.58 B					
Solid	A,D	MES	HM	vanadium	25.1	31.6	27.2	22.3	20.9	42.5	40.7					
Solid	A,D	MES	CSC,HM	zinc	193 JN	2060 JN	152 JN	92.3 JN	46.3 JN	64.3 JN	139 JN					
Solid	A	IOC	IOC	cyanide	8.2		20.5	14.6								

— Not detected.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 7-5-89 7/7/89

SUBJECT: Review of Region V CLP Data
Received for Review on 6/15/89

FROM: Curtis Ross, Director (5SCRL)
Central Regional Laboratory Jay Thelper

TO: Data User: RIT

We have reviewed the data for the following case(s).

SITE NAME: Filmar Recovery System SMO Case No. 11919

EPA Data Set No. SF-6168 No. of Samples: 7 D.U./Activity Numbers TFA1/TFA02

CRL No. 89FN19 807-813

SMO Traffic No. MER 891-895, MET 090-91

CLP Laboratory: Raucks Hrs. Required for Review: 5 + 1/2 LK 6/28/89

Following are our findings:

the laboratory's portion of case 11919 consisted of 7 soil samples analyzed for total metals and cyanide

continued on the next page P. Henley 6-26-89

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications referenced above.
See Data Qualifier sheets and Calibration Outlier forms for flags and additional comments.
( ) Data are preliminary - pending verification by Contractor Laboratory.
See Case Summary above.
( ) Data are unacceptable.

cc: Carla Dempsey, CLP Quality Assurance Officer, Analytical Operations Branch
James Petty, Chief Quality Assurance Research, EMSL, Las Vegas

Laboratory: Laucks Case: 11919

ICP:

Mn data in all samples were flagged "*"; however, the duplicate RPD for Mn (32.5%) was within QC limit for soil (RPD<35%) and the data were not qualified on this basis. Matrix spike %R for Mn (357.2%) exceeded the QC limits and all samples were flagged "N"; Mn data in all samples are estimated (J) due to a high bias.

Matrix spike % Recoveries for Cr (26.0%), Cu (73.5%) and Zn (54.3%) were outside QC limits and all samples were flagged "N"; Cr, Cu, and Zn data in all samples are estimated (J) due to a low bias.

Prep blank for Co (3.58 ug/l) was >IDL; Co data in all samples are estimated (J) due to contamination.

GFAA:

Matrix spike %R for Sb (17.3%) was outside QC limits and all samples were flagged "N". Sb in MER591 is estimated (J) due to a low bias; Sb concentrations in the remaining samples are below IDL and are, therefore, unusable. Analytical spike %R for Sb was outside QC limits in samples MER593 and MET090 and these samples were flagged "W"; this shows interference and Sb data in these samples remain qualified as above.

Analytical spike %R for Se in samples MER591, MER594 and MET091 was outside QC limits and these samples were flagged "W"; Se data in these samples are estimated (UJ) due to interference.

OTHER QUALIFIERS:

All Hg data are acceptable.

Values for sample and duplicate and sample and matrix spike for CN were transcribed to Forms 6 and 5, respectively. All CN data are acceptable.

Date: 6-26-89
Reviewer: P. Hershey P. Hershey

QC EXCEPTION SUMMARY REPORT

CASE # 11919
DATA SET # MER591
LAB Q.C.#
DATE: 6-27-89

SITE Films Recovery System
LAB LACKS
REVIEWED BY P. Hershey

MATRIX:
CONC. :
MATRIX:
CONC. :

WATER SAMPLE SPK.
WATER SAMPLE DUP.
SOIL SAMPLE SPK.
SOIL SAMPLE DUP.

	OVERALL CASE QC									MATRIX SPECIFIC QC						SAMPLE SPECIFIC QC		FIELD QC			REGIONAL QC			OTHER/ COMMENTS
	Holding Time	Cal Blanks	Init Calibr	Contin Calibr	Prep Blk AQ	Prep Blk SOL	ICS %R	LCS % AQ	LCS % SOL	Sol Dup RPD	Sol Spk %R	AQ Dup RPD	AQ Spk %R	Ser Dilu AQ	Ser Dilu SOL	GFAA Dup	GFAA Spike	Blank	Dup RPD	Spike %R	Blank Blank	Blank Spike %R	Spike Sample RPD	
Aluminum																								
Antimony											17.3													
Arsenic																								
Barium																								
Beryllium																								
Cadmium																								
Calcium																								
Chromium											26.0													
Cobalt																								
Copper											73.5													
Iron																								
Lead																								
Magnesium																								
Manganese											357.2													
Mercury																								
Nickel																								
Potassium																								
Selenium																								
Silver																								
Sodium																								
Thallium																								
Tin																								
Vanadium																								
Zinc											54.3													
Cyanide																								

DPO: [ ] ACTION [ ] FYI Region 5

INORGANIC REGIONAL DATA ASSESSMENT SUMMARY

CASE NO. 11919 LABORATORY LAUCKS

SDG NO. MER591 DATA USER FIT

SOW _____ REVIEW COMPLETION DATE 6-27-89

NO. OF SAMPLES _____ WATER 7 SOIL _____ OTHER

REVIEWER [ ] ESD [X] ESAT [ ] OTHER, CONTRACT/CONTRACTOR _____

	ICP	AA	Hg	CYANIDE
1. HOLDING TIMES	O	O	O	O
2. INITIAL CALIBRATIONS	O	O	O	O
3. CONTINUING CALIBRATIONS	O	O	O	O
4. FIELD BLANKS ("F" = not applicable)	F	F	F	F
5. LABORATORY BLANKS	X	O	O	O
6. ICS	O			
7. LCS	O	O		
8. DUPLICATE ANALYSIS	O	O	O	
9. MATRIX SPIKE	M	Z	O	
10. MSA				
11. SERIAL DILUTION	O			
12. SAMPLE VERIFICATION				
13. REGIONAL QC ("F" = not applicable)				
14. OVERALL ASSESSMENT	M	Z	O	O

O = No problems or minor problems that do not affect data usability.
X = No more than *about* 5% of the data points are qualified as either estimated or unusable.
M = More than *about* 5% of the data points are qualified as estimated.
Z = More than *about* 5% of the data points are qualified as unusable.

DPO ACTION ITEMS: _____

AREAS OF CONCERN: _____

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MER591

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-1

Level (low/med): LOW Date Received: 05/10/89

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	4.1	B	N	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	71.2			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	1.1			P
7440-70-2	Calcium	10700			P
7440-47-3	Chromium	110		N	P
7440-48-4	Cobalt	7.6	B		P
7440-50-8	Copper	37.0		N	P
7439-89-6	Iron	14200			P
7439-92-1	Lead	51.0			P
7439-95-4	Magnesium	6410			P
7439-96-5	Manganese	266		N*	P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	28.9			P
7440-09-7	Potassium	1470			P
7782-49-2	Selenium	0.26	U	W	P
7440-22-4	Silver	181			P
7440-23-5	Sodium	219	B		P
7440-28-0	Thallium	0.19	U		P
7440-62-2	Vanadium	25.1			P
7440-66-6	Zinc	193		N	P
	Cyanide	8.2			AS

Color Before: GREY Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts: YES

Comments:
ROCKS, ROOTS, HUSKS, BARKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MER592

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-2

Level (low/med): LOW Date Received: 05/10/89

% Solids: 71.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5300			P
7440-36-0	Antimony	0.91	U	N	F
7440-38-2	Arsenic	5.3			F
7440-39-3	Barium	86.5			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	6930			P
7440-47-3	Chromium	25.8		N	P
7440-48-4	Cobalt	6.9	B		P
7440-50-8	Copper	744		N	P
7439-89-6	Iron	32400			P
7439-92-1	Lead	39.0			F
7439-95-4	Magnesium	5110			P
7439-96-5	Manganese	283		N*	P
7439-97-6	Mercury	0.40			CV
7440-02-0	Nickel	19.4			P
7440-09-7	Potassium	1830			P
7782-49-2	Selenium	1.6	U		F
7440-22-4	Silver	38.2			P
7440-23-5	Sodium	40.3	B		P
7440-28-0	Thallium	0.40	B		F
7440-62-2	Vanadium	31.6			P
7440-66-6	Zinc	2060		N	P
	Cyanide	2.7	U		AS

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts: YES

Comments:
ROCKS, BARK, STICKY

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

MER593

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-3

Level (low/med): LOW Date Received: 05/10/89

% Solids: 81.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	0.88	U	NW	F
7440-38-2	Arsenic	5.6			F
7440-39-3	Barium	81.6			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	0.76	B		P
7440-70-2	Calcium	28900			P
7440-47-3	Chromium	47.2		N	P
7440-48-4	Cobalt	7.1	B		P
7440-50-8	Copper	38.8		N	P
7439-89-6	Iron	17600			P
7439-92-1	Lead	74.0			F
7439-95-4	Magnesium	16800			P
7439-96-5	Manganese	348		N*	P
7439-97-6	Mercury	0.15			CV
7440-02-0	Nickel	28.5			P
7440-09-7	Potassium	2360			P
7782-49-2	Selenium	1.4	U		F
7440-22-4	Silver	194			P
7440-23-5	Sodium	79.4	B		P
7440-28-0	Thallium	0.40	B		F
7440-62-2	Vanadium	27.2			P
7440-66-6	Zinc	152		N	P
	Cyanide	20.5			AS

Color Before: GREY Clarity Before: Texture: COARSE

Color After: BROWN Clarity After: Artifacts: YES

Comments:
ROCKS, ROOTS, SEEDLINGS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MER594

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-4

Level (low/med): LOW Date Received: 05/10/89

% Solids: 75.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	Antimony	0.89	U	N	F
7440-38-2	Arsenic	3.5			F
7440-39-3	Barium	60.0			P
7440-41-7	Beryllium	0.28	B		P
7440-43-9	Cadmium	0.70	B		P
7440-70-2	Calcium	37500			P
7440-47-3	Chromium	24.0		N	P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	24.9		N	P
7439-89-6	Iron	14100			P
7439-92-1	Lead	26.3			F
7439-95-4	Magnesium	22200			P
7439-96-5	Manganese	336		N*	P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	2050			P
7782-49-2	Selenium	1.5	U	W	F
7440-22-4	Silver	5.8			P
7440-23-5	Sodium	206	B		P
7440-28-0	Thallium	0.41	B		F
7440-62-2	Vanadium	22.3			P
7440-66-6	Zinc	92.3		N	P
	Cyanide	14.6			AS

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts: YES

Comments:
ROOTS, PAPERS, ROCKS

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MER595

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-5

Level (low/med): LOW Date Received: 05/10/89

% Solids: 78.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6440			P
7440-36-0	Antimony	0.82	U	N	F
7440-38-2	Arsenic	2.9			F
7440-39-3	Barium	27.8	B		P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.49	U		P
7440-70-2	Calcium	29900			P
7440-47-3	Chromium	14.1		N	P
7440-48-4	Cobalt	6.0	B		P
7440-50-8	Copper	17.6		N	P
7439-89-6	Iron	13700			P
7439-92-1	Lead	12.7			F
7439-95-4	Magnesium	18700			P
7439-96-5	Manganese	183		N*	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	14.2			P
7440-09-7	Potassium	1400			P
7782-49-2	Selenium	1.4	U		F
7440-22-4	Silver	0.64	U		P
7440-23-5	Sodium	138	B		P
7440-28-0	Thallium	0.63	B		F
7440-62-2	Vanadium	20.9			P
7440-66-6	Zinc	46.3		N	P
	Cyanide	2.3	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts: YES

Comments:
ROCKS, ROOTS, STICKY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MET090

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-6

Level (low/med): LOW Date Received: 05/10/89

% Solids: 70.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14700			P
7440-36-0	Antimony	0.99	U	NW	F
7440-38-2	Arsenic	11.7		S	F
7440-39-3	Barium	76.3			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	0.59	U		P
7440-70-2	Calcium	17300			P
7440-47-3	Chromium	22.3		N	P
7440-48-4	Cobalt	12.1			P
7440-50-8	Copper	24.3		N	P
7439-89-6	Iron	24600			P
7439-92-1	Lead	18.4			F
7439-95-4	Magnesium	12000			P
7439-96-5	Manganese	143		N*	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	27.4			P
7440-09-7	Potassium	1390			P
7782-49-2	Selenium	1.7	U		F
7440-22-4	Silver	0.78	U		P
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	0.44	B		F
7440-62-2	Vanadium	42.5			P
7440-66-6	Zinc	64.3		N	F
	Cyanide	2.6	U		AS

Color Before: BROWN Clarity Before: Texture: FINE

Color After: BROWN Clarity After: Artifacts: YES

Comments:
FIBER, STICKY

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MET091

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Lab Sample ID: 16422-7

Level (low/med): LOW Date Received: 05/10/89

% Solids: 67.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19600			P
7440-36-0	Antimony	0.97	U	N	P
7440-38-2	Arsenic	8.3			P
7440-39-3	Barium	164			P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	0.60	B		P
7440-70-2	Calcium	9670			P
7440-47-3	Chromium	25.7		N	P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	27.8		N	P
7439-89-6	Iron	21400			P
7439-92-1	Lead	77.1			P
7439-95-4	Magnesium	4620			P
7439-96-5	Manganese	398		N*	P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	24.7			P
7440-09-7	Potassium	3740			P
7782-49-2	Selenium	1.6	U	W	P
7440-22-4	Silver	0.76	U		P
7440-23-5	Sodium	84.3	B		P
7440-28-0	Thallium	0.58	B		P
7440-62-2	Vanadium	40.7			P
7440-66-6	Zinc	139		N	P
	Cyanide	3.2	U		AS

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts: YES

Comments:
ROOTS, DRIED LEAVES

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

SOW No.: 7/87

EPA Sample No.	Lab Sample ID.
MER591	16422-1
MER591D	16422-1D
MER591S	16422-1S
MER592	16422-2
MER593	16422-3
MER594	16422-4
MER595	16422-5
MET090	16422-6
MET091	16422-7

Were ICP interelement corrections applied? Yes/No NO

Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Lab Manager: Mary Beth Lanza

Date: 06/13/89

U.S. EPA - CLP

3
BLANKS

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	29.5	U	29.5	U	29.5	U			11.161	B	F
Antimony	4.7	U	4.7	U	4.7	U			0.740	U	F
Arsenic	1.9	U	1.9	U	1.9	U			0.380	U	F
Barium	8.5	U	8.5	U	8.5	U			1.700	U	F
Beryllium	0.7	U	0.7	U	0.7	U			-0.168	B	F
Cadmium	2.8	U	2.8	U	2.8	U			0.560	U	F
Calcium	203.0	U	203.0	U	203.0	U			40.600	U	F
Chromium	3.6	U	3.6	U	3.6	U			0.720	U	F
Cobalt	13.4	U	13.4	U	13.4	U			3.573	B	F
Copper	12.0	U	12.0	U	12.0	U			2.400	U	F
Iron	16.9	U	16.9	U	16.9	U			3.380	U	F
Lead	1.0	U	1.0	U					0.200	U	F
Magnesium	206.9	U	206.9	U	206.9	U			41.380	U	F
Manganese	2.5	U	2.5	U	2.5	U			0.500	U	F
Mercury	0.2	U	0.2	U	0.2	U			0.100	U	CV
Nickel	14.9	U	14.9	U	14.9	U			2.980	U	F
Potassium	726.7	U	726.7	U	726.7	U			191.754	B	F
Selenium	1.6	U	1.6	U					0.320	U	F
Silver	-6.8	B	3.7	U	-6.5	B			-0.969	B	F
Sodium	102.6	U	102.6	U	102.6	U			20.520	U	F
Thallium	1.2	U	1.2	U					0.240	U	F
Vanadium	16.1	U	16.1	U	16.1	U			3.220	U	F
Zinc	15.3	U	15.3	U	15.3	U			3.060	U	F
Cyanide	20.0	U	20.0	U	20.0	U			2.000	U	AS

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3
BLANKS

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony	4.7	U	4.7	U							P
Arsenic	1.9	U	1.9	U							P
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium	3.6	U	-4.2	B							P
Cobalt											
Copper	12.0	U	12.0	U							P
Iron											
Lead	1.0	U	1.0	U							P
Magnesium											
Manganese	2.5	U	2.5	U							P
Mercury											
Nickel											
Potassium											
Selenium	1.6	U	1.6	U	1.6	U					P
Silver											
Sodium											
Thallium	1.2	U	1.2	U	1.2	U					P
Vanadium											
Zinc	15.3	U	15.3	U							P
Cyanide											

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3
BLANKS

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead	1.0	U	1.0	U							F
Magnesium											
Manganese											
Mercury											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Thallium											
Vanadium											
Zinc											
Cyanide											

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MER591S

Lab Name: LAUCKS TESTING LABS Contract: 68-W6-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	7.0438	B	4.1343	B	16.8	17.3	N	P
Arsenic	75-125	10.0829		3.8601		6.5	95.7		P
Barium	75-125	409.9882		71.1756		335.7	100.9		P
Beryllium	75-125	8.1833		0.2996	B	8.4	93.9		P
Cadmium	75-125	8.2421		1.0860		8.4	85.2		P
Calcium									NR
Chromium	75-125	118.5462		109.8145		33.6	26.0	N	P
Cobalt	75-125	88.0057		7.5719	B	83.9	95.9		P
Copper	75-125	67.8949		37.0136		42.0	73.5	N	P
Iron									NR
Lead		48.6846		50.9634		3.3	-69.1		P
Magnesium									NR
Manganese	75-125	565.3013		265.5865		83.9	357.2	N	P
Mercury	75-125	0.5210		0.1016		0.5	83.9		CV
Nickel	75-125	105.5162		28.8674		83.9	91.4		P
Potassium									NR
Selenium	75-125	1.2241		0.2576	U	1.6	76.5		P
Silver		181.7190		181.1456		8.4	6.8		P
Sodium									NR
Thallium	75-125	7.7050		0.1932	U	8.2	94.0		P
Vanadium	75-125	102.5919		25.1138		83.9	92.3		P
Zinc	75-125	238.6436		193.0620		83.9	54.3	N	P
Cyanide		16.40		3.24		14.44	91.4		NR

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MER591A

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium		2157.40		663.51		1500.0	99.6		P
Cobalt									NR
Copper		708.40		223.64		500.0	97.0		P
Iron									NR
Lead									NR
Magnesium									NR
Manganese		5068.70		1604.70		3500.0	99.0		P
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc		4052.20		1166.50		2500.0	115.4		P
Cyanide									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MER591D

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.1 % Solids for Duplicate: 87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		12193.9390		11798.5460		3.3		P
Antimony	9.9	4.1343	B	2.6744	B	42.2		P
Arsenic	1.6	3.8601		4.2386		9.3		P
Barium	33.1	71.1756		83.3055		15.7		P
Beryllium	0.8	0.2996	B	0.2317	B	25.6		P
Cadmium	0.8	1.0860		1.2368		13.0		P
Calcium		10671.7860		10765.4620		0.9		P
Chromium		109.8145		118.9040		7.9		P
Cobalt	8.3	7.5719	B	10.1221		28.8		P
Copper		37.0136		36.5403		1.3		P
Iron		14219.2280		14004.7330		1.5		P
Lead		50.9634		46.3912		9.4		P
Magnesium		6410.5195		6453.3854		0.7		P
Manganese		265.5865		368.8122		32.5	*	P
Mercury	0.1	0.1016		0.1149		12.3		CV
Nickel	6.6	28.8674		27.9539		3.2		P
Potassium	827.5	1467.6354		1252.2798		15.8		P
Selenium	0.8	0.2576	U	0.2648	U			P
Silver		181.1456		176.7432		2.5		P
Sodium	827.5	218.9967	B	234.8852	B	7.0		P
Thallium	1.6	0.1932	U	0.2102	B	200.0		P
Vanadium	8.3	25.1138		24.1208		4.0		P
Zinc		193.0620		222.9026		14.3		P
Cyanide		3.24		3.34		3.0		AS

PH 6-26-89

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11
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

ICP ID Number: Plasma2 Date: 04/15/89

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	396.15		200.0	29.5	P
Antimony			60.0		
Arsenic			10.0		
Barium	233.53		200.0	8.5	P
Beryllium	313.11		5.0	0.7	P
Cadmium	214.44		5.0	2.8	P
Calcium	315.89		5000.0	203.0	P
Chromium	267.72		10.0	3.0	P
Cobalt	228.62		50.0	13.4	P
Copper	324.75		25.0	12.0	P
Iron	238.20		100.0	16.9	P
Lead	220.35		5.0	34.5	P
Magnesium	383.23		5000.0	206.3	P
Manganese	257.61		15.0	2.5	P
Mercury			0.2		
Nickel	231.60		40.0	14.9	P
Potassium	766.49		5000.0	726.7	P
Selenium			5.0		
Silver	328.07		10.0	3.7	P
Sodium	589.59		5000.0	102.6	P
Thallium			10.0		
Vanadium	292.40		50.0	16.1	P
Zinc	213.86		20.0	15.3	P

Comments:
1) Status as of April 15, 1989.

U.S. EPA - CLP

11

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0114

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MER591

ICP ID Number: Date: 04/15/89

Flame AA ID Number:

Furnace AA ID Number: 0030

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		
Antimony	217.58	BZ	60.0	4.7	F
Arsenic	189.70	BZ	10.0	1.5	F
Barium			200.0		
Beryllium			5.0		
Cadmium			5.0		
Calcium			5000.0		
Chromium			10.0		
Cobalt			50.0		
Copper			25.0		
Iron			100.0		
Lead	283.31	BZ	5.0	1.0	F
Magnesium			5000.0		
Manganese			15.0		
Mercury			0.2		
Nickel			40.0		
Potassium			5000.0		
Selenium	196.03	BZ	5.0	1.6	F
Silver			10.0		
Sodium			5000.0		
Thallium	276.79	BZ	10.0	1.2	F
Vanadium			50.0		
Zinc			20.0		

Comments:

1) Status as of April 15, 1989.

U.S. EPA - CLP

II

INSTRUMENT DETECTION LIMITS (ug/L)

Lab Name: [illegible] Contract: [illegible]

Lab Code: [illegible] Case No.: 11414 SAS No.: SDG No.: [illegible]

Lab File ID: [illegible] Date: [illegible]

Instrument ID Number: [illegible]

Preparation Number: [illegible]

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		
Antimony			60.0		
Arsenic			10.0		
Barium			200.0		
Beryllium			5.0		
Cadmium			5.0		
Calcium			5000.0		
Chromium			10.0		
Cobalt			50.0		
Copper			25.0		
Iron			100.0		
Lead			5.0		
Magnesium			5000.0		
Manganese			15.0		
Mercury	253.65		0.2	0.2	CV
Nickel			40.0		
Potassium			5000.0		
Selenium			5.0		
Silver			10.0		
Sodium			5000.0		
Thallium			10.0		
Vanadium			50.0		
Zinc			20.0		

Comments:

1) Status as of April 15, 1989.

2) Hg is analyzed by CV as described in SOW 787 using a Perkin-Elmer 5000 AA.

U.S. EPA - CLP

II

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LAUCKS TESTING LABS Contract: 68-W8-0014

Lab Code: LAUCKS Case No.: 11919 SAS No.: SDG No.: MEP591

ICP ID Number: Date: 04/15/89

Flame AA ID Number:

Furnace AA ID Number: 5100

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200.0		
Antimony	217.58	BZ	60.0	1.0	F
Arsenic	193.70	BZ	10.0	1.0	F
Barium			200.0		
Beryllium			5.0		
Cadmium			5.0		
Calcium			5000.0		
Chromium			10.0		
Cobalt			50.0		
Copper			25.0		
Iron			100.0		
Lead	283.31	BZ	5.0	0.8	F
Magnesium			5000.0		
Manganese			15.0		
Mercury			0.2		
Nickel			40.0		
Potassium			5000.0		
Selenium	196.03	BZ	5.0	1.2	F
Silver			10.0		
Sodium			5000.0		
Thallium	276.79	BZ	10.0	1.1	F
Vanadium			50.0		
Zinc			20.0		

Comments:
STATUS AS OF April 15, 1989.

7/18

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: June 27, 1989

6/29/89

SUBJECT: Review of Region V CLP Data
Received for Review on 6-14-89

FROM: Curtis Ross, Director (5SCRL)
Central Regional Laboratory
Dorothy M. May

TO: Data User: Zit

We have reviewed the data for the following case(s).

SITE NAME: Film Recovery Systems SMO Case No. 11919

EPA Data Set No. SF6168 No. of Samples: 7 D.U./Activity Numbers TFA/TFA102

CRL No. 89FN19807-13

SMO Traffic No. ET531-533, EQ255, 256, EAY79, 80

CLP Laboratory: EMSIN Hrs. Required for Review: 8.0
1.0
9.0

Following are our findings:

The following case consist of 7 soil (low level) for full organic analysis. VOA sample EAY80 required reanalysis due to poor internal standard recoveries. Semi-volatile sample EAY79 required reanalysis due to poor surrogate recoveries and samples ET531-ET533 and EQ255 required dilutions due to poor internal standard recoveries. The review narrative and qualifications follow.

Wanda N. Freeman
Weston-Esat
June 23, 1989

( ) Data are acceptable for use.
(✓) Data are acceptable for use with qualifications referenced above.
See Data Qualifier sheets and Calibration Outlier forms for flags and additional comments.
( ) Data are preliminary - pending verification by Contractor Laboratory.
See Case Summary above.
( ) Data are unacceptable.

cc: Carla Dempsey, CLP Quality Assurance Officer, Analytical Operations Branch

DATA QUALIFIERS

Contractor: EMSiN

Case 11919.

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

1. Holding Times –
Volatile soil samples ET531, ET532, ET533, EQ255, EQ256, EAY79, EAY80 and EAY80RE were analyzed within the 10 day holding time for analysis.
Semi-volatile samples ET531-ET533, EQ255-EQ256, EAY79-EAY80, EAY79RE, EQ255DL and ET531DL-ET533DL were extracted within the 10 day holding time for extractions.
Pesticide/PCB soil samples ET531-ET533, EQ255-ET256 and EAY79-EAY80 were extracted within the 10 day holding time for extractions.

2. GC/MS Tuning and GC Performance –
All GC/MS BFB and DFTPP tuning criteria were within the QC limits. The DDT and Endrin breakdown were below 20% and the DDT retention time was above 12 minutes.

3. Calibration –
Volatile and semi-volatile outliers for initial and continuing calibrations are noted on the calibration outlier forms.
Pesticide/PCB %RSD values for aldrin, endrin and DDT analyzed 5/15/89 - 5/16/89 had values 7/10% outside the required limits. The %D for dieldrin had a high value 7/15% outside the required limit. All samples (ET531-ET533, EQ255-EQ256 and EAY79-EAY80) associated with these results should be considered estimated and flagged "J."

Reviewed by: Wanda Jette Freeman

Phone: 353-2960

Date: June 23, 1989

DATA QUALIFIERS

Contractor: EMSIN

Case 11919

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

a. Method Blanks -

Volatile blanks VBIK1 and VBIK2 contained common contaminant acetone and no TIC's were found in these blanks. Blank VBIK3 contained common contaminant acetone and one TIC was found in this blank. Samples associated with each blank are shown on form II VOA. Samples that contain the common contaminant with results (10X less than) the blank level are estimated and flagged "U" for not detected. Annotation flags can be found on sample form I's.

Semi-volatile blank SBIK1 contained TCL compound isophorone and 2 TIC's were found. Samples that contain the TCL compound with results (5X less than) the blank level are flagged "U" for not detected. Annotation flags can be found on sample form I's.

Pesticide/PCB blank PBIK was free of contamination.

b. Surrogate Recoveries -

Volatile and Pesticide/PCB soil fractions surrogate recoveries were all within the QC limits.

Semi-volatile soil surrogate recoveries were within QC limit except sample ET531 had a low value for nitrobenzene-d5 (NBZ) outside the QC limit in the base/neutral fraction.

Reviewed by: Wanda Y. Freeman

Phone: 353-2960

Date: June 23, 1989

DATA QUALIFIERS

Contractor: EMSIN

Case 11919.

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

5. Surrogate Recoveries (continued) -
Samples ET533, EQ255 and EQ255DL had slightly high values outside the QC limit for 2-Fluorobiphenyl (FBP) in the base/neutral fraction. Sample EQ256 had a high value outside the QC limit for 2,4,6-tribromophenol (TBP) in the acid fraction. Therefore, no qualifications are need for the single outliers stated above. Samples EAY79 and ET531DL had slightly high values for NBZ and FBP in the base/neutral fraction and high values for phenol-d6 (PHL) and 2-Fluorophenol (2FP) in the acid fraction. Sample ET533DL had high values for NBZ and FBP in the base/neutral fraction and a high value for PHL in the acid fraction. Therefore, for the noted surrogates in the sample fractions listed above should be considered estimated and flagged "J", sample quantitation limit "UJ".

6. Matrix Spike / Matrix Spike Duplicate -
Volatile soil ET533 MS/MSD were all within the QC limit. The % RPD for toluene was within the QC limit. 1,1-dichloroethene, trichloroethene, benzene and chlorobenzene all had high % RPD values outside the QC limit. The unspiked sample positive results should be considered estimated for 1,1-dichloroethene, trichloroethene, benzene and chlorobenzene.

Reviewed by: Wanda J. Freeman
Phone: 353-2960
Date: June 23, 1989

DATA QUALIFIERS

Contractor: EMSEN

Case 11919

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

6. Matrix Spike/Matrix Spike Duplicate (continued) -
Semi-volatile soil EAY79 MS were all within the QC limit except 2,4-dinitrotoluene had a high value outside the QC limit. The MSD were all within the QC limit except 2-chlorophenol and 2,4-dinitrotoluene had high values outside the QC limit. The % RPD were all within the QC limit. The unspiked sample positive results should be considered estimated for 2-chlorophenol and 2,4-dinitrotoluene.
Pesticide/PCB soil EAY79 MS/MSD were all within the QC limit except dieldrin had very high values outside the QC limit. The % RPD were all within the QC limit. The unspiked sample positive result should be considered estimated for dieldrin.

7. Field Duplicate/Blank -
No field duplicates or blanks were included in this case.

8. Internal Standard Performance -
Volatile internal standards were within the required limits except sample EAY80 had low values for bromochloromethane (BCM), 1,4-difluorobenzene (DFB) and chlorobenzene-d5 (CBZ). Sample ET533MSD had low values for DFB and CBZ. Sample EAY80RE had a low value for CBZ. Therefore, positive results should be considered estimated and flagged "J", sample quantitation limit "UJ". Compounds associated with the internal standards can be found on table 4.

Reviewed by: Wanda Y. Freeman

Phone: 353-2960

Date: June 23, 1989

DATA QUALIFIERS

Contractor: EMSIN

Case 11919

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

8. Internal Standard Performance (continued)
Semi-volatile soil internal standards were within the required limits except samples ET531, ET532, ET533, EQ255 and EAY79 all had low values for acenaphthene-d10 (ANT) and low values for phenanthrene-d10 (PHN). Samples ET532, ET533 and EQ255 had low values for chrysene-d12 (CRY). Sample ET533 had a low value for perylene-d12 (PRY). Therefore, positive results are estimated and flagged "J" sample quantitation limits "UJ". Sample ET532 had a zero value for PRY. Therefore, positive results are estimated and flagged "J" negative results are unusable and flagged "R". Compounds associated with the internal standard can be found on Table 4.

9. Compound Identification -
Volatile, semi-volatile and Pesticide/PCBs fraction for TIC and TCL compounds were properly identified.

10. Compound Quantitation and Reported Detection Limits -
All volatile, semi-volatile and pesticide/PCB fractions were quantitated and calculated correctly.

11. System Performance -
All volatile and semi volatile fractions were consistant and can be verified by the GC/MS tuning criteria. The pesticide/PCBs can be verified by the Endrin and DDT breakdown percentages.

Reviewed by: Wanda J. Fuemar

Phone: 353-2960

Date: June 23, 1989

DATA QUALIFIERS

Contractor: EMSIN

Case 11919

Below is a summary of the out-of-control audits and the possible effect on the data for this case:

12. Additional Problems -

Semi-volatile ET531, ET532, ET533 and EQ255 exceeded the calibration linear range and certain compound were flagged "E". However, upon dilution the internal standards were found within the required range except for ET531DL had a low value for phenanthrene.

Reviewed by: Wanda Nette Freeman

Phone: 353-2960

Date: June 23, 1989

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS # 11919 CONTRACTOR EMSIN

Instrument # 7002	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	4-27-89			5-1-89 10:31											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane															
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride	1.153			2.049	77.6	J									
Acetone	1.053	48.5	J	1.021											
Carbon Disulfide															
1,1-Dichloroethane															
1,1-Dichloroethene															
Trans-1,2-Dichloroethene															
Chloroform															
2-Butanone	.054			.042	29.6	R									
1,2-Dichloroethane															
1,1,1-Trichloroethane															
Carbon Tetrachloride	.679			.651	25.3	J									
Vinyl Acetate															
Bromodichloromethane															
1,2-Dichloropropane															
Trans-1,3-Dichloropropene	.362			.538	48.5	J									
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
Cis-1,3-Dichloropropene															
2-Chloroethylvinylether															
Bromoform															
4-Methyl-2-Pentanone	.890			.602	32.4	J									
Hexanone	.670			.463	30.9	J									
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
m-Xylene															
o/p-Xylene															

AFFECTED SAMPLES:

VBIR1
EQ255
EQ256
EAY79
EAY80

Reviewer's Initials/Date: WA 6/23/89

* These flags should be applied to the analytes on the sample data sheets.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
VOLATILE MSL COMPOUNDS

CASE/SAS # 11919 CONTRACTOR EMSIN

Instrument # 7002	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	5-16-89			5-17-89 10:08			5-16-89 10:04								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane															
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride															
Acetone															
Carbon Disulfide															
1,1-Dichloroethane															
1,1-Dichloroethene															
Trans-1,2-Dichloroethene															
Chloroform															
2-Butanone	.051			.048	11.0	R	.043	20.7	R						
1,2-Dichloroethane															
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate															
Bromodichloromethane															
1,2-Dichloropropane															
Trans-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
cis-1,3-Dichloropropene															
2-Chloroethylvinylether															
Bromoform															
4-Methyl-2-Pentanone	.147			.152	3.4	S	.174								
2-Hexanone															
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
m-Xylene															
o/p-Xylene															

AFFECTED SAMPLES:

VB1K2	VB1K3
ET532	ET533
ET633MS	EA480LE
ET633MSD	ET534

Reviewer's Initials/Date: WMT 6/23/89

* These flags should be applied to the analytes on the sample data sheets.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS
(Page 1)

CASE/SAS # 11919 CONTRACTOR EMSIN

Instrument # 8702	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	6-5-89			6-6-89 10:23			6-7-89 11:22								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(-2-Chloroethyl)Ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl Alcohol															
1,2-Dichlorobenzene															
2-Methylphenol	1.066			1.140			.715	26.9	J						
bis(2-chloroisopropyl)Ether	.402	35.3	J	1.049	160.9	J	.367								
4-Methylphenol															
N-Nitroso-Di-n-Propylamine	.553			.794	43.5	J	.436								
Hexachloroethane															
Nitrobenzene	.269			.391	31.6	J	.256								
Isophorone	.424			.576	35.9	J	.391								
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic Acid	.144			.181	25.4	J	.127								
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	.180			.258	43.5	J	.145								
Dimethyl Phthalate															
Acenaphthylene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol															
Dibenzofuran															

AFFECTED SAMPLES:

SB1K1	ET531DL				
ET531	ET532DL				
ET532	ET533DL				
ET533	EQ255DL				
EQ255	EQ256				
EQ256	EAY79RE				
EAY79					

Reviewer Initials/Date: WM 6/23/89

* These flags should be applied to the analytes on the sample data sheets.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
SEMIVOLATILE MSL COMPOUNDS
Page 2

CASE/SAS # 11919 CONTRACTOR Ensin

Instrument # 8707	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	6/5/89			6/6/89 10:23			6/7/89 11:22								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
2,4-Dinitrotoluene															
2,6-Dinitrotoluene															
Diethylphthalate	.843	32.6	J	1.118	32.7	J	.779								
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-Methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene	.851			.990			.623	26.8	J						
Anthracene	.619			.976			.607	26.5	J						
Di-n-Butylphthalate															
Fluoranthene															
Pyrene	2.058			2.211			1.459	29.1	J						
Butylbenzylphthalate															
Benzo(a)Anthracene															
bis(2-Ethylhexyl)Phthalate															
Chrysene	.927			1.085			.690	25.6	J						
Di-n-Octyl Phthalate															
Benzo(b)Fluoranthene															
Benzo(k)Fluoranthene	.457			1.229	28.4	J	.825								
Benzo(a)Pyrene															
Indeno(1,2,3-cd)Pyrene															
Dibenz(a,h)Anthracene															
Benzo(g,h,i)Perylene															

SEE PAGE 1 FOR AFFECTED SAMPLES.

* These flags should be applied to the analytes on the sample data sheets.

Reviewer's Initials/Date: WJT 6/23/89

8/87

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS
(Page 1)

CASE/SAS # 119/9 CONTRACTOR EMSIN

Instrument # 8702	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	6/8/89			6/9/89 10:51											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(-2-Chloroethyl)Ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl Alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-chloroisopropyl)Ether															
4-Methylphenol															
N-Nitroso-Di-n-Propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic Acid	.189	36.4	J	.24											
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															
Dimethyl Phthalate															
Acenaphthylene															
3-Nitroaniline															
Acenaphthene															
2,4-Dinitrophenol															
4-Nitrophenol															
Dibenzofuran															

AFFECTED SAMPLES:

EAY79MS
EAY 79 MSD
EAY80

Reviewer Initials/Date: WLP 6/23/89

* These flags should be applied to the analytes on the sample data sheets.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS
Page 2

CASE/SAS # 11919 CONTRACTOR FEMSIN

Instrument # 8707	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	6/8/89			6/9/89 10:51											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
2,4-Dinitrotoluene															
2,6-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline															
4,6-Dinitro-2-Methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-Butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
Benzo(a)Anthracene															
bis(2-Ethylhexyl)Phthalate															
Chrysene															
Di-n-Octyl Phthalate															
Benzo(b)Fluoranthene															
Benzo(k)Fluoranthene															
Benzo(a)Pyrene															
Indeno(1,2,3-cd)Pyrene															
Dibenz(a,h)Anthracene															
Benzo(g,h,i)Perylene															

SEE PAGE 1 FOR AFFECTED SAMPLES.

* These flags should be applied to the analytes on the sample data sheets.

Reviewer's Initials/Date: WMT 6/23/89

For reporting results to the USEPA, the following contract specific qualifiers are to be used. The seven qualifiers defined below are not subject to modification by the laboratory. Up to five qualifiers may be reported on Form I for each compound.

The seven EPA-defined qualifiers to be used are as follows:

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(330\ U)}{D} \times df \qquad \text{where } D = \frac{100 - \%\ moisture}{100}$$

and df = dilution factor

$$\text{at 24\% moisture, } D = \frac{100-24}{100} = 0.76$$

$$\frac{(330\ U)}{.76} \times 10 = 4300\ U$$ rounded to the appropriate number of significant figures

For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by 2, to account for the fact that only half of the extract is recovered.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the U flag, so that if a sample with 24% moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/L and a sample quantitation limit of 430 ug/kg, report the concentration as 300J on Form I.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides $\geq$10 ng/ul in the final extract shall be confirmed by GC/MS.

GENERAL DATA QUALIFIERS

For reporting results to the USEPA, the following contract specific qualifiers are to be used. The seven qualifiers defined below are not subject to modification by the laboratory. Up to five qualifiers may be reported on Form I for each compound.

The seven EPA-defined qualifiers to be used are as follows:

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(330\ U)}{D} \times df \qquad \text{where } D = \frac{100 - \%\ \text{moisture}}{100}$$

and df = dilution factor

at 24% moisture, $D = \frac{100-24}{100} = 0.76$

$$\frac{(330\ U)}{.76} \times 10 = 4300\ U$$ rounded to the appropriate number of significant figures

For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by 2, to account for the fact that only half of the extract is recovered.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the U flag, so that if a sample with 24% moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/L and a sample quantitation limit of 430 ug/kg, report the concentration as 300J on Form I.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract shall be confirmed by GC/MS.

*TABLE 4

VOLATILE INTERNAL STANDARDS WITH CORRESPONING TCL ANALYTES ASSIGNED FOR QUANTITATION

Bromochloromethane	1,4-Difluorobenzene	Chlorobenzene-d_5
Chloromethane	2- Butanone	2-Hexanone
Bromomethane	1,1,1-Trichloroethane	4-Methyl-2-Pentanone
*Vinyl Chloride	Carbon Tetrachloride	Tetrachloroethene
Chloroethane	Vinyl Acetate	1,1,2,2-Tetrachloroethane
Methylene Chloride	Bromodichloromethane	*Toluene
Acetone	*1,2-Dichloropropane	Chlorobenzene
Carbon Disulfide	trans-1,3-Dichloropropane	*Ethylbenzene
*1,1-Dichloroethene	Trichloroethene	Styrene
1,1-Dichloroethane	Dibromochloromethane	Xylene (total)
1,2-Dichloroethene (total)	1,1,2-Trichloroethane	Bromofluorobenzene (surr)
*Chloroform	Benzene	Toluene-d_8 (surr)
1,2-Dichloroethane	cis-1,3-Dichloropropene	
1,2-Dichloroethane-d_4 (surr)	Bromoform	

(surr) = surrogate compound
*Calibration check compounds

EMIVOLATILE INTERNAL STANDARDS WITH CORRESPONDING TCL ANALYTES ASSIGNED FOR QUANTITATION

4-Dichlorobenzene-d_4	Naphthalene-d_8	Acenaphthene-d_{10}	Phenanthrene-d_{10}	Chrysene-d_{12}
enol	Nitrobenzene	Hexachlorocyclopentadiene	4,6-Dinitro-2-methylphenol	Pyrene
s(2-Chloroethyl) ther	Isophorone	2,4,6-Trichlorophenol	N-nitrosodiphenylamine	Butylbenzyl Phthalate
Chlorophenol	2-Nitrophenol	2,4,5-Trichlorophenol	1,2-Diphenylhydrazine	3,3'-Dichlorobenzidine
3-Dichlorobenzene	2,4-Dimethylphenol	2-Chloronaphthalene	4-Bromophenyl Phenyl Ether	Benzo(a)anthracene
4-Dichlorobenzene	Benzoic acid	2-Nitroaniline	Hexachlorobenzene	bis(2-ethylhexyl Phthalate
nzy' 'lcohol	bis(2-Chloroethoxy)methane	Dimethyl Phthalate	Pentachlorophenol	Chrysene
2-D[illegible]lorobenzene	2,4-Dichlorophenol	Acenaphthylene	Phenanthrene	Terphenyl-d_{14} (surr)
Methylphenol	1,2,4-Trichlorobenzene	3-Nitroaniline	Anthracene	
s(2-Chloroisopropyl)ether	Naphthalene	Acenaphthene	Di-n-butyl Phthalate	
Methylphenol	4-Chloroaniline	2,4-Dinitrophenol	Fluoranthene	
nitroso-Di-n-ropylamine	Hexachlorobutadiene	4-Nitrophenol		
xachloroethane	4-Chloro-3-methylphenol	Dibenzofuran		
Fluorophenol	2-Methylnaphthalene	2,4-Dinitrotoluene		
surr)	Nitrobenzene-d_5 (surr)	2,6-Dinitrotoluene		
enol-d_6 (surr)		Diethyl Phthalate		
		4-Chlorophenyl-phenyl ether		
		Fluorene		
		4-Nitroaniline		
		2-Fluorobiphenyl (surr)		
		2,4,6-Tribromo Phenol (surr)		

Perylene-d_{12}
Di-n-octyl Phthalate
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene
Indeno(1,2,3-cd) pyrene
Dibenz(a,h) anthracene
Benzo(g,h,i) perylene

rr = surrogate compound

MAY 22 1989

SUPERFUND 6168

SAMPLE DATE: 5/9/89
LOG IN DATE: 5/31/89
DUE DATE: 7/18/89

CENTRAL REGIONAL LABORATORY SAMPLE DATA REPORT
ORGANICS/INORGANICS

THIS FORM IS TO BE USED FOR SAMPLES SENT TO CONTRACT ONLY

CASE NUMBER/SAS No. 11919 SITE NAME Film Recovery Systems LABORATORY EMSIN/LAUCKS DATE SHIPPED 5/9/89

SUPERFUND DU NUMBER TFA102 EPA RPM or OSC (S.M.S.)/(CES) _____ CERCLIS NUMBER ILD980896757 PAGE 1 OF 1

ACTIVITY NUMBER ZZ

CRL LOG NUMBER	ORGANIC TRAFFIC REPORT NUMBER or SAS Packing List No.	INORGANIC TRAFFIC REPORT NUMBER	WATER OR LIQUIDS												SEDIMENTS or SOILS										
			ACID-BASE NEUTRAL CPDS ORGANIC SCAN UG/L TOX17574	VOLATILE ORGANIC ANALYSIS ORGANIC SCAN UG/L TOX17564	WATER POLYCHLORINATED BIPHENYLS UG/L PES17164	WATER CHLORINATED PESTICIDES UG/L PES17134	TOTAL METALS IN WATER UG/L MET111	WATER CYANIDE UG/L MIN74918	NITRATE/NITRITE MG/L MIN7284	AMMONIA MG/L MIN7294	RESIDUE, FILTERABLE TDS MG/L MIN7362	RESIDUE, NON-FILT TSS MG/L MIN7372			ACID-BASE NEUTRAL CPDS ORGANIC SCAN MG/KG TOX215722	VOLATILE ORGANIC ANALYSIS ORGANIC SCAN MG/KG TOX215422	SEDIMENTS POLYCHLORINATED BIPHENYLS MG/KG PES211422	SEDIMENT CHLORINATED PESTICIDES MG/KG 211322	TOTAL METALS MG/KG MET413	CYANIDE MG/KG MIN44930	EP TOXICITY METALS MG/KG	AMMONIA MG/KG MIN42925				
89FN19S07	ET 531	MER 591													✓	✓	✓	✓	✓	✓					
S08	532	592													✓	✓	✓	✓	✓	✓					
S09	ET 533	593													✓	✓	✓	✓	✓	✓					
S10	EQ 255	594													✓	✓	✓	✓	✓	✓					
S11	EQ 256	MER 595													✓	✓	✓	✓	✓	✓					
S12	EAY 79	MET 090													✓	✓	✓	✓	✓	✓					
89FN19S13	EAY 80	MET 091													✓	✓	✓	✓	✓	✓					

USEPA CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
P.O. BOX 818 ALEXANDRIA, VA 22313
703/557-2490 FTS-557-2490

CASE NO: 1919

SAS NO: (IF APPLICABLE)

ORGANIC TRAFFIC REPORT

(FOR CLP USE ONLY)

TYPE OF ACTIVITY (CIRCLE ONE) ①
SUPERFUND—PA SI ESI RIFS RD RA ER NPLD O&M OTHER _____
NON-SUPERFUND—_____ PROGRAM

SAMPLE DESCRIPTION
(ENTER IN BOX A)
1. SURFACE WATER
2. GROUND WATER
3. LEACHATE
4. SOIL
5. SEDIMENT
6. OIL (SAS)
7. WASTE (SAS)

REGION NO: SAMPLING COMPANY ②

SAMPLER: (NAME)

SHIP TO: ③
ELMS (LABORATORIES)
ATTN:

SAMPLING DATE: ④
BEGIN: END:

DATE SHIPPED: CARRIER: ⑤

AIRBILL NO:

DATE REC'D: 5/10/89 SDG NO: ⑥ EAY79
REC'D BY:
LABORATORY CONTRACT NO. UNIT PRICE
68-48-0044

TRANSFER TO: DATE REC'D: ⑦
REC'D BY: CONTRACT NO./PRICE:

CLP SAMPLE NUMBER (FROM LABELS)	Ⓐ SAMPLE DESCRIPTION (FROM BOX 1) 1 2 3 4 5 6 7	Ⓑ CONCENTRATION L = LOW/MED H = HIGH (SAS)	Ⓒ RAS ANALYSIS: VOLATILE	BASE/NEUT /ACID	PESTICIDE /PCB's		Ⓓ SPECIAL HANDLING	Ⓔ STATION LOCATION	Ⓕ SAMPLE CONDITION ON RECEIPT	Ⓖ HIGH CONC. PHASES (CHECK): SOLID	WATER—MIS LIQUID	NON WATER—MIS LIQUID
ET 531	4								INTACT			
ET 532	4								INTACT			
ET 533	4								INTACT			
EQ 255	5	L							INTACT			
EQ 256	5								INTACT			
EAY 79	5								INTACT			
EAY 80	4								INTACT			

EPA Form 2075-7 (8-87)

WHITE — SMO COPY PINK — CLIENT COPY WHITE — LAB COPY FOR RETURN TO SMO YELLOW — LAB COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET531 51

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0593D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	10.	
67-64-1	Acetone	30.	~~B~~ U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	J
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	30.	

WH 6/23/89

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET531

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0593D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	27.73	50.	J
2.	- -	UNKNOWN	28.92	30.	J
3.	- -	UNKNOWN	29.35	30.	J
4.	- -	UNKNOWN	31.40	40.	J
5.	- -	UNKNOWN	32.92	80.	J
6.	98-82-8	BENZENE, (1-METHYLETHYL)-	36.26	400.	J
7.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	37.24	300.	J
8.					
9.					
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FORM I VOA-TIC 1/87 Rev.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET532 S2

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0564D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/17/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	7.	
67-64-1	Acetone	12000.	B E
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	34.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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JE 7/19/89

Table 4-> 1
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED >Soil SAMPLES

2070-13				Sample Collection Information and Parameters	Sample Number											
Physical State*	Waste Characteristics**	Category***	SI Memo		>S1	>S2	>S3	>S4	>S5	>S6	>S7	>_8	>_9	>_10	>_11	>_12
				Date												
				Time												
				Organic Traffic Report Number	ET531	ET532	ET533	EQ255	EQ256	EAY79	EAY80					
				Inorganic Traffic Report Number												
				Temperature (°C)												
				Specific Conductivity (µmhos)												
				pH												
				Compound Detected (values in > µg/L or µg/kg)												
				Volatile Organics												
Gas	A,D,G,I	OCC	HH	chloromethane												
Gas	A,D,G,I	OCC	HH	bromomethane												
Gas	A,D,G,I	OCC	HH	vinyl chloride												
Gas	A,D,G,I	OCC	HH	chloroethane												
Liquid	A,D,H,I	SOL	HH,CLA	methylene chloride	10	7										
Liquid	E,H,I,A	SOL	K,CLA	acetone		12000 BE	18				23					
Liquid	A,H,I	SOL	SH	carbon disulfide												
Liquid	A,D,G,I	SOL	HH	1,1-dichloroethene												
Liquid	A,D,H,G	SOL	HH	1,1-dichloroethane						8						
Liquid	A,D,G	SOL	HH	1,2-dichloroethene (total)												
Liquid	A,D	SOL	HH	chloroform												
Liquid	A,D,G	SOL	HH	1,2-dichloroethane												
Liquid	A,E,G	SOL	K,CLA	2-butanone (MEK)		34 J										
Liquid	A,D	SOL	HH	1,1,1-trichloroethane												
Liquid	A,D	SOL	HH	carbon tetrachloride												
Liquid	A,D,G	SOL	HYD	vinyl acetate												
Liquid	A,D	OCC	HH	bromodichloromethane												
Liquid	A,D,G	SOL	HH	1,2-dichloropropane												
Liquid	A,D,G	SOL	HH	cis-1,3-dichloropropene												
Liquid	A,D,G,B	SOL	HH	trichloroethene	5 J		8				10					
Liquid	A,D	OCC	HH	dibromochloromethane												
Liquid	A,D	SOL	HH	1,1,2-trichloroethane												
Liquid	A,G	SOL	A	benzene												
Liquid	A,D,G	SOL	HH	trans-1,3-dichloropropene												
Liquid	A,D	SOL	HH,CLA	bromoform												
Liquid	A,E,G	SOL	K,CLA	4-methyl-2-pentanone												
Liquid	A,E,G	SOL	K	2-hexanone												
Liquid	A,D	SOL	HH	tetrachloroethene												
Liquid	A,G,E	SOL	A,CLA	toluene												
Liquid	A,D,E	SOL	HH	1,1,2,2-tetrachloroethane							4 J					
Liquid	A,D,G	SOL	HA	chlorobenzene				21								
Liquid	A,G	SOL	A	ethylbenzene							5					
Liquid	A,D,G	OCC	A	styrene												
Liquid	A,G	SOL	A	xylenes (total)	30						12					

Table 4-> Cont.

Physical State*	Waste Characteristics**	Category***	SI Memo	Sample Collection Information and Parameters	Sample Number >_1	>_2	>_3	>_4	>_5	>_6	>_7	>_8	>_9	>_10	>_11	>_12
				Semivolatile Organics, Cont.												
Solid	A,D	OCC	PAH	anthracene			2000 JD	1800 JD	450 J							
Liquid	A,D	OCC	PH,CLA	di-n-butylphthalate												
Solid	A,D	OCC	PAH	fluoranthene	9300 D		21000 D	12000 D	3200	390 J						
Solid	A,D	OCC	PAH	pyrene	4600 JD	590 JD	12000 JD	7500 JD	1800 J							
Liquid	A,D	OCC	PH,CLA	butylbenzylphthalate		42000 D										
	A,D	OCC	HA	3,3'-dichlorobenzidine												
Solid	A,D	OCC	PAH	benzo[a]anthracene	3400 D		7800 D	4900 D	1200							
Solid	A,D	OCC	PAH	chrysene	4200 D		9600 D	6500 D	1300							
Liquid	A,D	OCC	PH,CLA	bis(2-ethylhexyl)phthalate	19000 D	140000 D	1800 JD	7400 D	500	260 J						
Liquid	A,D	OCC	PH,CLA	di-n-octylphthalate												
Solid	A,D	OCC	PAH	benzo[b]fluoranthene	3600 D		8000 D	4500 D	1200							
Solid	A,D	OCC	PAH	benzo[k]fluoranthene	1900 JD		5100 JD	3700 JD	490 J							
Solid	A,D,K,L	OCC	PAH	benzo[a]pyrene	2800 D		7500 D	4900 D	1000							
Solid	A,D	OCC	PAH	indeno[1,2,3-cd]pyrene	2700 D		6200 D	4100 D	740							
Solid	A,D	OCC	PAH	dibenzo[a,h]anthracene			1200 JD	910 JD								
Solid	A,D	OCC	PAH	benzo[g,h,i]perylene	2600 D		5600 D	3700 D	620							
				Pesticides/PCBs												
Solid	A,D	PSD	PEST	alpha BHC												
Solid	A,D	PSD	PEST	beta BHC												
Solid	A,D	PSD	PEST	delta BHC												
Solid	A,D	PSD	PEST	gamma BHC (Lindane)												
Solid	A,D	PSD	PEST	Heptachlor												
Solid	A,D	PSD	PEST	Aldrin												
Solid	A,D	PSD	PEST	Heptachlor epoxide												
Solid	A,D	PSD	PEST	Endosulfan I												
Solid	A,D,E	PSD	PEST	Dieldrin												
Solid	A,D	PSD	PEST	4,4'-DDE							12 J					
Solid	A,D	PSD	PEST	Endrin			89 J									
Solid	A,D	PSD	PEST	Endosulfan II												
Solid	A,D	PSD	PEST	4,4'-DDD				59 J								
Solid	A,D	PSD	PEST	Endosulfan sulfate												
Solid	A,D	PSD	PEST	4,4'-DDT			120	20 J			20 J					
Solid	A,D	PSD	PEST	Methoxychlor (Mariate)												
Solid	A,D	PSD	PEST	Endrin ketone												
Solid	A,D	PSD	PEST	alpha Chlordane												
Solid	A,D	PSD	PEST	gamma Chlordane												
Solid	A,D	PSD	PEST	Toxaphene												
Liquid	A,D	OCC	PCB	Aroclor 1016												
Liquid	A,D	OCC	PCB	Aroclor 1221												
Liquid	A,D	OCC	PCB	Aroclor 1232												
Liquid	A,D	OCC	PCB	Aroclor 1242												
Liquid	A,D	OCC	PCB	Aroclor 1248												
Liquid	A,D	OCC	PCB	Aroclor 1254												
Liquid	A,D	OCC	PCB	Aroclor 1260												

Table 4-> Cont.

2070-13				Sample Collection Information and Parameters	Sample Number											
Physical State*	Waste CHARACTERISTICS	CATEGORY**	SI Memo		>_1	>_2	>_3	>_4	>_5	>_6	>_7	>_8	>_9	>_10	>_11	>_12
				Semivolatile Organics												
S, thick liquid	A,B,E	OCC	P	phenol												
Liquid	A,D,B	OCC	HH	bis(2-chloroethyl)ether												
Liquid	A,D,B	OCC	P	2-chlorophenol												
Liquid	A,D,N	SOL	HA	1,3-dichlorobenzene												
Solid	A,D,N	OCC	HA	1,4-dichlorobenzene												
Liquid	A,D,N	SOL	A	benzyl alcohol						280 J						
Liquid	A,D,N	OCC	HA	1,2-dichlorobenzene												
Liquid	A,B	OCC	P	2-methylphenol												
	A,D	OCC	HH	bis(2-chloroisopropyl)ether												
Liquid	A,B	OCC	P	4-methylphenol												
	A	OCC	N-Amine	n-nitroso-di-n-dipropylamine												
Solid	A,D	OCC	HH	hexachloroethane												
Liquid	A,D	OCC	HA	nitrobenzene												
Liquid	A,D	OCC	N	isophorone	1900 J											
Solid	A,D	OCC	P	2-nitrophenol												
Solid	A,B	OCC	P	2,4-dimethylphenol												
Solid	A	OCC	A	benzoic acid												
	A,D	OCC	HH	bis(2-chloroethoxy)methane												
Liquid	A,D	OCC	P	2,4-dichlorophenol												
Liquid	A,D	OCC	HA	1,2,4-trichlorobenzene												
Solid	A	OCC	PAH	naphthalene												
Solid	A,D	OCC	HH	4-chloroaniline												
Liquid	A,D,B	OCC	HH	hexachlorobutadiene												
Solid	A,D	OCC	P	4-chloro-3-methylphenol												
Liquid	A,D	OCC	PAH	2-methylnaphthalene												
Liquid	A,D,B	OCC	HH	hexachlorocyclopentadiene												
Solid	A,D	OCC	P	2,4,6-trichlorophenol												
Solid	A,D	OCC	P	2,4,5-trichlorophenol												
Liquid	A,D	OCC	PAH	2-chloronaphthalene												
Solid	A,D	OCC	HH	2-nitroaniline												
Liquid	A,D	OCC	PH,CLA	dimethylphthalate												
Solid	A,D	OCC	PAH	acenaphthylene												
Solid	A,D	OCC	HA	2,6-dinitrotoluene												
Solid	A,D	OCC	HH	3-nitroaniline												
Solid	A,D	OCC	PAH	acenaphthene					260 J							
Solid	A,D,G	OCC	P	2,4-dinitrophenol												
Solid	A,D	OCC	P	4-nitrophenol												
Solid	A,D	OCC	A	dibenzofuran					140 J							
Solid	A,D	OCC	HA	2,4-dinitrotoluene												
Liquid	A,D	OCC	PH	diethylphthalate												
	A,D	OCC	HH	4-chlorophenyl-phenylether												
Solid	A,D	OCC	PAH	fluorene					230 J							
Solid	A,D,E	OCC	HH	4-nitroaniline												
Solid	A,D	OCC	P	4,6-dinitro-2-methylphenol												
Solid	A,D	OCC	HH	n-nitrosodiphenylamine												
Liquid	A,D	OCC	HH	4-bromophenyl-phenylether												
Solid	A,D	OCC	HA	hexachlorobenzene												
Solid	A,D	OCC	P	pentachlorophenol												
Solid	A,D	OCC	PAH	phenanthrene	3000 JD		11000 JD		2600 J							

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET532

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0564D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/17/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	2-PROPANOL	9.95	2000.	J
2.	67-63-0	2-PROPANOL	10.41	0.	J
3.	- -	UNKNOWN	22.18	5.	J
4.	- -	UNKNOWN	33.62	20.	J
5.	- -	UNKNOWN	34.81	8.	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
[illegible]					
[illegible]					
18.					
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30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET533 S3

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0589D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	18.	
67-64-1	Acetone	30.	BU
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	8.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

WJA 6/23/89

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET533

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0589D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	2.51	30.	JB
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ255 S4

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0485D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	27.	BU
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	21.	
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

W.H. 6/23/89

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQ255

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0485D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	31.45	6.	J
2.	95-50-1	BENZENE, 1,2-DICHLORO-	35.77	9.	J
3.	106-46-7	BENZENE, 1,4-DICHLORO-	36.42	6.	J
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5.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ256 55

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0486D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	35.	~~B~~ u
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

wmf 6/23/89

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQ256

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0486D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	31.57	10.	J
2.	- -	UNKNOWN	34.81	5.	J
3.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY79 S6

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0487D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	25.	~~B~~ U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	8.	
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAY79

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0487D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. - -	UNKNOWN	8.63	5.	J
2. - -	UNKNOWN	28.81	10.	J
3. - -	UNKNOWN	33.24	7.	J
4. - -	UNKNOWN	34.86	10.	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY80 RE

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0590D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	23.	
67-64-1	Acetone	65.	~~B~~ U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	10.	
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	4.	J
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	12.	

10/17 6/23/89

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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAY80 RE

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0590D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	2.55	20.	JB
2.	- -	UNKNOWN	31.59	10.	J
3.					
4.					
5.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY80 S7

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0488D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	
67-64-1	Acetone	26.	B
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	11.	

6/23/89

FORM I VOA 1/87 Rev.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAY80

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0488D

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	22.07	5.	J
2.	- -	UNKNOWN	23.37	10.	J
3.	- -	UNKNOWN	27.04	30.	J
4.	- -	UNKNOWN HYDROCARBON	28.77	70.	J
5.	- -	UNKNOWN	31.57	20.	J
6.					
7.					
8.					
9.					
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FORM I VOA-TIC 1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY79

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4356B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450.	U
111-44-4	bis(2-chloroethyl)ether	450.	U
95-57-8	2-Chlorophenol	450.	U
541-73-1	1,3-Dichlorobenzene	450.	U
106-46-7	1,4-Dichlorobenzene	450.	U
100-51-6	Benzyl alcohol	280.	J
95-50-1	1,2-Dichlorobenzene	450.	U
95-48-7	2-Methylphenol	450.	U
108-60-1	bis(2-chloroisopropyl)ether	450.	U
106-44-5	4-Methylphenol	450.	U
621-64-7	N-Nitroso-di-n-propylamine	450.	U
67-72-1	Hexachloroethane	450.	U
98-95-3	Nitrobenzene	450.	U
78-59-1	Isophorone	1000.	~~B~~ U
88-75-5	2-Nitrophenol	450.	U
105-67-9	2,4-Dimethylphenol	450.	U
65-85-0	Benzoic acid	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	450.	U
120-83-2	2,4-Dichlorophenol	450.	U
120-82-1	1,2,4-Trichlorobenzene	450.	U
91-20-3	Naphthalene	450.	U
106-47-8	4-Chloroaniline	450.	U
87-68-3	Hexachlorobutadiene	450.	U
59-50-7	4-Chloro-3-methylphenol	450.	U
91-57-6	2-Methylnaphthalene	450.	U
77-47-4	Hexachlorocyclopentadiene	450.	U
88-06-2	2,4,6-Trichlorophenol	450.	U
95-95-4	2,4,5-Trichlorophenol	2300.	U
91-58-7	2-Chloronaphthalene	450.	U
88-74-4	2-Nitroaniline	2300.	U
131-11-3	Dimethylphthalate	450.	U
208-96-8	Acenaphthylene	450.	U
606-20-2	2,6-Dinitrotoluene	450.	U

LWM 6/23/89

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY80

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4396B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 34. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/89

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510.	U
111-44-4	bis(2-chloroethyl)ether	510.	U
95-57-8	2-Chlorophenol	510.	U
541-73-1	1,3-Dichlorobenzene	510.	U
106-46-7	1,4-Dichlorobenzene	510.	U
100-51-6	Benzyl alcohol	510.	U
95-50-1	1,2-Dichlorobenzene	510.	U
95-48-7	2-Methylphenol	510.	U
108-60-1	bis(2-chloroisopropyl)ether	510.	U
106-44-5	4-Methylphenol	510.	U
621-64-7	N-Nitroso-di-n-propylamine	510.	U
67-72-1	Hexachloroethane	510.	U
98-95-3	Nitrobenzene	510.	U
78-59-1	Isophorone	870.	~~J~~ U
88-75-5	2-Nitrophenol	510.	U
105-67-9	2,4-Dimethylphenol	510.	U
65-85-0	Benzoic acid	2500.	U
111-91-1	bis(2-Chloroethoxy)methane	510.	U
120-83-2	2,4-Dichlorophenol	510.	U
120-82-1	1,2,4-Trichlorobenzene	510.	U
91-20-3	Naphthalene	510.	U
106-47-8	4-Chloroaniline	510.	U
87-68-3	Hexachlorobutadiene	510.	U
59-50-7	4-Chloro-3-methylphenol	510.	U
91-57-6	2-Methylnaphthalene	510.	U
77-47-4	Hexachlorocyclopentadiene	510.	U
88-06-2	2,4,6-Trichlorophenol	510.	U
95-95-4	2,4,5-Trichlorophenol	2500.	U
91-58-7	2-Chloronaphthalene	510.	U
88-74-4	2-Nitroaniline	2500.	U
131-11-3	Dimethylphthalate	510.	U
208-96-8	Acenaphthylene	510.	U
606-20-2	2,6-Dinitrotoluene	510.	U

WRT 6/23/89

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ255 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4364B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2300.	U
111-44-4	bis(2-chloroethyl)ether	2300.	U
95-57-8	2-Chlorophenol	2300.	U
541-73-1	1,3-Dichlorobenzene	2300.	U
106-46-7	1,4-Dichlorobenzene	2300.	U
100-51-6	Benzyl alcohol	2300.	U
95-50-1	1,2-Dichlorobenzene	2300.	U
95-48-7	2-Methylphenol	2300.	U
108-60-1	bis(2-chloroisopropyl)ether	2300.	U
106-44-5	4-Methylphenol	2300.	U
621-64-7	N-Nitroso-di-n-propylamine	2300.	U
67-72-1	Hexachloroethane	2300.	U
98-95-3	Nitrobenzene	2300.	U
78-59-1	Isophorone	2300.	U
88-75-5	2-Nitrophenol	2300.	U
105-67-9	2,4-Dimethylphenol	2300.	U
65-85-0	Benzoic acid	11000.	U
111-91-1	bis(2-Chloroethoxy)methane	2300.	U
120-83-2	2,4-Dichlorophenol	2300.	U
120-82-1	1,2,4-Trichlorobenzene	2300.	U
91-20-3	Naphthalene	2300.	U
106-47-8	4-Chloroaniline	2300.	U
87-68-3	Hexachlorobutadiene	2300.	U
59-50-7	4-Chloro-3-methylphenol	2300.	U
91-57-6	2-Methylnaphthalene	2300.	U
77-47-4	Hexachlorocyclopentadiene	2300.	U
88-06-2	2,4,6-Trichlorophenol	2300.	U
95-95-4	2,4,5-Trichlorophenol	11000.	U
91-58-7	2-Chloronaphthalene	2300.	U
88-74-4	2-Nitroaniline	11000.	U
131-11-3	Dimethylphthalate	2300.	U
208-96-8	Acenaphthylene	2300.	U
606-20-2	2,6-Dinitrotoluene	2300.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ256

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4365B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430.	U
111-44-4	bis(2-chloroethyl)ether	430.	U
95-57-8	2-Chlorophenol	430.	U
541-73-1	1,3-Dichlorobenzene	430.	U
106-46-7	1,4-Dichlorobenzene	430.	U
100-51-6	Benzyl alcohol	430.	U
95-50-1	1,2-Dichlorobenzene	430.	U
95-48-7	2-Methylphenol	430.	U
108-60-1	bis(2-chloroisopropyl)ether	430.	U
106-44-5	4-Methylphenol	430.	U
621-64-7	N-Nitroso-di-n-propylamine	430.	U
67-72-1	Hexachloroethane	430.	U
98-95-3	Nitrobenzene	430.	U
78-59-1	Isophorone	790.	BU
88-75-5	2-Nitrophenol	430.	U
105-67-9	2,4-Dimethylphenol	430.	U
65-85-0	Benzoic acid	2200.	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U
120-83-2	2,4-Dichlorophenol	430.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U
91-20-3	Naphthalene	430.	U
106-47-8	4-Chloroaniline	430.	U
87-68-3	Hexachlorobutadiene	430.	U
59-50-7	4-Chloro-3-methylphenol	430.	U
91-57-6	2-Methylnaphthalene	430.	U
77-47-4	Hexachlorocyclopentadiene	430.	U
88-06-2	2,4,6-Trichlorophenol	430.	U
95-95-4	2,4,5-Trichlorophenol	2200.	U
91-58-7	2-Chloronaphthalene	430.	U
88-74-4	2-Nitroaniline	2200.	U
131-11-3	Dimethylphthalate	430.	U
208-96-8	Acenaphthylene	430.	U
606-20-2	2,6-Dinitrotoluene	430.	U

WT 6/23/89

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET531 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4361B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1900.	U
111-44-4	bis(2-chloroethyl)ether	1900.	U
95-57-8	2-Chlorophenol	1900.	U
541-73-1	1,3-Dichlorobenzene	1900.	U
106-46-7	1,4-Dichlorobenzene	1900.	U
100-51-6	Benzyl alcohol	1900.	U
95-50-1	1,2-Dichlorobenzene	1900.	U
95-48-7	2-Methylphenol	1900.	U
108-60-1	bis(2-chloroisopropyl)ether	1900.	U
106-44-5	4-Methylphenol	1900.	U
621-64-7	N-Nitroso-di-n-propylamine	1900.	U
67-72-1	Hexachloroethane	1900.	U
98-95-3	Nitrobenzene	1900.	U
78-59-1	Isophorone	1900 ~~1500.~~	~~EJ~~ D
88-75-5	2-Nitrophenol	1900.	U
105-67-9	2,4-Dimethylphenol	1900.	U
65-85-0	Benzoic acid	9700.	U
111-91-1	bis(2-Chloroethoxy)methane	1900.	U
120-83-2	2,4-Dichlorophenol	1900.	U
120-82-1	1,2,4-Trichlorobenzene	1900.	U
91-20-3	Naphthalene	1900.	U
106-47-8	4-Chloroaniline	1900.	U
87-68-3	Hexachlorobutadiene	1900.	U
59-50-7	4-Chloro-3-methylphenol	1900.	U
91-57-6	2-Methylnaphthalene	1900.	U
77-47-4	Hexachlorocyclopentadiene	1900.	U
88-06-2	2,4,6-Trichlorophenol	1900.	U
95-95-4	2,4,5-Trichlorophenol	9700.	U
91-58-7	2-Chloronaphthalene	1900.	U
88-74-4	2-Nitroaniline	9700.	U
131-11-3	Dimethylphthalate	1900.	U
208-96-8	Acenaphthylene	1900.	U
606-20-2	2,6-Dinitrotoluene	1900.	U

wft 6/23/89

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET532 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt vol: 30. (g/mL) G Lab File ID: 4362B

Level: low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 50.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	23000.	U
111-44-4	bis(2-chloroethyl)ether	23000.	U
95-57-8	2-Chlorophenol	23000.	U
541-73-1	1,3-Dichlorobenzene	23000.	U
106-46-7	1,4-Dichlorobenzene	23000.	U
100-51-6	Benzyl alcohol	23000.	U
95-50-1	1,2-Dichlorobenzene	23000.	U
95-48-7	2-Methylphenol	23000.	U
108-60-1	bis(2-chloroisopropyl)ether	23000.	U
106-44-5	4-Methylphenol	23000.	U
621-64-7	N-Nitroso-di-n-propylamine	23000.	U
67-72-1	Hexachloroethane	23000.	U
98-95-3	Nitrobenzene	23000.	U
78-59-1	Isophorone	23000.	U
88-75-5	2-Nitrophenol	23000.	U
105-67-9	2,4-Dimethylphenol	23000.	U
65-85-0	Benzoic acid	110000.	U
111-91-1	bis(2-Chloroethoxy)methane	23000.	U
120-83-2	2,4-Dichlorophenol	23000.	U
120-82-1	1,2,4-Trichlorobenzene	23000.	U
91-20-3	Naphthalene	23000.	U
106-47-8	4-Chloroaniline	23000.	U
87-68-3	Hexachlorobutadiene	23000.	U
59-50-7	4-Chloro-3-methylphenol	23000.	U
91-57-6	2-Methylnaphthalene	23000.	U
77-47-4	Hexachlorocyclopentadiene	23000.	U
88-06-2	2,4,6-Trichlorophenol	23000.	U
95-95-4	2,4,5-Trichlorophenol	110000.	U
91-58-7	2-Chloronaphthalene	23000.	U
88-74-4	2-Nitroaniline	110000.	U
131-11-3	Dimethylphthalate	23000.	U
208-96-8	Acenaphthylene	23000.	U
606-20-2	2,6-Dinitrotoluene	23000.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET533 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4363B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2100.	U
111-44-4	bis(2-chloroethyl)ether	2100.	U
95-57-8	2-Chlorophenol	2100.	U
541-73-1	1,3-Dichlorobenzene	2100.	U
106-46-7	1,4-Dichlorobenzene	2100.	U
100-51-6	Benzyl alcohol	2100.	U
95-50-1	1,2-Dichlorobenzene	2100.	U
95-48-7	2-Methylphenol	2100.	U
108-60-1	bis(2-chloroisopropyl)ether	2100.	U
106-44-5	4-Methylphenol	2100.	U
621-64-7	N-Nitroso-di-n-propylamine	2100.	U
67-72-1	Hexachloroethane	2100.	U
98-95-3	Nitrobenzene	2100.	U
78-59-1	Isophorone	2100.	U
88-75-5	2-Nitrophenol	2100.	U
105-67-9	2,4-Dimethylphenol	2100.	U
65-85-0	Benzoic acid	10000.	U
111-91-1	bis(2-Chloroethoxy)methane	2100.	U
120-83-2	2,4-Dichlorophenol	2100.	U
120-82-1	1,2,4-Trichlorobenzene	2100.	U
91-20-3	Naphthalene	2100.	U
106-47-8	4-Chloroaniline	2100.	U
87-68-3	Hexachlorobutadiene	2100.	U
59-50-7	4-Chloro-3-methylphenol	2100.	U
91-57-6	2-Methylnaphthalene	2100.	U
77-47-4	Hexachlorocyclopentadiene	2100.	U
88-06-2	2,4,6-Trichlorophenol	2100.	U
95-95-4	2,4,5-Trichlorophenol	10000.	U
91-58-7	2-Chloronaphthalene	2100.	U
88-74-4	2-Nitroaniline	10000.	U
131-11-3	Dimethylphthalate	2100.	U
208-96-8	Acenaphthylene	2100.	U
606-20-2	2,6-Dinitrotoluene	2100.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY79

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4356B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2300.	U
83-32-9	Acenaphthene	450.	U
51-28-5	2,4-Dinitrophenol	2300.	U
100-02-7	4-Nitrophenol	2300.	U
132-64-9	Dibenzofuran	450.	U
121-14-2	2,4-Dinitrotoluene	450.	U
84-66-2	Diethylphthalate	450.	U
7005-72-3	4-Chlorophenyl-phenylether	450.	U
86-73-7	Fluorene	450.	U
100-01-6	4-Nitroaniline	2300.	U
534-52-1	4,6-Dinitro-2-methylphenol	2300.	U
86-30-6	N-Nitrosodiphenylamine (1)	450.	U
101-55-3	4-Bromophenyl-phenylether	450.	U
118-74-1	Hexachlorobenzene	450.	U
87-86-5	Pentachlorophenol	2300.	U
85-01-8	Phenanthrene	450.	U
120-12-7	Anthracene	450.	U
84-74-2	Di-n-butylphthalate	450.	U
206-44-0	Fluoranthene	390.	J
129-00-0	Pyrene	450.	U
85-68-7	Butylbenzylphthalate	450.	U
91-94-1	3,3'-Dichlorobenzidine	900.	U
56-55-3	Benzo(a)anthracene	450.	U
218-01-9	Chrysene	450.	U
117-81-7	bis(2-Ethylhexyl)phthalate	260.	J
117-84-0	Di-n-octylphthalate	450.	U
205-99-2	Benzo(b)fluoranthene	450.	U
207-08-9	Benzo(k)fluoranthene	450.	U
50-32-8	Benzo(a)pyrene	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	450.	U
53-70-3	Dibenz(a,h)anthracene	450.	U
191-24-2	Benzo(g,h,i)perylene	450.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAY79

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4356B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	815-24-7	3-PENTANONE, 2,2,4,4-TETRAME	8.13	1000.	BJ
2.	104-54-1	2-PROPEN-1-OL, 3-PHENYL-	15.44	1000.	J
3.	- -	UNKNOWN	21.02	800.	J
4.	- -	UNKNOWN HYDROCARBON	21.85	500.	J
5.	104-40-5	PHENOL, 4-NONYL-	21.93	900.	J
6.	- -	UNKNOWN	22.45	500.	J
7.	- -	UNKNOWN C18 HYDROCARBON	23.14	500.	J
8.	- -	UNKNOWN HYDROCARBON	23.27	900.	J
9.	10544-50-0	MOLECULAR SULFUR	25.90	5000.	J
10.	- -	UNKNOWN	26.48	900.	J
11.	- -	UNKNOWN HYDROCARBON	28.47	800.	J
12.	- -	UNKNOWN	30.21	500.	J
13.	- -	UNKNOWN	30.27	1000.	J
14.	- -	UNKNOWN	31.02	4000.	J
15.	- -	UNKNOWN	31.15	600.	J
16.	- -	UNKNOWN	32.79	1000.	J
17.	- -	UNKNOWN	32.91	3000.	J
18.	- -	UNKNOWN	34.00	3000.	J
19.	- -	UNKNOWN HYDROCARBON	34.98	1000.	J
20.	54932-78-4	PHENOL, 4-(2,2,3,3-TETRAMETH	21.80	1000.	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY80

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4396B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 34. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/89

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2500.	U
83-32-9	Acenaphthene	510.	U
51-28-5	2,4-Dinitrophenol	2500.	U
100-02-7	4-Nitrophenol	2500.	U
132-64-9	Dibenzofuran	510.	U
121-14-2	2,4-Dinitrotoluene	510.	U
84-66-2	Diethylphthalate	510.	U
7005-72-3	4-Chlorophenyl-phenylether	510.	U
86-73-7	Fluorene	510.	U
100-01-6	4-Nitroaniline	2500.	U
534-52-1	4,6-Dinitro-2-methylphenol	2500.	U
86-30-6	N-Nitrosodiphenylamine (1)	510.	U
101-55-3	4-Bromophenyl-phenylether	510.	U
118-74-1	Hexachlorobenzene	510.	U
87-86-5	Pentachlorophenol	2500.	U
85-01-8	Phenanthrene	510.	U
120-12-7	Anthracene	510.	U
84-74-2	Di-n-butylphthalate	510.	U
206-44-0	Fluoranthene	510.	U
129-00-0	Pyrene	510.	U
85-68-7	Butylbenzylphthalate	510.	U
91-94-1	3,3'-Dichlorobenzidine	1000.	U
56-55-3	Benzo(a)anthracene	510.	U
218-01-9	Chrysene	510.	U
117-81-7	bis(2-Ethylhexyl)phthalate	510.	U
117-84-0	Di-n-octylphthalate	510.	U
205-99-2	Benzo(b)fluoranthene	510.	U
207-08-9	Benzo(k)fluoranthene	510.	U
50-32-8	Benzo(a)pyrene	510.	U
193-39-5	Indeno(1,2,3-cd)pyrene	510.	U
53-70-3	Dibenz(a,h)anthracene	510.	U
191-24-2	Benzo(g,h,i)perylene	510.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAY80

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4396B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 34. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 9/89

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	815-24-7	3-PENTANONE, 2,2,4,4-TETRAME	8.10	1000.	BJ
2.	- -	UNKNOWN	25.01	200.	J
3.	57-10-3	HEXADECANOIC ACID	25.16	800.	J
4.	- -	UNKNOWN	27.31	500.	J
5.	- -	UNKNOWN	27.47	1000.	J
6.	- -	UNKNOWN	27.54	700.	J
7.	- -	UNKNOWN C25 HYDROCARBON	31.15	700.	J
8.	- -	UNKNOWN HYDROCARBON	33.08	1000.	J
9.	- -	UNKNOWN HYDROCARBON	34.00	600.	J
10.	- -	UNKNOWN	34.27	1000.	J
11.	- -	UNKNOWN	34.32	900.	J
12.	- -	UNKNOWN HYDROCARBON	34.91	9000.	J
13.	- -	UNKNOWN	35.42	1000.	J
14.	- -	UNKNOWN	36.10	600.	J
15.	- -	UNKNOWN C31 HYDROCARBON	36.69	6000.	J
16.	- -	UNKNOWN	38.18	1000.	J
17.	- -	UNKNOWN	38.31	600.	J
18.	- -	UNKNOWN	38.51	500.	J
19.	- -	UNKNOWN HYDROCARBON	39.07	2000.	J
20.	- -	UNKNOWN	39.70	700.	J
21.					
22.					
23.					
24.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ255 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4364B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	11000.	U
83-32-9	Acenaphthene	2300.	U
51-28-5	2,4-Dinitrophenol	11000.	U
100-02-7	4-Nitrophenol	11000.	U
132-64-9	Dibenzofuran	2300.	U
121-14-2	2,4-Dinitrotoluene	2300.	U
84-66-2	Diethylphthalate	2300.	U
7005-72-3	4-Chlorophenyl-phenylether	2300.	U
86-73-7	Fluorene	1200.	J D
100-01-6	4-Nitroaniline	11000.	U
534-52-1	4,6-Dinitro-2-methylphenol	11000.	U
86-30-6	N-Nitrosodiphenylamine (1)	2300.	U
101-55-3	4-Bromophenyl-phenylether	2300.	U
118-74-1	Hexachlorobenzene	2300.	U
87-86-5	Pentachlorophenol	11000.	U
85-01-8	Phenanthrene	11000.	D
120-12-7	Anthracene	1800.	J D
84-74-2	Di-n-butylphthalate	2300.	U
206-44-0	Fluoranthene	12000.	D
129-00-0	Pyrene	7500.	D
85-68-7	Butylbenzylphthalate	2300.	U
91-94-1	3,3'-Dichlorobenzidine	4600.	U
56-55-3	Benzo(a)anthracene	4900.	D
218-01-9	Chrysene	6500.	D
117-81-7	bis(2-Ethylhexyl)phthalate	7400.	D
117-84-0	Di-n-octylphthalate	2300.	U
205-99-2	Benzo(b)fluoranthene	4500.	D
207-08-9	Benzo(k)fluoranthene	3700.	D
50-32-8	Benzo(a)pyrene	4900.	D
193-39-5	Indeno(1,2,3-cd)pyrene	4100.	D
53-70-3	Dibenz(a,h)anthracene	910.	J D
191-24-2	Benzo(g,h,i)perylene	3700.	D

(1) - Cannot be separated from diphenylamine

162

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQ255 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4364B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 5.00

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN HYDROCARBON	20.24	1000.	J
2.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	24.39	1000.	J
3.	10544-50-0	MOLECULAR SULFUR	25.77	5000.	J
4.	- -	UNKNOWN	26.87	1000.	J
5.	243-17-4	11H-BENZO[B]FLUORENE	27.91	1000.	J
6.	- -	UNKNOWN AROMATIC	29.87	1000.	J
7.	192-97-2	BENZO[E]PYRENE	34.20	2000.	J
8.	- -	UNKNOWN	36.99	900.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ256

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4365B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2200.	U
83-32-9	Acenaphthene	260.	J
51-28-5	2,4-Dinitrophenol	2200.	U
100-02-7	4-Nitrophenol	2200.	U
132-64-9	Dibenzofuran	140.	J
121-14-2	2,4-Dinitrotoluene	430.	U
84-66-2	Diethylphthalate	430.	U
7005-72-3	4-Chlorophenyl-phenylether	430.	U
86-73-7	Fluorene	230.	J
100-01-6	4-Nitroaniline	2200.	U
534-52-1	4,6-Dinitro-2-methylphenol	2200.	U
86-30-6	N-Nitrosodiphenylamine (1)	430.	U
101-55-3	4-Bromophenyl-phenylether	430.	U
118-74-1	Hexachlorobenzene	430.	U
87-86-5	Pentachlorophenol	2200.	U
85-01-8	Phenanthrene	2600.	
120-12-7	Anthracene	450.	
84-74-2	Di-n-butylphthalate	430.	U
206-44-0	Fluoranthene	3200.	
129-00-0	Pyrene	1800.	
85-68-7	Butylbenzylphthalate	430.	U
91-94-1	3,3'-Dichlorobenzidine	870.	U
56-55-3	Benzo(a)anthracene	1200.	
218-01-9	Chrysene	1300.	
117-81-7	bis(2-Ethylhexyl)phthalate	500.	
117-84-0	Di-n-octylphthalate	430.	U
205-99-2	Benzo(b)fluoranthene	1200.	
207-08-9	Benzo(k)fluoranthene	490.	
50-32-8	Benzo(a)pyrene	1000.	
193-39-5	Indeno(1,2,3-cd)pyrene	740.	
53-70-3	Dibenz(a,h)anthracene	430.	U
191-24-2	Benzo(g,h,i)perylene	620.	

(1) - Cannot be separated from diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQ256

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4365B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

Number TICs found: 9

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	815-24-7	3-PENTANONE, 2,2,4,4-TETRAME	8.08	500.	BJ
2.	- -	UNKNOWN HYDROCARBON	9.75	300.	J
3.	- -	UNKNOWN HYDROCARBON	10.23	300.	J
4.	10544-50-0	MOLECULAR SULFUR	25.82	3000.	J
5.	- -	UNKNOWN	26.90	300.	J
6.	238-84-6	11H-BENZO[A]FLUORENE	27.96	300.	J
7.	- -	UNKNOWN AROMATIC	28.14	200.	J
8.	192-97-2	BENZO[E]PYRENE	34.24	500.	J
9.	- -	UNKNOWN AROMATIC	37.04	300.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET531 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4361B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	9700.	U
83-32-9	Acenaphthene	1900.	U
51-28-5	2,4-Dinitrophenol	9700.	U
100-02-7	4-Nitrophenol	9700.	U
132-64-9	Dibenzofuran	1900.	U
121-14-2	2,4-Dinitrotoluene	1900.	U
84-66-2	Diethylphthalate	1900.	U
7005-72-3	4-Chlorophenyl-phenylether	1900.	U
86-73-7	Fluorene	1900.	U
100-01-6	4-Nitroaniline	9700.	U
534-52-1	4,6-Dinitro-2-methylphenol	9700.	U
86-30-6	N-Nitrosodiphenylamine (1)	1900.	U
101-55-3	4-Bromophenyl-phenylether	1900.	U
118-74-1	Hexachlorobenzene	1900.	U
87-86-5	Pentachlorophenol	9700.	U
85-01-8	Phenanthrene	3000.	D
120-12-7	Anthracene	1900.	U
84-74-2	Di-n-butylphthalate	1900.	U
206-44-0	Fluoranthene	9300.	D
129-00-0	Pyrene	4600.	D
85-68-7	Butylbenzylphthalate	1900.	U
91-94-1	3,3'-Dichlorobenzidine	3900.	U
56-55-3	Benzo(a)anthracene	3400.	D
218-01-9	Chrysene	4200.	D
117-81-7	bis(2-Ethylhexyl)phthalate	19000.	D
117-84-0	Di-n-octylphthalate	1900.	U
205-99-2	Benzo(b)fluoranthene	3600.	D
207-08-9	Benzo(k)fluoranthene	1900.	J D
50-32-8	Benzo(a)pyrene	2800.	D
193-39-5	Indeno(1,2,3-cd)pyrene	2700.	D
53-70-3	Dibenz(a,h)anthracene	1900.	U
191-24-2	Benzo(g,h,i)perylene	2600.	D

(1) - Cannot be separated from diphenylamine

270

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET531 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4361B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN HYDROCARBON	5.93	3000.	J
2.	- -	UNKNOWN HYDROCARBON	7.09	7000.	J
3.	- -	UNKNOWN	7.29	4000.	J
4.	- -	UNKNOWN	7.50	8000.	J
5.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	7.83	30000.	J
6.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	8.03	10000.	J
7.	620-14-4	BENZENE, 1-ETHYL-3-METHYL-	8.31	8000.	J
8.	- -	UNKNOWN	8.49	9000.	J
9.	- -	UNKNOWN	8.81	3000.	J
10.	- -	UNKNOWN	8.92	3000.	J
11.	- -	UNKNOWN	9.50	7000.	J
12.	- -	UNKNOWN	9.57	4000.	J
13.	- -	UNKNOWN HYDROCARBON	9.77	20000.	J
14.	- -	UNKNOWN	9.93	3000.	J
15.	- -	UNKNOWN	10.00	3000.	J
16.	- -	UNKNOWN	10.20	4000.	J
17.	- -	UNKNOWN HYDROCARBON	11.49	10000.	J
18.	- -	UNKNOWN C16 HYDROCARBON	20.30	10000.	J
19.	- -	UNKNOWN HYDROCARBON	20.99	10000.	J
20.	- -	UNKNOWN HYDROCARBON	21.74	20000.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET532 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt vol: 30. (g/mL) G Lab File ID: 4362B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 50.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	110000.	U
83-32-9	Acenaphthene	23000.	U
51-28-5	2,4-Dinitrophenol	110000.	U
100-02-7	4-Nitrophenol	110000.	U
132-64-9	Dibenzofuran	23000.	U
121-14-2	2,4-Dinitrotoluene	23000.	U
84-66-2	Diethylphthalate	23000.	U
7005-72-3	4-Chlorophenyl-phenylether	23000.	U
86-73-7	Fluorene	23000.	U
100-01-6	4-Nitroaniline	110000.	U
534-52-1	4,6-Dinitro-2-methylphenol	110000.	U
86-30-6	N-Nitrosodiphenylamine (1)	23000.	U
101-55-3	4-Bromophenyl-phenylether	23000.	U
118-74-1	Hexachlorobenzene	23000.	U
87-86-5	Pentachlorophenol	110000.	U
85-01-8	Phenanthrene	23000.	U
120-12-7	Anthracene	23000.	U
84-74-2	Di-n-butylphthalate	23000.	U
206-44-0	Fluoranthene	23000.	U
129-00-0	Pyrene	5900.	J D
85-68-7	Butylbenzylphthalate	42000.	D
91-94-1	3,3'-Dichlorobenzidine	46000.	U
56-55-3	Benzo(a)anthracene	23000.	U
218-01-9	Chrysene	23000.	U
117-81-7	bis(2-Ethylhexyl)phthalate	140000.	D
117-84-0	Di-n-octylphthalate	23000.	U
205-99-2	Benzo(b)fluoranthene	23000.	U
207-08-9	Benzo(k)fluoranthene	23000.	U
50-32-8	Benzo(a)pyrene	23000.	U
193-39-5	Indeno(1,2,3-cd)pyrene	23000.	U
53-70-3	Dibenz(a,h)anthracene	23000.	U
191-24-2	Benzo(g,h,i)perylene	23000.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET532 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4362B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 50.00

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN HYDROCARBON	17.14	10000.	J
2.	- -	UNKNOWN HYDROCARBON	18.76	10000.	J
3.	- -	UNKNOWN HYDROCARBON	23.09	9000.	J
4.	- -	UNKNOWN HYDROCARBON	23.22	10000.	J
5.	- -	UNKNOWN C19 HYDROCARBON	24.40	10000.	J
6.	- -	UNKNOWN	25.23	10000.	J
7.	- -	UNKNOWN HYDROCARBON	25.66	20000.	J
8.	- -	UNKNOWN	26.50	10000.	J
9.	- -	UNKNOWN HYDROCARBON	26.59	30000.	J
10.	- -	UNKNOWN HYDROCARBON	28.41	40000.	J
11.	- -	UNKNOWN PHTHALATE	28.56	10000.	J
12.	- -	UNKNOWN	28.79	20000.	J
13.	- -	UNKNOWN PHTHALATE	29.13	10000.	J
14.	- -	UNKNOWN PHTHALATE	29.19	10000.	J
15.	- -	UNKNOWN	29.97	10000.	J
16.	- -	UNKNOWN HYDROCARBON	31.17	10000.	J
17.	- -	UNKNOWN	35.03	10000.	J
18.	- -	UNKNOWN HYDROCARBON	35.16	10000.	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET533 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4363B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	10000.	U
83-32-9	Acenaphthene	2100.	U
51-28-5	2,4-Dinitrophenol	10000.	U
100-02-7	4-Nitrophenol	10000.	U
132-64-9	Dibenzofuran	2100.	U
121-14-2	2,4-Dinitrotoluene	2100.	U
84-66-2	Diethylphthalate	2100.	U
7005-72-3	4-Chlorophenyl-phenylether	2100.	U
86-73-7	Fluorene	2100.	U
100-01-6	4-Nitroaniline	10000.	U
534-52-1	4,6-Dinitro-2-methylphenol	10000.	U
86-30-6	N-Nitrosodiphenylamine (1)	2100.	U
101-55-3	4-Bromophenyl-phenylether	2100.	U
118-74-1	Hexachlorobenzene	2100.	U
87-86-5	Pentachlorophenol	10000.	U
85-01-8	Phenanthrene	11000.	D
120-12-7	Anthracene	2000.	J D
84-74-2	Di-n-butylphthalate	2100.	U
206-44-0	Fluoranthene	21000.	D
129-00-0	Pyrene	12000.	D
85-68-7	Butylbenzylphthalate	2100.	U
91-94-1	3,3'-Dichlorobenzidine	4100.	U
56-55-3	Benzo(a)anthracene	7800.	D
218-01-9	Chrysene	9600.	D
117-81-7	bis(2-Ethylhexyl)phthalate	1800.	J D
117-84-0	Di-n-octylphthalate	2100.	U
205-99-2	Benzo(b)fluoranthene	8000.	D
207-08-9	Benzo(k)fluoranthene	5100.	D
50-32-8	Benzo(a)pyrene	7500.	D
193-39-5	Indeno(1,2,3-cd)pyrene	6200.	D
53-70-3	Dibenz(a,h)anthracene	1200.	J D
191-24-2	Benzo(g,h,i)perylene	5600.	D

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET533 DL

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4363B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRE	24.41	1000.	J
2.	84-65-1	9,10-ANTHRACENEDIONE	25.09	1000.	J
3.	- -	UNKNOWN	26.91	2000.	J
4.	- -	UNKNOWN	27.29	1000.	J
5.	243-17-4	11H-BENZO[B]FLUORENE	27.93	2000.	J
6.	243-17-4	11H-BENZO[B]FLUORENE	28.13	1000.	J
7.	- -	UNKNOWN AROMATIC	29.88	1000.	J
8.	- -	UNKNOWN	30.08	20000.	J
9.	- -	UNKNOWN AROMATIC	30.81	900.	J
10.	205-82-3	BENZO[J]FLUORANTHENE	34.23	3000.	J
11.	- -	UNKNOWN HYDROCARBON	34.87	9000.	J
12.	- -	UNKNOWN AROMATIC	35.01	1000.	J
13.	- -	UNKNOWN	35.35	1000.	J
14.	- -	UNKNOWN AROMATIC	37.00	1000.	J
15.	191-26-4	DIBENZO[DEF,MNO]CHRYSENE	38.33	1000.	J
16.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	33.82	1000.	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY79

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123418

Sample wt/vol: 30. (g/mL) G Lab File ID: A2623

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/16/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	11.	U
319-85-7	beta-BHC	11.	U
319-86-8	delta-BHC	11.	U
58-89-9	gamma-BHC (Lindane)	11.	U
76-44-8	Heptachlor	11.	U
309-00-2	Aldrin	11.	U
1024-57-3	Heptachlor epoxide	11.	U
959-98-8	Endosulfan I	11.	U
60-57-1	Dieldrin	22.	U
72-55-9	4,4'-DDE	22.	U
72-20-8	Endrin	22.	U
33213-65-9	Endosulfan II	22.	U
72-54-8	4,4'-DDD	22.	U
1031-07-8	Endosulfan sulfate	22.	U
50-29-3	4,4'-DDT	22.	U
72-43-5	Methoxychlor	110.	U
53494-70-5	Endrin ketone	22.	U
5103-71-9	alpha-Chlordane	110.	U
5103-74-2	gamma-Chlordane	110.	U
8001-35-2	Toxaphene	220.	U
12674-11-2	Arochlor-1016	110.	U
11104-28-2	Arochlor-1221	110.	U
11141-16-5	Arochlor-1232	110.	U
53469-21-9	Arochlor-1242	110.	U
12672-29-6	Arochlor-1248	110.	U
11097-69-1	Arochlor-1254	220.	U
11096-82-5	Arochlor-1260	220.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY80

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123419

Sample wt/vol: 30. (g/mL) G Lab File ID: A2624

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 34. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/16/89

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	12.	U
319-85-7	beta-BHC	12.	U
319-86-8	delta-BHC	12.	U
58-89-9	gamma-BHC (Lindane)	12.	U
76-44-8	Heptachlor	12.	U
309-00-2	Aldrin	12.	U
1024-57-3	Heptachlor epoxide	12.	U
959-98-8	Endosulfan I	12.	U
60-57-1	Dieldrin	24.	U
72-55-9	4,4'-DDE	12.	J
72-20-8	Endrin	24.	U
33213-65-9	Endosulfan II	24.	U
72-54-8	4,4'-DDD	24.	U
1031-07-8	Endosulfan sulfate	24.	U
50-29-3	4,4'-DDT	20.	J
72-43-5	Methoxychlor	120.	U
53494-70-5	Endrin ketone	24.	U
5103-71-9	alpha-Chlordane	120.	U
5103-74-2	gamma-Chlordane	120.	U
8001-35-2	Toxaphene	240.	U
12674-11-2	Arochlor-1016	120.	U
11104-28-2	Arochlor-1221	120.	U
11141-16-5	Arochlor-1232	120.	U
53469-21-9	Arochlor-1242	120.	U
12672-29-6	Arochlor-1248	120.	U
11097-69-1	Arochlor-1254	240.	U
11096-82-5	Arochlor-1260	240.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ255

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123416

Sample wt/vol: 30. (g/mL) G Lab File ID: A2620

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/15/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	55.	U
319-85-7	beta-BHC	55.	U
319-86-8	delta-BHC	55.	U
58-89-9	gamma-BHC (Lindane)	55.	U
76-44-8	Heptachlor	55.	U
309-00-2	Aldrin	55.	U
1024-57-3	Heptachlor epoxide	55.	U
959-98-8	Endosulfan I	55.	U
60-57-1	Dieldrin	110.	U
72-55-9	4,4'-DDE	110.	U
72-20-8	Endrin	110.	U
33213-65-9	Endosulfan II	110.	U
72-54-8	4,4'-DDD	59.	J
1031-07-8	Endosulfan sulfate	110.	U
50-29-3	4,4'-DDT	20.	J
72-43-5	Methoxychlor	550.	U
53494-70-5	Endrin ketone	110.	U
5103-71-9	alpha-Chlordane	550.	U
5103-74-2	gamma-Chlordane	550.	U
8001-35-2	Toxaphene	1100.	U
12674-11-2	Arochlor-1016	550.	U
11104-28-2	Arochlor-1221	550.	U
11141-16-5	Arochlor-1232	550.	U
53469-21-9	Arochlor-1242	550.	U
12672-29-6	Arochlor-1248	550.	U
11097-69-1	Arochlor-1254	1100.	U
11096-82-5	Arochlor-1260	1100.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ256

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123417

Sample wt/vol: 30. (g/mL) G Lab File ID: A2622

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 23. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/16/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	10.	U
319-85-7	beta-BHC	10.	U
319-86-8	delta-BHC	10.	U
58-89-9	gamma-BHC (Lindane)	10.	U
76-44-8	Heptachlor	10.	U
309-00-2	Aldrin	10.	U
1024-57-3	Heptachlor epoxide	10.	U
959-98-8	Endosulfan I	10.	U
60-57-1	Dieldrin	21.	U
72-55-9	4,4'-DDE	21.	U
72-20-8	Endrin	21.	U
33213-65-9	Endosulfan II	21.	U
72-54-8	4,4'-DDD	21.	U
1031-07-8	Endosulfan sulfate	21.	U
50-29-3	4,4'-DDT	21.	U
72-43-5	Methoxychlor	100.	U
53494-70-5	Endrin ketone	21.	U
5103-71-9	alpha-Chlordane	100.	U
5103-74-2	gamma-Chlordane	100.	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Arochlor-1016	100.	U
11104-28-2	Arochlor-1221	100.	U
11141-16-5	Arochlor-1232	100.	U
53469-21-9	Arochlor-1242	100.	U
12672-29-6	Arochlor-1248	100.	U
11097-69-1	Arochlor-1254	210.	U
11096-82-5	Arochlor-1260	210.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET531

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123413

Sample wt/vol: 30. (g/mL) G Lab File ID: A2615

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/15/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	47.	U
319-85-7	beta-BHC	47.	U
319-86-8	delta-BHC	47.	U
58-89-9	gamma-BHC (Lindane)	47.	U
76-44-8	Heptachlor	47.	U
309-00-2	Aldrin	47.	U
1024-57-3	Heptachlor epoxide	47.	U
959-98-8	Endosulfan I	47.	U
60-57-1	Dieldrin	93.	U
72-55-9	4,4'-DDE	93.	U
72-20-8	Endrin	93.	U
33213-65-9	Endosulfan II	93.	U
72-54-8	4,4'-DDD	93.	U
1031-07-8	Endosulfan sulfate	93.	U
50-29-3	4,4'-DDT	93.	U
72-43-5	Methoxychlor	470.	U
53494-70-5	Endrin ketone	93.	U
5103-71-9	alpha-Chlordane	470.	U
5103-74-2	gamma-Chlordane	470.	U
8001-35-2	Toxaphene	930.	U
12674-11-2	Arochlor-1016	470.	U
11104-28-2	Arochlor-1221	470.	U
11141-16-5	Arochlor-1232	470.	U
53469-21-9	Arochlor-1242	470.	U
12672-29-6	Arochlor-1248	470.	U
11097-69-1	Arochlor-1254	930.	U
11096-82-5	Arochlor-1260	930.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET532

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123414

Sample wt/vol: 30. (g/mL) G Lab File ID: A2616

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/15/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	55.	U
319-85-7	beta-BHC	55.	U
319-86-8	delta-BHC	55.	U
58-89-9	gamma-BHC (Lindane)	55.	U
76-44-8	Heptachlor	55.	U
309-00-2	Aldrin	55.	U
1024-57-3	Heptachlor epoxide	55.	U
959-98-8	Endosulfan I	55.	U
60-57-1	Dieldrin	110.	U
72-55-9	4,4'-DDE	110.	U
72-20-8	Endrin	110.	U
33213-65-9	Endosulfan II	110.	U
72-54-8	4,4'-DDD	110.	U
1031-07-8	Endosulfan sulfate	110.	U
50-29-3	4,4'-DDT	110.	U
72-43-5	Methoxychlor	550.	U
53494-70-5	Endrin ketone	110.	U
5103-71-9	alpha-Chlordane	550.	U
5103-74-2	gamma-Chlordane	550.	U
8001-35-2	Toxaphene	1100.	U
12674-11-2	Arochlor-1016	550.	U
11104-28-2	Arochlor-1221	550.	U
11141-16-5	Arochlor-1232	550.	U
53469-21-9	Arochlor-1242	550.	U
12672-29-6	Arochlor-1248	550.	U
11097-69-1	Arochlor-1254	1100.	U
11096-82-5	Arochlor-1260	1100.	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET533

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: 123415

Sample wt/vol: 30. (g/mL) G Lab File ID: A2617

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/15/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 5.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	49.	U
319-85-7	beta-BHC	49.	U
319-86-8	delta-BHC	49.	U
58-89-9	gamma-BHC (Lindane)	49.	U
76-44-8	Heptachlor	49.	U
309-00-2	Aldrin	49.	U
1024-57-3	Heptachlor epoxide	49.	U
959-98-8	Endosulfan I	49.	U
60-57-1	Dieldrin	99.	U
72-55-9	4,4'-DDE	89.	J
72-20-8	Endrin	99.	U
33213-65-9	Endosulfan II	99.	U
72-54-8	4,4'-DDD	99.	U
1031-07-8	Endosulfan sulfate	99.	U
50-29-3	4,4'-DDT	120.	
72-43-5	Methoxychlor	490.	U
53494-70-5	Endrin ketone	99.	U
5103-71-9	alpha-Chlordane	490.	U
5103-74-2	gamma-Chlordane	490.	U
8001-35-2	Toxaphene	990.	U
12674-11-2	Arochlor-1016	490.	U
11104-28-2	Arochlor-1221	490.	U
11141-16-5	Arochlor-1232	490.	U
53469-21-9	Arochlor-1242	490.	U
12672-29-6	Arochlor-1248	490.	U
11097-69-1	Arochlor-1254	990.	U
11096-82-5	Arochlor-1260	990.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET533

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4353B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410.	U
111-44-4	bis(2-chloroethyl)ether	410.	U
95-57-8	2-Chlorophenol	410.	U
541-73-1	1,3-Dichlorobenzene	410.	U
106-46-7	1,4-Dichlorobenzene	410.	U
100-51-6	Benzyl alcohol	410.	U
95-50-1	1,2-Dichlorobenzene	410.	U
95-48-7	2-Methylphenol	410.	U
108-60-1	bis(2-chloroisopropyl)ether	410.	U
106-44-5	4-Methylphenol	410.	U
621-64-7	N-Nitroso-di-n-propylamine	410.	U
67-72-1	Hexachloroethane	410.	U
98-95-3	Nitrobenzene	410.	U
78-59-1	Isophorone	780.	J
88-75-5	2-Nitrophenol	410.	U
105-67-9	2,4-Dimethylphenol	410.	U
65-85-0	Benzoic acid	2100.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U
120-83-2	2,4-Dichlorophenol	410.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U
91-20-3	Naphthalene	410.	U
106-47-8	4-Chloroaniline	410.	U
87-68-3	Hexachlorobutadiene	410.	U
59-50-7	4-Chloro-3-methylphenol	410.	U
91-57-6	2-Methylnaphthalene	410.	U
77-47-4	Hexachlorocyclopentadiene	410.	U
88-06-2	2,4,6-Trichlorophenol	410.	U
95-95-4	2,4,5-Trichlorophenol	2100.	U
91-58-7	2-Chloronaphthalene	410.	U
88-74-4	2-Nitroaniline	2100.	U
131-11-3	Dimethylphthalate	410.	U
208-96-8	Acenaphthylene	410.	U
606-20-2	2,6-Dinitrotoluene	410.	U

WDT 6/23/89

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET533

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4353B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100.	U
83-32-9	Acenaphthene	500.	
51-28-5	2,4-Dinitrophenol	2100.	U
100-02-7	4-Nitrophenol	2100.	U
132-64-9	Dibenzofuran	410.	U
121-14-2	2,4-Dinitrotoluene	410.	U
84-66-2	Diethylphthalate	410.	U
7005-72-3	4-Chlorophenyl-phenylether	410.	U
86-73-7	Fluorene	470.	
100-01-6	4-Nitroaniline	2100.	U
534-52-1	4,6-Dinitro-2-methylphenol	2100.	U
86-30-6	N-Nitrosodiphenylamine (1)	410.	U
101-55-3	4-Bromophenyl-phenylether	410.	U
118-74-1	Hexachlorobenzene	410.	U
87-86-5	Pentachlorophenol	2100.	U
85-01-8	Phenanthrene	8900.	E
120-12-7	Anthracene	1300.	
84-74-2	Di-n-butylphthalate	410.	U
206-44-0	Fluoranthene	19000.	E
129-00-0	Pyrene	10000.	E
85-68-7	Butylbenzylphthalate	410.	U
91-94-1	3,3'-Dichlorobenzidine	820.	U
56-55-3	Benzo(a)anthracene	6800.	E
218-01-9	Chrysene	6600.	E
117-81-7	bis(2-Ethylhexyl)phthalate	1900.	
117-84-0	Di-n-octylphthalate	410.	U
205-99-2	Benzo(b)fluoranthene	7600.	E
207-08-9	Benzo(k)fluoranthene	4700.	
50-32-8	Benzo(a)pyrene	5800.	
193-39-5	Indeno(1,2,3-cd)pyrene	3300.	
53-70-3	Dibenz(a,h)anthracene	410.	U
191-24-2	Benzo(g,h,i)perylene	2600.	

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET533

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt vol: 30. (g/mL) G Lab File ID: 4353B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 19. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I SV-TIC 1/87 Rev.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET532

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4352B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460.	U
111-44-4	bis(2-chloroethyl)ether	460.	U
95-57-8	2-Chlorophenol	460.	U
541-73-1	1,3-Dichlorobenzene	460.	U
106-46-7	1,4-Dichlorobenzene	460.	U
100-51-6	Benzyl alcohol	460.	U
95-50-1	1,2-Dichlorobenzene	460.	U
95-48-7	2-Methylphenol	460.	U
108-60-1	bis(2-chloroisopropyl)ether	460.	U
106-44-5	4-Methylphenol	300.	J
621-64-7	N-Nitroso-di-n-propylamine	460.	U
67-72-1	Hexachloroethane	460.	U
98-95-3	Nitrobenzene	460.	U
78-59-1	Isophorone	730.	B U
88-75-5	2-Nitrophenol	460.	U
105-67-9	2,4-Dimethylphenol	460.	U
65-85-0	Benzoic acid	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	460.	U
120-83-2	2,4-Dichlorophenol	460.	U
120-82-1	1,2,4-Trichlorobenzene	460.	U
91-20-3	Naphthalene	460.	U
106-47-8	4-Chloroaniline	460.	U
87-68-3	Hexachlorobutadiene	460.	U
59-50-7	4-Chloro-3-methylphenol	460.	U
91-57-6	2-Methylnaphthalene	460.	U
77-47-4	Hexachlorocyclopentadiene	460.	U
88-06-2	2,4,6-Trichlorophenol	460.	U
95-95-4	2,4,5-Trichlorophenol	2300.	U
91-58-7	2-Chloronaphthalene	460.	U
88-74-4	2-Nitroaniline	2300.	U
131-11-3	Dimethylphthalate	460.	U
208-96-8	Acenaphthylene	460.	U
606-20-2	2,6-Dinitrotoluene	460.	U

308

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET532

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4352B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2300.	U
83-32-9	Acenaphthene	460.	U
51-28-5	2,4-Dinitrophenol	2300.	U
100-02-7	4-Nitrophenol	2300.	U
132-64-9	Dibenzofuran	460.	U
121-14-2	2,4-Dinitrotoluene	460.	U
84-66-2	Diethylphthalate	460.	U
7005-72-3	4-Chlorophenyl-phenylether	460.	U
86-73-7	Fluorene	270.	J
100-01-6	4-Nitroaniline	2300.	U
534-52-1	4,6-Dinitro-2-methylphenol	2300.	U
86-30-6	N-Nitrosodiphenylamine (1)	460.	U
101-55-3	4-Bromophenyl-phenylether	460.	U
118-74-1	Hexachlorobenzene	460.	U
87-86-5	Pentachlorophenol	2300.	U
85-01-8	Phenanthrene	3900.	
120-12-7	Anthracene	460.	U
84-74-2	Di-n-butylphthalate	1500.	
206-44-0	Fluoranthene	810.	
129-00-0	Pyrene	8700.	E
85-68-7	Butylbenzylphthalate	46000.	E
91-94-1	3,3'-Dichlorobenzidine	910.	U
56-55-3	Benzo(a)anthracene	460.	U
218-01-9	Chrysene	460.	U
117-81-7	bis(2-Ethylhexyl)phthalate	130000.	E
117-84-0	Di-n-octylphthalate	460.	U
205-99-2	Benzo(b)fluoranthene	460.	U
207-08-9	Benzo(k)fluoranthene	460.	U
50-32-8	Benzo(a)pyrene	460.	U
193-39-5	Indeno(1,2,3-cd)pyrene	460.	U
53-70-3	Dibenz(a,h)anthracene	460.	U
191-24-2	Benzo(g,h,i)perylene	460.	U

(1) - Cannot be separated from diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ET532

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4352B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET531

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4351B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390.	U
111-44-4	bis(2-chloroethyl)ether	390.	U
95-57-8	2-Chlorophenol	390.	U
541-73-1	1,3-Dichlorobenzene	390.	U
106-46-7	1,4-Dichlorobenzene	390.	U
100-51-6	Benzyl alcohol	390.	U
95-50-1	1,2-Dichlorobenzene	390.	U
95-48-7	2-Methylphenol	390.	U
108-60-1	bis(2-chloroisopropyl)ether	390.	U
106-44-5	4-Methylphenol	390.	U
621-64-7	N-Nitroso-di-n-propylamine	390.	U
67-72-1	Hexachloroethane	390.	U
98-95-3	Nitrobenzene	390.	U
78-59-1	Isophorone	580.	BJ
88-75-5	2-Nitrophenol	390.	U
105-67-9	2,4-Dimethylphenol	390.	U
65-85-0	Benzoic acid	1900.	U
111-91-1	bis(2-Chloroethoxy)methane	390.	U
120-83-2	2,4-Dichlorophenol	390.	U
120-82-1	1,2,4-Trichlorobenzene	390.	U
91-20-3	Naphthalene	390.	U
106-47-8	4-Chloroaniline	390.	U
87-68-3	Hexachlorobutadiene	390.	U
59-50-7	4-Chloro-3-methylphenol	390.	U
91-57-6	2-Methylnaphthalene	390.	U
77-47-4	Hexachlorocyclopentadiene	390.	U
88-06-2	2,4,6-Trichlorophenol	390.	U
95-95-4	2,4,5-Trichlorophenol	1900.	U
91-58-7	2-Chloronaphthalene	390.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	390.	U
208-96-8	Acenaphthylene	390.	U
606-20-2	2,6-Dinitrotoluene	390.	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ET531

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4351B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	390.	U
51-28-5	2,4-Dinitrophenol	1900.	U
100-02-7	4-Nitrophenol	1900.	U
132-64-9	Dibenzofuran	390.	U
121-14-2	2,4-Dinitrotoluene	390.	U
84-66-2	Diethylphthalate	390.	U
7005-72-3	4-Chlorophenyl-phenylether	390.	U
86-73-7	Fluorene	390.	U
100-01-6	4-Nitroaniline	1900.	U
534-52-1	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6	N-Nitrosodiphenylamine (1)	390.	U
101-55-3	4-Bromophenyl-phenylether	390.	U
118-74-1	Hexachlorobenzene	390.	U
87-86-5	Pentachlorophenol	1900.	U
85-01-8	Phenanthrene	1300.	
120-12-7	Anthracene	300.	J
84-74-2	Di-n-butylphthalate	390.	U
206-44-0	Fluoranthene	8300.	E
129-00-0	Pyrene	2100.	
85-68-7	Butylbenzylphthalate	310.	J
91-94-1	3,3'-Dichlorobenzidine	780.	U
56-55-3	Benzo(a)anthracene	2100.	
218-01-9	Chrysene	1500.	
117-81-7	bis(2-Ethylhexyl)phthalate	12000.	E
117-84-0	Di-n-octylphthalate	390.	U
205-99-2	Benzo(b)fluoranthene	2000.	
207-08-9	Benzo(k)fluoranthene	1100.	
50-32-8	Benzo(a)pyrene	990.	
193-39-5	Indeno(1,2,3-cd)pyrene	800.	
53-70-3	Dibenz(a,h)anthracene	390.	U
191-24-2	Benzo(g,h,i)perylene	530.	

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ET531

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4351B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 14. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ255

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4354B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460.	U
111-44-4	bis(2-chloroethyl)ether	460.	U
95-57-8	2-Chlorophenol	460.	U
541-73-1	1,3-Dichlorobenzene	460.	U
106-46-7	1,4-Dichlorobenzene	460.	U
100-51-6	Benzyl alcohol	460.	U
95-50-1	1,2-Dichlorobenzene	460.	U
95-48-7	2-Methylphenol	460.	U
108-60-1	bis(2-chloroisopropyl)ether	460.	U
106-44-5	4-Methylphenol	590.	
621-64-7	N-Nitroso-di-n-propylamine	460.	U
67-72-1	Hexachloroethane	460.	U
98-95-3	Nitrobenzene	460.	U
78-59-1	Isophorone	700.	~~B~~ U
88-75-5	2-Nitrophenol	460.	U
105-67-9	2,4-Dimethylphenol	460.	U
65-85-0	Benzoic acid	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	460.	U
120-83-2	2,4-Dichlorophenol	460.	U
120-82-1	1,2,4-Trichlorobenzene	460.	U
91-20-3	Naphthalene	360.	J
106-47-8	4-Chloroaniline	460.	U
87-68-3	Hexachlorobutadiene	460.	U
59-50-7	4-Chloro-3-methylphenol	460.	U
91-57-6	2-Methylnaphthalene	460.	U
77-47-4	Hexachlorocyclopentadiene	460.	U
88-06-2	2,4,6-Trichlorophenol	460.	U
95-95-4	2,4,5-Trichlorophenol	2300.	U
91-58-7	2-Chloronaphthalene	460.	U
88-74-4	2-Nitroaniline	2300.	U
131-11-3	Dimethylphthalate	460.	U
208-96-8	Acenaphthylene	460.	U
606-20-2	2,6-Dinitrotoluene	460.	U

WMT 6/23/89

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EQ255

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4354B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2300.	U
83-32-9	Acenaphthene	650.	
51-28-5	2,4-Dinitrophenol	2300.	U
100-02-7	4-Nitrophenol	2300.	U
132-64-9	Dibenzofuran	470.	
121-14-2	2,4-Dinitrotoluene	460.	U
84-66-2	Diethylphthalate	460.	U
7005-72-3	4-Chlorophenyl-phenylether	460.	U
86-73-7	Fluorene	990.	
100-01-6	4-Nitroaniline	2300.	U
534-52-1	4,6-Dinitro-2-methylphenol	2300.	U
86-30-6	N-Nitrosodiphenylamine (1)	460.	U
101-55-3	4-Bromophenyl-phenylether	460.	U
118-74-1	Hexachlorobenzene	460.	U
87-86-5	Pentachlorophenol	2300.	U
85-01-8	Phenanthrene	8700.	E
120-12-7	Anthracene	1300.	
84-74-2	Di-n-butylphthalate	460.	U
206-44-0	Fluoranthene	16000.	E
129-00-0	Pyrene	7400.	E
85-68-7	Butylbenzylphthalate	460.	U
91-94-1	3,3'-Dichlorobenzidine	910.	U
56-55-3	Benzo(a)anthracene	5100.	
218-01-9	Chrysene	5000.	
117-81-7	bis(2-Ethylhexyl)phthalate	11000.	E
117-84-0	Di-n-octylphthalate	460.	U
205-99-2	Benzo(b)fluoranthene	5800.	
207-08-9	Benzo(k)fluoranthene	2000.	
50-32-8	Benzo(a)pyrene	3800.	
193-39-5	Indeno(1,2,3-cd)pyrene	2300.	
53-70-3	Dibenz(a,h)anthracene	440.	J
191-24-2	Benzo(g,h,i)perylene	1900.	

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EQ255

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4354B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 27. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY79 RE

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4366B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450.	U
111-44-4	bis(2-chloroethyl)ether	450.	U
95-57-8	2-Chlorophenol	450.	U
541-73-1	1,3-Dichlorobenzene	450.	U
106-46-7	1,4-Dichlorobenzene	450.	U
100-51-6	Benzyl alcohol	450.	U
95-50-1	1,2-Dichlorobenzene	450.	U
95-48-7	2-Methylphenol	450.	U
108-60-1	bis(2-chloroisopropyl)ether	450.	U
106-44-5	4-Methylphenol	450.	U
621-64-7	N-Nitroso-di-n-propylamine	450.	U
67-72-1	Hexachloroethane	450.	U
98-95-3	Nitrobenzene	450.	U
78-59-1	Isophorone	880.	~~B~~ U
88-75-5	2-Nitrophenol	450.	U
105-67-9	2,4-Dimethylphenol	450.	U
65-85-0	Benzoic acid	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	450.	U
120-83-2	2,4-Dichlorophenol	450.	U
120-82-1	1,2,4-Trichlorobenzene	450.	U
91-20-3	Naphthalene	450.	U
106-47-8	4-Chloroaniline	450.	U
87-68-3	Hexachlorobutadiene	450.	U
59-50-7	4-Chloro-3-methylphenol	450.	U
91-57-6	2-Methylnaphthalene	450.	U
77-47-4	Hexachlorocyclopentadiene	450.	U
88-06-2	2,4,6-Trichlorophenol	450.	U
95-95-4	2,4,5-Trichlorophenol	2300.	U
91-58-7	2-Chloronaphthalene	450.	U
88-74-4	2-Nitroaniline	2300.	U
131-11-3	Dimethylphthalate	450.	U
208-96-8	Acenaphthylene	450.	U
606-20-2	2,6-Dinitrotoluene	450.	U

LWA 6/23/89

50

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EAY79 RE

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4366B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2300.	U
83-32-9	Acenaphthene	450.	U
51-28-5	2,4-Dinitrophenol	2300.	U
100-02-7	4-Nitrophenol	2300.	U
132-64-9	Dibenzofuran	450.	U
121-14-2	2,4-Dinitrotoluene	450.	U
84-66-2	Diethylphthalate	450.	U
7005-72-3	4-Chlorophenyl-phenylether	450.	U
86-73-7	Fluorene	450.	U
100-01-6	4-Nitroaniline	2300.	U
534-52-1	4,6-Dinitro-2-methylphenol	2300.	U
86-30-6	N-Nitrosodiphenylamine (1)	450.	U
101-55-3	4-Bromophenyl-phenylether	450.	U
118-74-1	Hexachlorobenzene	450.	U
87-86-5	Pentachlorophenol	2300.	U
85-01-8	Phenanthrene	450.	U
120-12-7	Anthracene	450.	U
84-74-2	Di-n-butylphthalate	450.	U
206-44-0	Fluoranthene	370.	J
129-00-0	Pyrene	450.	U
85-68-7	Butylbenzylphthalate	450.	U
91-94-1	3,3'-Dichlorobenzidine	900.	U
56-55-3	Benzo(a)anthracene	450.	U
218-01-9	Chrysene	450.	U
117-81-7	bis(2-Ethylhexyl)phthalate	450.	U
117-84-0	Di-n-octylphthalate	450.	U
205-99-2	Benzo(b)fluoranthene	230.	J
207-08-9	Benzo(k)fluoranthene	450.	U
50-32-8	Benzo(a)pyrene	450.	U
193-39-5	Indeno(1,2,3-cd)pyrene	450.	U
53-70-3	Dibenz(a,h)anthracene	450.	U
191-24-2	Benzo(g,h,i)perylene	450.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EAY79 RE

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4366B

Level: (low/med) LOW Date Received: 5/10/89

% Moisture: not dec. 26. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 7/89

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	8.11	500.	J
2.	- -	UNKNOWN	15.45	800.	J
3.	644-30-4	BENZENE, 1-(1,5-DIMETHYL-4-H	18.49	300.	J
4.	128-37-0	PHENOL, 2,6-BIS(1,1-DIMETHYL	18.97	200.	J
5.	- -	UNKNOWN	21.05	600.	J
6.	54932-78-4	PHENOL, 4-(2,2,3,3-TETRAMETH	21.85	500.	J
7.	- -	UNKNOWN	21.98	500.	J
8.	104-40-5	PHENOL, 4-NONYL-	22.09	300.	J
9.	- -	UNKNOWN C18 HYDROCARBON	23.17	200.	J
10.	- -	UNKNOWN HYDROCARBON	23.30	400.	J
11.	10544-50-0	MOLECULAR SULFUR	25.97	4000.	J
12.	- -	UNKNOWN	26.57	300.	J
13.	- -	UNKNOWN HYDROCARBON	27.36	200.	J
14.	- -	UNKNOWN HYDROCARBON	28.54	300.	J
15.	- -	UNKNOWN	30.33	700.	J
16.	- -	UNKNOWN	31.16	5000.	J
17.	- -	UNKNOWN	33.08	9000.	J
18.	- -	UNKNOWN	33.51	900.	J
19.	- -	UNKNOWN	33.88	800.	J
20.	- -	UNKNOWN	34.20	2000.	J
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FORM I SV-TIC 1/87 Rev.

RECEIVED
JUN 1 1 1989
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK ST.
CHICAGO, ILLINOIS 60605

CASE NARRATIVE-EMSIN

EMS LABORATORIES, INDIANAPOLIS, INDIANA

CASE NUMBER 11919
SDG NUMBER EAY79

The following samples were analyzed for volatiles, semi-volatiles and pesticides/PCBs under contract 68-W8-0044.

EPA #s (EMSIN #s):
EAY79 (123418), EAY80 (123419), EQ255 (123416), EQ256 (123417), ET531 (123413), ET532 (123414), ET533 (123415).

Volatile analysis- There is a peak at 2.5 minutes in VBLK2 and VBLK3. This peak also shows up in ET533 and EAY80RE analyzed with VBLK3. The source of this peak is under investigation. In sample ET533, acetone overloaded the detector, causing two peaks which were added together as the result. Upon consultation with EPA Region V (Dave Payne, in the absence of DPO Pat Churilla), and with reference to a memo by Joan Fisk regarding acetone in samples, it was decided not to re-analyze (dilute) for acetone. This sample also contained 2-propanol, which was reported in the same manner. Difluorobenzene was used as the internal standard for this calculation because 2-propanol concealed the bromo-chlorobenzene peak.

The MS/MSD samples were spiked with all the compounds. This was not noticed until after the holding period was over. The analyst has been informed that these samples must be spiked with the standard containing only the 5 MS/MSD compounds. The recoveries in the MS were low, making the %RPD's greater than the QC limits. This was probably an error in spiking the sample, since the internal standard areas are fine. The areas of difluorobenzene and chlorobenzene-d5 are below the 50% QC limit in the MSD. The recovery of the spiking compounds was within the limits, so the MSD was not repeated.

ET 533 contains large peaks which were not reported. These are due to carryover from previous samples. These were not present in 2 previous analyses of the sample which were unacceptable for other reasons (areas of internal standard didn't pass).

EAY80 was analyzed twice, the internal standards were out both times. Both analyses will be billed.

Semi-volatile analysis- The % difference for bis(2-chloroisopropyl)ether in the continuing calibration standard for 6/6/89 (>4349B) is 160%. The peaks in the initial calibration and the continuing calibration were checked and they were all correct. There is no explanation for this (the same stock solution was used for all standards); however, this compound wasn't detected in any samples so it didn't affect any calculations.

Isophorone and 2,2,4,4-tetramethyl-3-pentanone were both detected in the blank and the majority of the samples. These compounds have shown up recently in soil preps. The acetone and the sodium sulfate and all other steps in the extraction of soils which differ from water preps are being investigated to determine the source.

Many of the internal standards didn't meet the specified criteria when run straight. Both the original and dilution are reported in this packet, but TIC's are not calculated for the non-diluted analysis (since the internal standards were so low). Dilution of ET531 (1:5) was not enough to bring all internal standards into compliance, d_{10}-phenanthrene was still a little low. Since there were many compounds which would be diluted out if re-analyzed (and there were only 2 TCL compounds calculated against this internal standard), the decision was made not to dilute further. A 1:50 dilution of ET532 was necessary to bring butylbenzyl-phthalate and bis(2-ethylhexyl)phthalate into the calibration range.

The dilution of ET533 cleaned up the matrix enough so that dibenz(a,h)anthracene was identifiable.

The matrix caused a problem with surrogate recovery in EAY79. (The dilutions of the other samples had recoveries out of compliance also, not unexpectedly) This sample was analyzed twice, both having more than 2 surrogates out of compliance. This sample, which was spiked and spike duplicated showed high recoveries for these compounds also. The matrix interference of the internal standards seems to be the explanation.

Pesticide/PCB analysis-Only pesticides which were confirmed are reported. A 30m X 0.53mm ID DB-608 column was used as the primary analysis column. The DBC % deviation are all less than 1.5 %. Preliminary analysis of the ET and EQ extracts showed that dilution was necessary in order to see any peaks. The recovery of dieldrin in the MS/MSD was extremely high due to a large interference peak in the sample which eluted at the same time as dieldrin on the primary column.

The linearity of compounds (except dibutylchlorendate) on the confirmation column is greater than 10%. This column is used only for confirmation and the % differences in the IND standards are within the 20% confirmation criteria.

The volatiles data package pages are numbered from 1-180. The semi-volatiles section was numbered starting at 1 by mistake. This numbering was continued through the pesticides section.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Susan Brotherton

Susan Brotherton
Organic Section Leader/CLP Project Manager
June 13, 1989

2B
SOIL VOLATILE SURROGATE RECOVERY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
1	VBLK1	101	101	101		0
2	EQ255	102	94	107		0
3	EQ256	99	96	107		0
4	EAY79	99	97	106		0
5	EAY80	110	91	109		0
6	VBLK2	102	104	99		0
7	ET532	107	98	89		0
8	ET533MS	110	93	98		0
9	ET533MSD	111	93	101		0
10	VBLK3	99	99	99		0
11	ET533	102	91	96		0
12	EAY80 RE	112	85	103		0
13	ET531	109	105	96		0
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		QC LIMITS
S1 (TOL)	= Toluene-d8	(81-117)
S2 (BFB)	= Bromofluorobenzene	(74-121)
S3 (DCE)	= 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
1	SBLK1	96	98	108	94	92	76		0
2	ET531	19 *	68	48	34	118	25		1
3	ET532	87	90	106	82	87	54		0
4	ET533	103	117 *	75	92	110	55		1
5	EQ255	109	129 *	93	99	120	71		1
6	EAY79	121 *	123 *	82	123 *	146 *	82		4
7	ET531 DL	144 *	126 *	100	139 *	192 *	61		4
8	ET532 DL	130 *	119 *	96	115 *	95	84		3
9	ET533 DL	105	114	97	105	108	119		0
10	EQ255 DL	100	116 *	94	112	104	118		1
11	EQ256	108	115	106	110	116	134 *		1
12	EAY79 RE	112	128 *	103	127 *	124 *	167 *		4
13	EAY79MS	91	98	82	94	121	95		0
14	EAY79MSD	89	103	86	99	121	79		0
15	EAY80	106	100	85	98	113	96		0
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		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d6	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

1

FORM II SV-2 1/87 Rev.

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (DBC)#	OTHER
1	PBLK	67	
2	ET531	87	
3	ET532	150	
4	ET533	82	
5	EQ255	75	
6	EQ256	60	
7	EAY79	66	
8	EAY80	72	
9	EAY79MS	64	
10	EAY79MSD	57	
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S1 (DBC) = Dibutyl chlorendate ADVISORY QC LIMITS (20-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

543

FORM II PEST-2 1/87 Rev.

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix Spike - EPA Sample No.: ET533 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.	0.	39.	79.	59-172
Trichloroethene	50.	8.	43.	69.	62-137
nzene	50.	0.	44.	89.	66-142
Toluene	50.	0.	47.	94.	59-139
Chlorobenzene	50.	0.	42.	84.	60-133

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.	50.	99.	23. *	22	59-172
Trichloroethene	50.	60.	104.	40. *	24	62-137
Benzene	50.	57.	114.	24. *	21	66-142
Toluene	50.	57.	114.	19.	21	59-139
lorobenzene	50.	53.	106.	23. *	21	60-133

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

* Values outside of QC limits

RPD: 4 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix Spike - EPA Sample No.: EAY79 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Phenol	9009.	0.	7727.	86.	26- 90
2-Chlorophenol	9009.	0.	8905.	99.	25-102
1,4-Dichlorobenzene	4505.	0.	3661.	81.	28-104
N-Nitroso-di-n-prop.(1)	4505.	0.	4946.	110.	41-126
1,2,4-Trichlorobenzene	4505.	0.	3961.	88.	38-107
4-Chloro-3-methylphenol	9009.	0.	7090.	79.	26-103
Acenaphthene	4505.	0.	3661.	81.	31-137
4-Nitrophenol	9009.	0.	8709.	97.	11-114
2,4-Dinitrotoluene	4505.	0.	5146.	114. *	28- 89
Pentachlorophenol	9009.	0.	7374.	82.	17-109
Pyrene	4505.	0.	3306.	73.	35-142

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	9009.	8144.	90.	5.	35	26- 90
2-Chlorophenol	9009.	9312.	103. *	4.	50	25-102
1,4-Dichlorobenzene	4505.	4069.	90.	11.	27	28-104
N-Nitroso-di-n-prop.(1)	4505.	4633.	103.	7.	38	41-126
1,2,4-Trichlorobenzene	4505.	4001.	89.	1.	23	38-107
4-Chloro-3-methylphenol	9009.	6205.	69.	13.	33	26-103
Acenaphthene	4505.	3661.	81.	0.	19	31-137
4-Nitrophenol	9009.	9631.	107.	10.	50	11-114
2,4-Dinitrotoluene	4505.	4605.	102. *	11.	47	28- 89
Pentachlorophenol	9009.	8289.	92.	12.	47	17-109
Pyrene	4505.	3347.	74.	1.	36	35-142

(1) N-Nitroso-di-n-propylamine

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

* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 4 out of 22 outside limits

COMMENTS:

2

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix Spike - EPA Sample No.: EAY79 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	45.05	.00	35.62	79.	46-127
Heptachlor	45.05	.00	34.13	76.	35-130
Aldrin	45.05	.00	29.94	66.	34-132
Dieldrin	112.61	.00	233.68	208. *	31-134
Endrin	112.61	.00	71.76	64.	42-139
4,4'-DDT	112.61	.00	85.73	76.	23-134

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	45.05	38.04	84.	7.	50	46-127
Heptachlor	45.05	36.67	81.	7.	31	35-130
Aldrin	45.05	33.16	74.	10.	43	34-132
Dieldrin	112.61	225.87	201. *	3.	38	31-134
Endrin	112.61	82.27	73.	14.	45	42-139
4,4'-DDT	112.61	90.56	80.	5.	50	23-134

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Lab File ID: 0481D Lab Sample ID:

Date Analyzed: 5/11/89 Time Analyzed: 11:42

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 7002

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	EQ255		0485D	15:19
2	EQ256		0486D	16:08
3	EAY79		0487D	16:59
4	EAY80		0488D	17:47
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COMMENTS:

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FORM IV VOA 1/87 Rev.

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Lab File ID: 0561D Lab Sample ID:

Date Analyzed: 5/17/89 Time Analyzed: 11:00

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 7002

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	ET532		0564D	13:56
2	ET533MS		0570D	18:57
3	ET533MSD		0571D	19:47
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COMMENTS:

4

FORM IV VOA 1/87 Rev.

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Lab File ID: 0581D Lab Sample ID:

Date Analyzed: 5/18/89 Time Analyzed: 11:01

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 7002

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	ET533		0589D	18:03
2	EAY80 RE		0590D	18:53
3	ET531		0593D	21:25
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COMMENTS:

5

FORM IV VOA 1/87 Rev.

4B
SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Lab File ID: 4350B Lab Sample ID:

Date Extracted: 5/12/89 Extraction:(SepF/Cont/Sonc) SONC

Date Analyzed: 6/ 6/89 Time Analyzed: 11:24

Matrix: (soil/water) SOIL Level:(low/med) LOW

Instrument ID: 8702

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	ET531		4351B	6/ 6/89
2	ET532		4352B	6/ 6/89
3	ET533		4353B	6/ 6/89
4	EQ255		4354B	6/ 6/89
5	EQ256		4355B	6/ 6/89
6	EAY79		4356B	6/ 6/89
7	ET531 DL		4361B	6/ 7/89
8	ET532 DL		4362B	6/ 7/89
9	ET533 DL		4363B	6/ 7/89
10	EQ255 DL		4364B	6/ 7/89
11	EQ256		4365B	6/ 7/89
12	EAY79 RE		4366B	6/ 7/89
13	EAY79MS		4394B	6/ 9/89
14	EAY79MSD		4395B	6/ 9/89
15	EAY80		4396B	6/ 9/89
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COMMENTS:

3

FORM IV SV 1/87 Rev.

4C
PESTICIDE METHOD BLANK SUMMARY

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Lab Sample ID: BLA-36 Lab File ID: A2614

Matrix: (soil/water) SOIL Level:(low/med) LOW

Date Extracted: 5/12/89 Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed (1): 5/15/89 Date Analyzed (2): 5/15/89

Time Analyzed (1): 19:32 Time Analyzed (2): 20:13

Instrument ID (1): 9004#5 Instrument ID (2): 9004#5

GC Column ID (1): DB-608 GC Column ID (2): DB-5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	ET531	123413	5/15/89	5/15/89
2	ET532	123414	5/15/89	5/15/89
3	ET533	123415	5/15/89	5/15/89
4	EQ255	123416	5/15/89	5/16/89
5	EQ256	123417	5/16/89	5/16/89
6	EAY79	123418	5/16/89	5/16/89
7	EAY80	123419	5/16/89	5/16/89
8	EAY79MS	123418	5/16/89	
9	EAY79MSD	123418	5/16/89	
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Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0481D

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	14.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0481D

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 5/11/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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9.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0561D

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 5/17/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	14.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0561D

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 5/17/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	2.51	20.	J
2.					
3.					
4.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0581D

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	19.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene (total)	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
1330-20-7	Xylene (total)	5.	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK3

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 5. (g/mL) G Lab File ID: 0581D

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. Date Analyzed: 5/18/89

Column: (pack/cap) PACK Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	2.53	30.	J
2.					
3.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4350B

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330.	U
111-44-4	bis(2-chloroethyl)ether	330.	U
95-57-8	2-Chlorophenol	330.	U
541-73-1	1,3-Dichlorobenzene	330.	U
106-46-7	1,4-Dichlorobenzene	330.	U
100-51-6	Benzyl alcohol	330.	U
95-50-1	1,2-Dichlorobenzene	330.	U
95-48-7	2-Methylphenol	330.	U
108-60-1	bis(2-chloroisopropyl)ether	330.	U
106-44-5	4-Methylphenol	330.	U
621-64-7	N-Nitroso-di-n-propylamine	330.	U
67-72-1	Hexachloroethane	330.	U
98-95-3	Nitrobenzene	330.	U
78-59-1	Isophorone	630.	
88-75-5	2-Nitrophenol	330.	U
105-67-9	2,4-Dimethylphenol	330.	U
65-85-0	Benzoic acid	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U
120-83-2	2,4-Dichlorophenol	330.	U
120-82-1	1,2,4-Trichlorobenzene	330.	U
91-20-3	Naphthalene	330.	U
106-47-8	4-Chloroaniline	330.	U
87-68-3	Hexachlorobutadiene	330.	U
59-50-7	4-Chloro-3-methylphenol	330.	U
91-57-6	2-Methylnaphthalene	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U
88-06-2	2,4,6-Trichlorophenol	330.	U
95-95-4	2,4,5-Trichlorophenol	1700.	U
91-58-7	2-Chloronaphthalene	330.	U
88-74-4	2-Nitroaniline	1700.	U
131-11-3	Dimethylphthalate	330.	U
208-96-8	Acenaphthylene	330.	U
606-20-2	2,6-Dinitrotoluene	330.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4350B

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700.	U
83-32-9	Acenaphthene	330.	U
51-28-5	2,4-Dinitrophenol	1700.	U
100-02-7	4-Nitrophenol	1700.	U
132-64-9	Dibenzofuran	330.	U
121-14-2	2,4-Dinitrotoluene	330.	U
84-66-2	Diethylphthalate	330.	U
7005-72-3	4-Chlorophenyl-phenylether	330.	U
86-73-7	Fluorene	330.	U
100-01-6	4-Nitroaniline	1700.	U
534-52-1	4,6-Dinitro-2-methylphenol	1700.	U
86-30-6	N-Nitrosodiphenylamine (1)	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U
118-74-1	Hexachlorobenzene	330.	U
87-86-5	Pentachlorophenol	1700.	U
85-01-8	Phenanthrene	330.	U
120-12-7	Anthracene	330.	U
84-74-2	Di-n-butylphthalate	330.	U
206-44-0	Fluoranthene	330.	U
129-00-0	Pyrene	330.	U
85-68-7	Butylbenzylphthalate	330.	U
91-94-1	3,3'-Dichlorobenzidine	670.	U
56-55-3	Benzo(a)anthracene	330.	U
218-01-9	Chrysene	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate	330.	U
117-84-0	Di-n-octylphthalate	330.	U
205-99-2	Benzo(b)fluoranthene	330.	U
207-08-9	Benzo(k)fluoranthene	330.	U
50-32-8	Benzo(a)pyrene	330.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U
53-70-3	Dibenz(a,h)anthracene	330.	U
191-24-2	Benzo(g,h,i)perylene	330.	U

(1) - Cannot be separated from diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

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

Sample wt/vol: 30. (g/mL) G Lab File ID: 4350B

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 6/ 6/89

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	- -	UNKNOWN	4.02	2000.	J
2.	815-24-7	3-PENTANONE, 2,2,4,4-TETRAME	8.14	700.	J
3.					
4.					
5.					
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29.					
30.					

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK

Lab Name: EMSIN Contract: 68-W8-0044

Lab Code: EMSIN Case No.: 11919 SAS No.: SDG No.: EAY79

Matrix: (soil/water) SOIL Lab Sample ID: BLA-36

Sample wt/vol: 30. (g/mL) G Lab File ID: A2614

Level: (low/med) LOW Date Received: 0/ 0/ 0

% Moisture: not dec. 0. dec. 0. Date Extracted: 5/12/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 5/15/89

GPC Cleanup: (Y/N) N pH: .0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.0	U
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	16.	U
72-55-9	4,4'-DDE	16.	U
72-20-8	Endrin	16.	U
33213-65-9	Endosulfan II	16.	U
72-54-8	4,4'-DDD	16.	U
1031-07-8	Endosulfan sulfate	16.	U
50-29-3	4,4'-DDT	16.	U
72-43-5	Methoxychlor	80.	U
53494-70-5	Endrin ketone	16.	U
5103-71-9	alpha-Chlordane	80.	U
5103-74-2	gamma-Chlordane	80.	U
8001-35-2	Toxaphene	160.	U
12674-11-2	Arochlor-1016	80.	U
11104-28-2	Arochlor-1221	80.	U
11141-16-5	Arochlor-1232	80.	U
53469-21-9	Arochlor-1242	80.	U
12672-29-6	Arochlor-1248	80.	U
11097-69-1	Arochlor-1254	160.	U
11096-82-5	Arochlor-1260	160.	U

SAMPLE PROPOSAL
FIT REGION V

1. Date Form Completed 4/17/89

2. Account # FIL06045A TDD # ~~F05-8707-007~~ F05-8904-023

EPA I.D. # ILD980896757

3. Site Name, City, State Film Recovery Systems Chips
Elk Grove Village, Illinois

4. Team Leader Ted Nehrkorn Sampler Tim Mayers

5. Number and Type of Samples:

Soil/Sediment 7 Surface Water _____ Ground Water _____

Residential/Municipal Wells _____ Other _____

Number of Blanks _____ Number of Duplicates _____

6. RAS Parameters Requested:

A/B/N ✓ Pest/PCB ✓ Volatiles ✓ Metals ✓ Cyanide ✓

SAS Parameters Requested: _____

7. Expected Sampling Date(s): May 9, 1989

Expected Shipping Date(s): May 9, 1989

8. Lab Used For Analysis: Organic EMSIN (soils)

Inorganic LAUCKS (soils)

SAS —

9. Case Number 11919 SAS Number —

10. Airbill Numbers:

Organic Lab EMSIN 3940625220 # Coolers _____ # Samples 7 soils 5/9/89

Inorganic Lab LAUCKS 9488690654 # Coolers _____ # Samples 7 sols

CRL/SAS Lab _____ # Coolers _____ # Samples _____

complete
called in

Time Collected: _____ Lab # 05746 JUN29

Date Collected: 6/27/83

SPECIAL ANALYSIS FORM

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

6-27-1-(1-5)

6-27-2-(1-5)

PHYSICAL OBSERVATIONS, REMARKS: decon. film chips

RECEIVED JUL 0 1983 ILL. E.P.A. - D.L.P.C. STATE OF ILLINOIS

TESTS REQUESTED: CYANIDE

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: JUN 30 1983

Daugherty

Composite A	Composite B
mixer 1	mixer 2
1-5	1-5
CN = <2.5 ppm	CN = <2.5 ppm
1 gram composite / 500 ml	1 gram composite / 500 ml
gave no reading.	gave no reading.

Environmental Protection Agency
Bureau of Laboratory Services
2200 W. Taylor Street

IL 532-0314
LPC 8A 6/77

(NOT FOR DATA PROCESSING)

Time Collected: 3:25 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 6/27/83

Date Received 05000 JUN27

X 301

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Chicago/Aldens

Chips treated in batch 6-27 2-2

PHYSICAL OBSERVATIONS, REMARKS: Blue plastic chips from treatment.

TESTS REQUESTED: C ≡ N

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED:

C N - 10 gram composite/500 ml. gave a 0.04 reading

Ag - 0.07

RECEIVED

JUL 27 1983

ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

J Daugherty

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services

Time Collected: 3:28 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 6/27/83

Date Received 05667 JUN27

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

E101

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	0314401S

SOURCE OF SAMPLE: (Exact Location) Chicago / Aldens

From batch 6-27-2-2

treatment water.

PHYSICAL OBSERVATIONS, REMARKS:

Strong Rx w/ metals present.

Yellowish - turbid.

TESTS REQUESTED: C≡N

Ag

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Glenn Sternard

LABORATORY

RECEIVED BY: M. Ind

DATE COMPLETED:

DATE FORWARDED: JUL 15 1983

J. Daugherty

CN- 75.0

Ag - 5.1

m/liter

IL 532-0314
LPC 33 1-77

(NOT FOR DATA PROCESSING)

0005667

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor St.

Time Collected:

Date Collected: 6/28/83

SPECIAL ANALYSIS FORM

Lab # 05745

Date Received JUN29

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

6-28-1-(1-9)

6-28-2-(1-8)

PHYSICAL OBSERVATIONS, REMARKS: decon. film chips

RECEIVED JUL 05 1983 ILL. E.P.A. - D.L.P.C. STATE OF ILLINOIS

TESTS REQUESTED: CYANIDE

COLLECTED BY: Glenn J. Schmal TRANSPORTED BY: Glenn J. Schmal

LABORATORY

RECEIVED BY: M. Trocha DATE COMPLETED: DATE FORWARDED: JUN 30 1983

J Daughert

Composite A	Composite B
mixer 1	mixer 2
1-9	1-8
CN = 1 ppm	CN = 1 ppm
10 gram Composite / 500 ml	10 gram Composite / 500 ml
gave a reading of 0.02.	gave a reading of 0.02

IL 532-0314
IPC RA 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2200 W Tomlee Street

Time Collected: _____ Lab # 05782 JUN30

Date Collected: 6/29/83 SPECIAL ANALYSIS FORM Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Batches 629-1-(1-11)

629-2-(1-10)

PHYSICAL OBSERVATIONS, REMARKS: drum - film chips

RECEIVED JUL 05 1983 ILL. E.P.A. - D.L.P.C. STATE OF ILLINOIS

TESTS REQUESTED: CYANIDE

COLLECTED BY: TRANSPORTED BY:

LABORATORY

RECEIVED BY: DATE COMPLETED: DATE FORWARDED: JUL 1 1983

Composite A	Composite B
mixer 1	mixer 2
batches 1-11	batches 1-10
10 gram Composite / 500 ml	10 gram Composite / 500 ml
gave a 0.015 reading	gave a 0.015 reading

C005782

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

C005782

Time Collected: _____

Date Collected: 6 /30/83

SPECIAL ANALYSIS FORM

Lab # 00019 JUL 11

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

6-30-1 (1-12)

6-30-2 (1-13)

PHYSICAL OBSERVATIONS, REMARKS: Blue [illegible] [illegible]

TESTS REQUESTED: CYANIDE

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED: JUL 7 1983

Dougherty

Composite A	Composite B
Mixer 1	Mixer 2
batches 1-12	batches 1-13
10 gram Composite / 500 ml	10 gram composite / 500 ml
gave a 0.02 reading.	gave a 0.01 reading.

RECEIVED

JUL 08 1983

ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS
Environmental Protection Agency
Division of Land/Noise

IL 532-0314 C000019

(NOT FOR DATA PROCESSING)

Time Collected: _____ Lab # 00031

SPECIAL ANALYSIS FORM

Date Collected: 7 / 1 /83 Date Received JUL 5

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Batch 7-1-1-(1-14)
7-1-2-(1-13)

PHYSICAL OBSERVATIONS, REMARKS: Blue decon film chips

TESTS REQUESTED: CYANIDE

COLLECTED BY: Petrochem TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: JUL 7 1983

J Daugherty

Composite A	Composite B
mixer 1	mixer 2
batches 1-14	batches 1-13
10 gram composite / 500 ml	10 gram composite / 500 ml
gave a 0.025 reading	gave a 0.03 reading.

RECEIVED

JUL 8 1983

ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

IL 532-0314 C000031 (NOT FOR DATA PROCESSING)

00051 JULIC

Time Collected: _____ Lab #

SPECIAL ANALYSIS FORM

Date Collected: 7/5/83 Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Batch # 7-5-1-(1-7)
7-5-2-(1-6)

PHYSICAL OBSERVATIONS, REMARKS: Dzcon film chips

TESTS REQUESTED: CYANIDE

COLLECTED BY: Petrochem TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED JUL 7 1983

J Daugherty

Composite A	Composite B
miper 1	miper 2
batches 1-7	batches 1-6
10 gram composite / 500 ml	10 gram composite / 500 ml
gave a reading of 0.01.	gave a reading of 0.01.

RECEIVED
JUL 08 1983
ILL. E.P.A. – D.L.P.C.

STATE OF ILLINOIS
Division of Laboratory Services
1431 W. Taylor Street

IL 532-0314 IPC 86 4/77 C000051 (NOT FOR DATA PROCESSING)

Time Collected: 2:35pm

Date Collected: 7/5/83

SPECIAL ANALYSIS FORM

Lab # 00032 JUL 83

Date Received

X 302

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Dewatering box in decon process chips from batch 7-5-1-4

PHYSICAL OBSERVATIONS, REMARKS: Blue Plastic film chips decon'd.

TESTS REQUESTED: CYANIDE

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: JUL 7 1983

J Daugherty

CN - 10 gram Composite/500 ml
gave a reading of 0.05.

RECEIVED

JUL 08 1983

ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

IL 532-0314 C000032

(NOT FOR DATA PROCESSING)

Time Collected: 2:30p

Date Collected: 7/5/83

SPECIAL ANALYSIS FORM

Lab # 00033 JUL 85

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

E102

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Discharge pipe into sanitary sewer - from 5000g tanker.

PHYSICAL OBSERVATIONS, REMARKS: strong chlorine smell turbid yellow green color

TESTS REQUESTED: CYANIDE, Ag-

COLLECTED BY: Glenn J. Stanek TRANSPORTED BY: Glenn J. Stanek

LABORATORY

RECEIVED BY: A. Tuchek DATE COMPLETED: DATE FORWARDED: J Daugherty

CN - 34.0

Ag - 3.2

RECEIVED

JUL 27 1983

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
IPC BA 4/77

C000033

(NOT FOR DATA PROCESSING)

Time Collected: _____ Lab # 00097 JUL87

SPECIAL ANALYSIS FORM

Date Collected: 7/6/83 Date Received July 7, 1983

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Batch # 76-1 - ~~(1-11)~~ (1-12)
7-6-2 ~~(1-12)~~ (1-10)

PHYSICAL OBSERVATIONS, REMARKS: Decon film chips blue

TESTS REQUESTED: CYANIDE

COLLECTED BY: Petrochem TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED: JUL 12 1983

J Daugherty

Composite A	Composite B
number 1	number 2
batches 1-12	batches 1-10
10 gram sample	10 gram 1500 ml
composite	composite
gave a 0.025 reading	gave a 0.025 reading

RECEIVED

JUL 13 1983

Time Collected: Lab #

SPECIAL ANALYSIS FORM

Date Collected: 7 17 /83 Date Received 00109 JUL 08

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

Batch 7-7-1 (1-7)

7-7-2 (2-6) (1-6)

PHYSICAL OBSERVATIONS, REMARKS: decontaminated film chips

TESTS REQUESTED: CYANIDE

COLLECTED BY: Petrochem TRANSPORTED BY:

LABORATORY

RECEIVED BY: DATE COMPLETED: DATE FORWARDED: JUL 12 1983

J Daugherty

Composite A	Composite B
[illegible]	[illegible]
batches 1-7	batches 1-6
10 grams - 1500 ml	10 grams - 1500 ml
Composite	Composite
gave a 0.01 reading	gave a 0.015 reading

RECEIVED

JUL 13 1983

ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

01 - LP41

Time Collected: 3:40pm

Date Collected: 7/12/83

Lab #

SPECIAL ANALYSIS FORM

Date Received 0 449 JUL 25

E104

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

east sewer at Petrochem process area north lot at Alden

PHYSICAL OBSERVATIONS, REMARKS:

clear liquid with brown oil-like sheen floating on top.

TESTS REQUESTED: CYANIDE, silver, cadmium Cyanide

COLLECTED BY: Mary Stenpaeder TRANSPORTED BY: Mary Stenpaeder

LABORATORY

RECEIVED BY: M. Jeh DATE COMPLETED: DATE FORWARDED: AUG -9 1983

P. Makarchuk

Ag - 0.04
Cd - 0.00
Cn - 0.37

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C000449

01 LP41

Time Collected: 3:30pm

Date Collected: 7/12/83

SPECIAL ANALYSIS FORM

Lab # 0 450 JUL25

Date Received

E103 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY SYSTEMS	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/ALDENS

west sewer at Retrochem process area-north lot at Aldens

PHYSICAL OBSERVATIONS, REMARKS:

clear liquid with a light oil sheen

TESTS REQUESTED: CYANIDE, Silver, Cadmium Cyanide

COLLECTED BY: Mary Stenpeder TRANSPORTED BY: Mary Stenpeder

LABORATORY

RECEIVED BY: M. Jacob DATE COMPLETED: DATE FORWARDED: AUG. -9. 1983

P. Makarchuk

Ag - 0.02
Cd - 0.00
Cr - 0.09

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C000450

01
LP41

RUSH (import.)

Time Collected: 508-521pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/1/83

Date Received 0 642 AUG 2

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
E 104 Cook	Elk Grove / ~~Fish Recovery~~ Fish Recovery	0314015

SOURCE OF SAMPLE: (Exact Location) Chicago / Aldens

discharge from dewatering box to tanker, obtained at pump. composite of 4

PHYSICAL OBSERVATIONS, REMARKS: strong "chlorine" odor, high suspended solids. strong Rx with metals preservative dark-green

METALS bottle overflow (Rx)

TESTS REQUESTED: CN^- total solids. PH

Cd, Cr(total) Cu, Fe, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: Glenn Stenzel / MSD TRANSPORTED BY: Glenn Stenzel

LABORATORY

RECEIVED BY: M. J. [illegible] DATE COMPLETED: DATE FORWARDED: AUG 22 1983 J Daugherty

Cr (total) - 1.3 mg/liter

Tot Solids - 305

Cd - 0.30

Cr - 5.5

Cu - 0.02

Fe - 25.0

Pb - 0.69

MN - 1.24

Ni - 1.8

Ag - 4.75

ZN - 0.6

pH - 9.5

RECEIVED
AUG 24 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPCSA 4/77

C000642

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP 411

RUSH (import.)

Time Collected: 709 - 729 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/1/83

Date Received 0 643 AUG 2

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / ~~Elk Grove~~ Film Recovery	0314 4015

SOURCE OF SAMPLE: (Exact Location) Chicago Alden discharge from dewatering box to tanker, obtained at pump. composite of 4

PHYSICAL OBSERVATIONS, REMARKS: Strong "chlorine" odor. high suspended solids. strong Rx with metals preservative, dark green

TESTS REQUESTED: CN^- total solids pH
Cd, Cr (total), Cu, Fe, Pb, Mn, Ni, Ag Zn.

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: AUG 22 1983

Cr - 93 mg/liter
Tot Solids - 290
pH - 9.3
Cd - 0.39
Cr - 5.0
Cu - 0.15
Fe - 30.9
Pb - 0.75
MN - 1.30
Ni - 4.0

Ag - 3.75
Zn - 2.2
pH - 9.3

Dougherty

RECEIVED
AUG 24 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

C000643

01
LP41 Rosh!

Time Collected: 9:16am

Date Collected: 8/4/83

Lab #

SPECIAL ANALYSIS FORM

Date Received 0 659 AUG 4

X201

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Rosemont Florito

Truck # 832 Tractor/trk F 23832

re: American Photo Kemi

PHYSICAL OBSERVATIONS, REMARKS: Blue FRS film chips.

TESTS REQUESTED: CN^- total free Ag

COLLECTED BY: Glen Stern TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED AUG 22 1983

J Daugherty

~~Cn~~

Ag 0.27 mg/liter

total Cyanide = 70.5 mg/kg (ppm)

soluble Cyanide = 10 gram sample / 500 ml deion. water gave a 0.600 mg reading.

RECEIVED

AUG 24 1983

EPA - IL/EL
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000659

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street

01
LP41 RUSH!

Time Collected: 9:24 Am

Date Collected: 8/4/83

Lab #

SPECIAL ANALYSIS FORM

Date Received 0 660 AUG 4

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 20A

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Rosemont/Fiorito

Truck # 40122 Freehaut AUF-258225

re: AMERICAN PHOTO CHEM

PHYSICAL OBSERVATIONS, REMARKS: Blue FRS Film Chips.

TESTS REQUESTED: CN^- total, free Ag

COLLECTED BY: Jim Stanek TRANSPORTED BY: Mary Simpacher

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

Ag — <0.01 mg/liter

total Cyanide = 85.4 mg/kg (ppm)

soluble cyanide = 10 gram sample / 500 ml deion water gave a 0.015 mg reading

RECEIVED

AUG 24 1983

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC BA 4/77

C000660 (NOT FOR DATA PROCESSING)

01
LP41 Rush!

Time Collected: 1054 AM

Lab # 0 685 AUG 4

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 203

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Foto Kemi drum X203 From Fiorito Rosemont.

PHYSICAL OBSERVATIONS, REMARKS: unprocessed film chips

TESTS REQUESTED: CN^- total, free Ag

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: R. Modi 2:45 pm DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

total CN^- = 78.8 mg/kg (ppm)

soluble CN^- = ~~10~~ 10 gram sample/500ml deion. water gave a 0.600 mg reading.

Ag - 1.0 mg/liter

RECEIVED
AUG 24 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000685

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street

01
LP41 Rus(!

Time Collected: 10:54 AM

Date Collected: 8/4/83

Lab # 0 686 AUG 4

SPECIAL ANALYSIS FORM

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 204

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Foto Kemi
from drum sample X204
From Fiorito - Rosemont

PHYSICAL OBSERVATIONS, REMARKS: unprocessed film Chips

TESTS REQUESTED: CN^- total, free Ag

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: R. Modi 2:45PM DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

total cyanide = 108.3 mg/kg (ppm)

soluble cyanide = 10 gram sample / 500 ml deion. water gave a 0.035 mg reading.

Ag — 0.19 mg/liter

RECEIVED
AUG 24 1983
D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000686

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41 Rush!

0 687 AUG 4

Time Collected: 11 30am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 205

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove Vill / American Photo Kemi from chips X 203 wash out - liquid after washing of 60 lb of chips.

PHYSICAL OBSERVATIONS, REMARKS: Bluish color w/ sediment pH 10+

TESTS REQUESTED: CN^- ~~free~~ total pH
Ag Cd, Cr, Cu, Fe, Pb, Mn Ni Zn total sus. solids

COLLECTED BY: [signature] / Bob Ay TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: R. Modi 2:45PM DATE COMPLETED: DATE FORWARDED: AUG 22 1983

Ag - 1.6
Cd 0.01
Cr - 0.13
Cu - 0.18
Fe - 1.0
Pb - < 0.03
Mn - 0.01
Ni - 0.0
Zn - 0.2

pH - 11.7
T. Susp Solids - 310
CN^- (total) - 0.21 mg/liter

J Daughert

RECEIVED
AUG 24 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000687

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Springfield, Illinois 62705

01
LP41 [redacted]

0 688 AUG 4

Time Collected: 12:35pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 206

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove V. / American Photo Kemi

From chip sample X204 - wash-out liquid after wash out of 60 lb of chips -

PHYSICAL OBSERVATIONS, REMARKS: Fluid color

pH >10

TESTS REQUESTED: CN^- ~~Free~~, total pH

Ag Cd Cr, Cu, Fe, Pb, Mn, Ni, Zn total sus. solids

COLLECTED BY: [signature] / Bob Day NSI TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: R. Modi 2:45pm DATE COMPLETED: DATE FORWARDED: AUG 22 1983

Ag - 1.4
Cd - 0.02
Cr - 0.53
Cu - 0.15
Fe - 2.7
Pb - <0.03
Mn - 0.07
Ni - 0.1
Zn - 0.1
Pb - <0.03

T. Susp. Solids - 200
pH - 12.2
CN^- (total) - 0.98 mg/liter

RECEIVED
AUG 24 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

J Dougherty

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

C000688

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

01
LP41

Rush!

Time Collected: 1135AM

Lab # 0 689 AUG 4

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X207

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Photo Kemi from drum sample X203

PHYSICAL OBSERVATIONS, REMARKS: Decontaminated film chips

TESTS REQUESTED: CN^- total, free Ag

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: R. Modi 2:45pm DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

Ag - 0.08

total cyanide - < 0.8 mg/kg (ppm)

soluble cyanide - 10 gram sample / 500 ml deion. water gave a 0.015 mg reading.

RECEIVED

AUG 24 1983

E.P.A. - D.L.S.

IL 532-0314
LPC 8A 4/77

C000689

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
9511 W. Taylor Street
Chicago, Illinois 60612

01
LP41

Rush!

0 690 AUG 4

Time Collected: 12:25 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 208

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove Vill / American Photo Kemi

From drum sample X 204

PHYSICAL OBSERVATIONS, REMARKS: decontaminated film chips.

TESTS REQUESTED: CN^- free, total Ag.

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: R. Modi 2:45 pm DATE COMPLETED: DATE FORWARDED: AUG 22 1983

[signature]

~~Cn~~

Ag - 0.06 mg/liter

RECEIVED

AUG 24 1983

E.P.A. - B.L.P.C.
STATE OF ILLINOIS

total cyanide - 1.6 mg/kg (ppm)

soluble cyanide - 10 gram sample / 500 ml deion. wat gave a 0.015 reading.

IL 532-0314
LPC 8A 4/77

C000690

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41 Rush!

0 692 AUG 4

Time Collected: 1:15 PM

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 210

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Village / Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Photo Kemi
Process liquid 1hr AFTER PROCESSING
60 lbs of chips from sample drum X 204

PHYSICAL OBSERVATIONS, REMARKS: Brownish opaque w/ solids

TESTS REQUESTED: CN^- ~~free~~ total
Ag, Cd, Cr, Cu, Fe, Pb, Mn, Ni, Zn ~~total suspended solid~~

COLLECTED BY: Glen St. O/Bob Day TRANSPORTED BY: Glen St.

LABORATORY

RECEIVED BY: R. Modi 2.45pm DATE COMPLETED: DATE FORWARDED: AUG 22 1983 J Daugherty

Ag - 2.8
Cd - 0.04
Cr - 5.0
Cu - interference (no reading obtainable)
Fe - 1.5
Pb - 0.12
Mn - 0.10
Ni - 0.0
Zn - 1.1

CN^- (total) = 13.7 mg/liter

RECEIVED
AUG 24 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000692

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41

Time Collected: 8:20 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/5/83

Date Received 00710 AUG 15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 211

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Photokemi

Rinse tank liquid after ≈ 20 hrs. from tank process of X203

PHYSICAL OBSERVATIONS, REMARKS: Pale blue

TESTS REQUESTED: CN^- total ~~Free~~ pH

Ag Cd Cr Cu Fe Pb Mn Ni Zn.

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: M Sadler DATE COMPLETED: DATE FORWARDED: AUG 22 1983

CN(total) = 0.16 mg/liter ZN - 0.0 J Dougherty

pH - 10.3

Ag - 0.26

Cd - 0.00

Cr - 0.06

Cu - 0.07

Fe - 0.1

Pb - <0.05

Mn - 0.02

Ni - 0.0

RECEIVED
AUG 24 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000710

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41

Time Collected: 8 25 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/5/83

Date Received 711 AUG 5

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 212

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	0314405

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Rinse tank liquid after >20 hrs from process of K201

PHYSICAL OBSERVATIONS, REMARKS: pale blue

TESTS REQUESTED: CN^- total ~~Fe~~ pH

Ag Cd Cr Cu Fe Pb Mn Ni Zn

COLLECTED BY: [illegible] / Bob Day TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED: AUG 22 1983

Cr (total) = 0.67 mg/liter Zn – 0.0 J Daugherty

pH – 11.9

Ag – 0.13

Cd – 0.00

Cr – 0.29

Cu – 0.01

Fe – 0.4

Pb – <0.05

MN – 0.01

Ni – 0.0

RECEIVED
AUG 24 1983
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STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000711

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP 46

Time Collected: 830 am

Date Collected: 8/5/83

SPECIAL ANALYSIS FORM

Lab # 00712

Date Received AUG 5

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: X213 Cook	FILE HEADING: Elk Grove V. / Film Recovery	FILE NUMBER: 03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Process tank liquid after > 20 hrs process of X203

PHYSICAL OBSERVATIONS, REMARKS: Pale yellow

TESTS REQUESTED: CN^- total ~~Fe~~ pH

Ag Cd Cr Cu Fe Pb Mn Ni Zn

COLLECTED BY: Glen Sherwood / Bob Day TRANSPORTED BY: Glen Sherwood

LABORATORY

RECEIVED BY: M. Jacobson DATE COMPLETED: DATE FORWARDED: AUG 22 1983

Cr (total) = 1.9 mg/liter Zn - 1.6 J Daugherty

pH - 13.3

Ag - 6.6

Cd - 0.05

Cr - 1.7

Cu - 0.08

Fe - 1.4

Pb - 0.39

Mn - 0.20

Ni - 0.0

RECEIVED
AUG 24 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000712

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Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LPA1

Time Collected: 840 AM

Date Collected: 8/5/83.

Lab # 00713 AUG 5

SPECIAL ANALYSIS FORM

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 214

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove V. / Film Recovery	0314401 5

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Process tank liquid after >20 hrs from process of x 204

PHYSICAL OBSERVATIONS, REMARKS: strong yellow color

TESTS REQUESTED: CN^- total ~~Fres~~ pH.

Ag Cd Cr Cu Fe Pb Mn Ni Zn

COLLECTED BY: [illegible] / B. Day TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED: AUG 22 1983

Cr (total) = 2.1 mg/liter Zn - 1.3 J Daugherty

pH - 13.4

Ag - 4.8

Cd - 0.05

Cr - 4.8

Cu - 0.00

Fe - 2.0

Pb - 0.29

MN - 0.17

Ni - 0.0

RECEIVED
AUG 24 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000713

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41

Time Collected: 8:50 AM

Date Collected: 8/5/83

Lab #

SPECIAL ANALYSIS FORM

Date Received 00714 AUG 15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 215

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove V. / Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Rinse tank sludge from rinse tank of X 203

PHYSICAL OBSERVATIONS, REMARKS: light blue floes w/ clear liquid

TESTS REQUESTED:

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

CN^- (total) - 0.08 mg/liter

Cr - 1.0
Cd - 0.20
Pb - 0.19
Ag - 0.13
Fe - 10.0

RECEIVED
AUG 24 1983
E.P.A. - STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000714 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP411

Time Collected: 8:57

Date Collected: 8/5/83

Lab #

SPECIAL ANALYSIS FORM

Date Received 00715 AUG 15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 216

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove V. / Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Rinse tank sludge from mass of processed x 204

PHYSICAL OBSERVATIONS, REMARKS: Light gray floce w/ clear liquid

TESTS REQUESTED:

COLLECTED BY: Glenn Stennard TRANSPORTED BY: Glenn Stennard

LABORATORY

RECEIVED BY: M Jadhe DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

CN⁻ (total) – 0.03 mg/liter

Cr - 3.4
Cd - 0.24
Pb - 0.26
Ag - 0.15
Fe - 22.3

RECEIVED
AUG 24 1983
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000715

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP 41

Time Collected: 9:10 AM
Date Collected: 8/5/83.

SPECIAL ANALYSIS FORM

Lab # 00716
Date Received AUG 15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 217

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove V. / Film Recovery	0314 4015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Process tank sludge from process of X 203 chips (note: one bag of chips broke into liquid during process)

PHYSICAL OBSERVATIONS, REMARKS: Royal blue liquid w/ film chips

TESTS REQUESTED:

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

CN⁻ (total) - 0.05 mg/liter

Cr - 4.7
Cd - 0.04
Pb - 0.23
Ag - 5.4
Fe - 0.8

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AUG 24 1983
E.P.A.
STATE OF ILLINOIS

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC 8A 4/77

C000716

(NOT FOR DATA PROCESSING)

01
LPH

Time Collected: _____ Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/5/83 Date Received 00717 AUG 5

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: X218 Cook	FILE HEADING: Elk Grove V. / Film Recovery	FILE NUMBER: 0314 4015

SOURCE OF SAMPLE: (Exact Location) Elk Grove / American Fotokemi

Process Sludge (gs). from process of x204 Chips

PHYSICAL OBSERVATIONS, REMARKS:

TESTS REQUESTED:

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

CN - (total) — 0.17 mg/liter

Cr - 26.5
Cd - 0.04
Pb - 0.24
Ag - 2.6
Fe - 1.1

RECEIVED
AUG 24 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C000717 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP 41

Time Collected: 11:00-11:15 AM
Date Collected: 8-26-83

SPECIAL ANALYSIS FORM

Lab # 01339 AUG26
Date Received _____

E107

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Cook
FILE HEADING: Elk Grove/Film Recovery
FILE NUMBER: 03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/Aldens Composite Sample from tanker storing discharge from dewatering box

PHYSICAL OBSERVATIONS, REMARKS: high solids, strong reaction when placed in metals bottle

TESTS REQUESTED: CN^- total solids Pb Cd Cr(total), Cu, Fe, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: Mary Langordy
TRANSPORTED BY:

LABORATORY

RECEIVED BY: R. Modi 12:20pm
DATE COMPLETED:
DATE FORWARDED: SEP. 14. 1983

CN^- 56.0 } mg/l
solids - 23 }

J Dougherty

pH - Pb - 9.1
Cd - 0.06
Cr tot - 3.1
Cu - 0.01
Fe - 10.6 } mg/l
Pb - 0.17
Mn - 0.28
Ni - 1.5
Ag - 4.0
Zn - 0.1

RECEIVED
SEP 15 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

(NOT FOR DATA PROCESSING)
C001339

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

P 01
41

Time Collected: 11:10 AM

Date Collected: 8-26-83

SPECIAL ANALYSIS FORM

Lab # 01340 AUG26

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

E108

COUNTY: Cook

FILE HEADING: Elk Grove/Film Recovery

FILE NUMBER: 03144015

SOURCE OF SAMPLE: (Exact Location) Chicago/Aldens grab sample from tanker storing discharge from dewatering box

PHYSICAL OBSERVATIONS, REMARKS: high solids strong reaction when placed in metals bot

TESTS REQUESTED: CN^- total solids Ph
Cd Cr(total), Cu, Fe Pb, Mn, Ni, Ag, Zn

COLLECTED BY: Mary Lemarden

TRANSPORTED BY:

LABORATORY

RECEIVED BY: R Modi 12-20-83

DATE COMPLETED:

DATE FORWARDED: SEP. 14. 1983

J Dougherty

CN^- - 53.5
Solids - 22 } mg/l
Ph - 9.1
Cd - 0.04
Cr tot - 3.1
Cu - 0.01 } mg/l
Fe - 9.9
Pb - 0.20
Mn - 0.23
Ni - 1.9
Ag - 3.4
Zn 0.1

RECEIVED
SEP 15 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
EPA 4/77

(NOT FOR DATA PROCESSING)

C001340

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

P 01 41

Time Collected: 11:15AM

Lab # 01341 AUG26

SPECIAL ANALYSIS FORM

Date Collected: 8-26-83

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
E109 Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/Aldens, Sample from tanker storing discharge from dewatering box

PHYSICAL OBSERVATIONS, REMARKS: high solids, strong reaction when placed in metals bottle.

TESTS REQUESTED: ~~CN~~ total solids Ph Cd Cr(total), Cu, Fe, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: Mary Lenardon TRANSPORTED BY:

LABORATORY

RECEIVED BY: R. Modi 12:20pm DATE COMPLETED: DATE FORWARDED: SEP 14. 1983

Solids - 31 mg/l

Cu - 0.02 mg/l SEP. 14. 1983

Ph - 9.1
Cd - 0.06
Cr tot - 3.1
[redacted]
Fe - 10.0
Pb - 0.18
Mn - 0.28
Ni - 1.4
Ag - 4.0
Zn - 0.1

mg/l

RECEIVED
SEP 15 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

J Daugherty

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C001341

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

P 01
41

Time Collected: 11:20AM Lab # 01342 AUG26

SPECIAL ANALYSIS FORM

Date Collected: 8-26-83 Date Received _____

X#101

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO/Aldens bottom sample from tanker storing discharge from dewatering box - material left in tanker - not discharged to MSD. Chips visible.

PHYSICAL OBSERVATIONS, REMARKS:

TESTS REQUESTED: CN^- total solids Ph
Cd Cr(total), Cu, Fe Pb, Mn, Ni, Ag, Zn

COLLECTED BY: Mary Schroeder TRANSPORTED BY:

LABORATORY

RECEIVED BY: R Modi 12:20 PM DATE COMPLETED: DATE FORWARDED: SEP 14 1983

Cu - 62.0
Solids - 4330 } mg/l
Ph - 9.1
Cd - 0.04
Cr tot - 2.8
Cu - 0.02
Fe - 9.6
Pb - 0.21 } mg/l
Mn - 0.20
Ni - 1.1
Ag - 4.6
Zn - 0.1

J Daugherty

RECEIVED
SEP 15 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

0314
4/77

01
LP41 Rush!

0 691 AUG 4

Time Collected: 12:10 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 8/4/83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 209

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location)

Process liquid 1hr AFTER processing
60 lbs of chips from sample drum x 208

PHYSICAL OBSERVATIONS, REMARKS: Bluish color
ph > 12

TESTS REQUESTED: CN^- ~~free~~, total
Ag Cd, Cr, Cu, Fe, Pb, Mn, Ni, Zn ~~total sus solid~~

COLLECTED BY: Glen Stumel / Bob Day. TRANSPORTED BY: Glen Stumel

LABORATORY

RECEIVED BY: R. Modi 2:45 PM DATE COMPLETED: DATE FORWARDED: AUG 22 1983

J Daugherty

Ag - 6.9
Cd - 0.04
Cr - 1.1
Cu - 0.21
Fe - 1.5
Pb - 0.21
Mn - 0.13
Ni - 0.2
Zn - 1.6

CN^- (total) = 2.8 mg/liter

RECEIVED
AUG 24 1983
E.P.A. - ILL. P.C.
STATE OF ILLINOIS

C000691

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 11:15 AM

Date Collected: 16 May 1983

SPECIAL ANALYSIS FORM

Lab # 04813 MAY 17

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X202

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Rinco	

SOURCE OF SAMPLE: (Exact Location)

Loading dock filled w/ chips.

PHYSICAL OBSERVATIONS, REMARKS: Blue plastic chips

TESTS REQUESTED: C≡N

EP Tox - Ag

pH

COLLECTED BY: Glenn Sternard TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: [signature] DATE COMPLETED: DATE FORWARDED:

Cn - 1100.0 mg/kg (ppm) as rec'd. J Daugherty

pH → initial pH - 10.4

final pH - 4.6

Ag - 27.0 mg/liter

RECEIVED

MAY 31 1983

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004813

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Haz Waste

Time Collected: 10:55

Lab # 04812

SPECIAL ANALYSIS FORM

Date Collected: 16 May 1983

Date Received: MAY 17

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 201

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Village / Rinco	

SOURCE OF SAMPLE: (Exact Location)

Hopper inside bldg. filled with chips w. side of building

PHYSICAL OBSERVATIONS, REMARKS:

Blue Plastic chips

TESTS REQUESTED: C≡N

pH EP Toxic Ag

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Glenn J. Sternard

LABORATORY

RECEIVED BY: M Jadha DATE COMPLETED: DATE FORWARDED: J Daugherty

Cn - 562.5 mg/kg (ppm) as rec'd.

pH → initial pH 10.1

Ag - 5.5 mg/liter final pH 4.1

RECEIVED

MAY 31 1983

EPA - DLPC

STATE OF ILLINOIS

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

Haz Wastes Dist 11

C004812

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois

LP 41
01

RUSH !

C 4584 MAR29'85

C504584

Time Collected: 9:18

Lab # 3:2pm

SPECIAL ANALYSIS FORM

Date Collected: 3-29-85

Date Received

X101

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery (IDOT)	0314400015

SOURCE OF SAMPLE: (Exact Location)

Composite / 7 north 4 west

PHYSICAL OBSERVATIONS, REMARKS: Soil with film Chips

TESTS REQUESTED: Total CN

COLLECTED BY: R. Finnely RF TRANSPORTED BY: TKT

LABORATORY

RECEIVED BY: N J Leake DATE COMPLETED: DATE FORWARDED: APR -3. 1985

J Daugherty

cyanide (total) 102.6 mg/kg

RECEIVED

APR 04 1985

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50458400 PRIORITY : DATE EXPECTED : 04/29/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850329 TIME RECEIVED : 1520 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE/FILM RECOVERY X 101
DATE COLLECTED : 850329 TIME COLLECTED : 0918
COLLECTED BY : R FINLEY DELIVERED BY : TKT
COMMENTS : COMPOSITE / 7 NORTH 4 WEST
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 102.6

LP41
.01

RUSH!
C504581

C 4581 MAR29 '85

Time Collected: 10:30 A.M.

Lab # 3.20 pm

SPECIAL ANALYSIS FORM

Date Collected: 3/29/85

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
X101 Cook County	Elk Grove / Film Recovery (Franklin Pk / Fiorito)	0314400015

SOURCE OF SAMPLE: (Exact Location) Sample No. X101 - Obtained from S.E. portion of property - Top 1-2" of soil / gravel. See site sketch.

PHYSICAL OBSERVATIONS, REMARKS: Brown / Gray soil and crushed stone

TESTS REQUESTED: Total Cyanide Analysis

COLLECTED BY: [illegible] P. Bailey TRANSPORTED BY: TKT

LABORATORY

RECEIVED BY: M. Sadhe DATE COMPLETED: DATE FORWARDED: APR -3 1985

J Daugherty

Cyanide (total) < 0.62 mg/kg

RECEIVED
APR 04 1985
IEPA-DLPC

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50458100 PRIORITY : DATE EXPECTED : 04/29/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850329 TIME RECEIVED : 1520 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE/FILM RECOVERY X 101
DATE COLLECTED : 850329 TIME COLLECTED : 1030
COLLECTED BY : KENNETH BECHELEY DELIVERED BY : TKT
COMMENTS : SAMPLE # X101-OBTAINED FROM S.E. PORTION OF PROPERTY
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : <0.62

L171
01

RUSH!

C 4582 MAR29'85

C504582

3:20 p.m.

Time Collected: 10:45 A.M.

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 3/29/85

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X102

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK COUNTY	ELK GROVE / FILM RECOVERY (FRANKLIN PK. / FORITO)	031440015

SOURCE OF SAMPLE: (Exact Location) SAMPLE NO. X102 - OBTAINED FROM S.E. PORTION OF PROPERTY - TOP 1-2" OF SOIL/GRAVEL. SEE SITE SKETCH.

PHYSICAL OBSERVATIONS, REMARKS: GRAY/BROWN SOIL AND CRUSHED STONE

TESTS REQUESTED: TOTAL CYANIDE ANALYSIS

COLLECTED BY: [signature] TRANSPORTED BY: TKT

LABORATORY

RECEIVED BY: M. Eade DATE COMPLETED: DATE FORWARDED: APR -3 1985

J Daugherty

Cyanide (total) <0.39 mg/kg

RECEIVED
APR 04 1985
IEPA-DLPC

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50458200 PRIORITY : DATE EXPECTED : 04/29/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850329 TIME RECEIVED : 1520 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE RECOVERY X 102
DATE COLLECTED : 850329 TIME COLLECTED : 1045
COLLECTED BY : KENNETH BECKELEY DELIVERED BY : TKT
COMMENTS : SAMPLE # X102-OBTAINED FROM S.E. PORTION OF PROPERTY
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : <0.39

RUSH!

C 4583 MAR29 85

C504583

Time Collected: 10:55 A.M.

Lab # 3:2 of n

SPECIAL ANALYSIS FORM

Date Collected: 3/29/85

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
X103 Cook County	Elk Grove / Film Recovery (Franklin Pk/Fiorito)	0314400015

SOURCE OF SAMPLE: (Exact Location) Sample No. X103 - Obtained from S.E. portion of property - Top 1-2" of soil/gravel. See site sketch.

PHYSICAL OBSERVATIONS, REMARKS: Brown soil with some crushed stone

TESTS REQUESTED: Total Cyanide Analysis

COLLECTED BY: [illegible] P. Bu[illegible]

TRANSPORTED BY: TRT

LABORATORY

RECEIVED BY: M. [illegible]

DATE COMPLETED:

DATE FORWARDED: APR. -3. 1985

J Daugherty

Cyanide (total) <0.66 mg/kg

RECEIVED

APR 04 1985

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street
Chicago, Illinois 60616

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50458300 PRIORITY : DATE EXPECTED : 04/29/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850329 TIME RECEIVED : 1520 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE /FILM RECOVERY X 103
DATE COLLECTED : 850329 TIME COLLECTED : 1055
COLLECTED BY : KENNETH BECHELEY DELIVERED BY : TKT
COMMENTS : SAMPLE # X103-OBTAINED FROM S.E. PORTION OF PROPERTY.
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : <0.66

2 - 10

RUSH

Time Collected: 1:33 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4623 APR 3 85

Date Received

X|D|

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOV. BURLINGTON	0314 4015

SOURCE OF SAMPLE: (Exact Location)

~~BOX~~ CAR # GN 39870 / 8 POINTS ON FLOOR / 6 POINTS ON WALL STUDS

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: N. Jade

DATE COMPLETED:

DATE FORWARDED: APR. -5. 1985

J Daugherty

total cyanide 2.73 mg/kg

RECEIVED
APR 10 1985
IEPA-DLPC

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C504623

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462300 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE/FILM RECOVERY X 101
DATE COLLECTED : 850402 TIME COLLECTED : 1333
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : CAR # 39870/8 POINT ON FLOOR/6 POINTS ON WALL STUDS WOOD SHAVINGS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 2.73

IEPA-DLPC

RUSH

Time Collected: 1:52 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4625 APR 3 '85

Date Received

X103

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOV. / BURLINGTON	03144015

SOURCE OF SAMPLE: (Exact Location)

BOX CAR BN 246085 / 6 POINTS ON WALL STUDS

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: N Leach

DATE COMPLETED:

DATE FORWARDED: APR. -5. 1985

J Daugherty

total cyanide 6.83 mg/kg

IEPA DLPC

IL 532-0314
LPC 8A 4/77

C504625

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462500 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 103
DATE COLLECTED : 850403 TIME COLLECTED : 1352
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR BN 246085/6 POINTS ON WALLS STUDS WOOD SHAVINGS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE.TOT.SW846 METHOD 9010 MG/KG : 6.83

APR 10 1985
IEPA-DLPC

3-10

RUSH

Time Collected: 1:48

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4624

Date Received APR 3 85

X102

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOV/ BURLINGTON	03144015

SOURCE OF SAMPLE: (Exact Location)

BOX CAR SLSF 40540 / 6 POINTS ON WALL STUDS

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED.

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. [illegible]

DATE COMPLETED:

DATE FORWARDED: APR -5. 1985

J Daugherty

total cyanide 2.41 mg/kg

RECEIVED
APR 16 1985
IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504624

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2125 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462400 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOVERY X 102
DATE COLLECTED : 850402 TIME COLLECTED : 1348
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR SLSF 40540/6 POINTS ON WALLS STUDS WOOD SHAVINGS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 2.41

APR 10 1985

IEPA-DLPC

5-10

KUSH

Time Collected: 2:05 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4626

Date Received APR 3 '85

X104

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOV. / BURLINGTON	03144015

SOURCE OF SAMPLE: (Exact Location)

BOX CAR GN 36938 / 8 POINTS ON FLOOR / 8 POINTS ON SIDE STUDS.

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. I. [illegible] DATE COMPLETED: DATE FORWARDED: APR. -5. 1985

J Dougherty

total cyanide 1.43 mg/kg

RECEIVED

APR 10 1985

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504626

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462600 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 104
DATE COLLECTED : 850402 TIME COLLECTED : 1402
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR GN 36938/8 POINTS ON FL./8 POINTS ON SIDE STUDS WOOD SHAV
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 1.43

IEPA-DLPC

6-10

KUSH

Time Collected: 2:10 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4627

Date Received APR-3 8

X105

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: COOK

FILE HEADING: ELK GROVE FILM RECOVERY/ BURLINGTON

FILE NUMBER: 03144015

SOURCE OF SAMPLE: (Exact Location)

BOX CAR BN 246092 / 6 POINTS ON WALL STUDS.

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. Ind

DATE COMPLETED:

DATE FORWARDED: APR -5. 1985

J Dougherty

total cyanide 0.86 mg/kg

RECEIVED

APR 30 1985

LPA-DLPC

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC 8A 4/77

C504627

(NOT FOR DATA PROCESSING)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462700 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 105
DATE COLLECTED : 850402 TIME COLLECTED : 1410
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR BN 246092/6 POINTS ON WALL STUDS WOOD SHAVINGS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 0.86

IEPA-DLPC

1-10

KUSH

Time Collected: 2:22 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4628 APR-3 85

Date Received

X106

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOVERY/ BURLINGTON	0314401S

SOURCE OF SAMPLE: (Exact Location)

BOX CAR 329375 / 8 POINTS ON FLOOR / 6 POINTS ON SIDE STUDS

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. Lacho

DATE COMPLETED:

DATE FORWARDED: APR -5 1985

J Dougherty

total cyanide 1.38 mg/kg

RECEIVED

APR 10 1985

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504628

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462800 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 106
DATE COLLECTED : 850402 TIME COLLECTED : 1422
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR 329375/8 POINTS ON FL./6 POINTS ON SIDE STUDS WOOD SHAVIN
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 1.38

APR 10 1985

IEPA-DLPC

RUSH

Time Collected: 2:30P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4629 APR-3 85

Date Received

X 107

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOVERY/ BURLINGTON	03144015

SOURCE OF SAMPLE: (Exact Location)

BOX CAR B&O 49490 / 4 POINTS ON FORWARD WALL.

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED.

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. Jadhav

DATE COMPLETED:

DATE FORWARDED: APR. -5. 1985

J Daugherty

total cyanide 1.40 mg/kg

RECEIVED

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C504629

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50462900 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 107
DATE COLLECTED : 850402 TIME COLLECTED : 1430
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR B&O 49490/4 POINTS ON FORWARD WALL. WOOD SHAVINGS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 1.40

APR 10 1985

IEPA-DLPC

9-10

KUSH

Time Collected: 2:47 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C 4630

Date Received APR 3 8

X108

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOVERY/ BURLINGTON	03144015

SOURCE OF SAMPLE: (Exact Location)

BOX CAR GN 138273/ 8 POINTS ON FLOOR

PHYSICAL OBSERVATIONS, REMARKS:

WOOD SHAVINGS

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. Fulton

DATE COMPLETED:

DATE FORWARDED: APR. -5. 1985

J. Daugherty

total cyanide 2.30 mg/kg

RECEIVED

APR 10 1985

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504630

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50463000 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 108
DATE COLLECTED : 850402 TIME COLLECTED : 1447
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR GN 138273/8 POINTS ON FLOOR WOOD SHAVINGS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 2.30

RECEIVED
[illegible] 1985
IEPA-DLPC

10-10

KUSH

Time Collected: 3:02 P

Date Collected: 4-2-85

SPECIAL ANALYSIS FORM

Lab # C4631

Date Received APR-3

X 109

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE FILM RECOVERY/ BURLINGTON	0314401S

SOURCE OF SAMPLE: (Exact Location)

BOX CAR BN 332152 / CRACKS BETWEEN METAL FLOOR / SCRAPINGS OFF WALLS

PHYSICAL OBSERVATIONS, REMARKS:

CHAULK, HARD PAINT, GRIT

TESTS REQUESTED: TOTAL CYANIDE

SW 846 PROCEDURES MUST BE FOLLOWED

COLLECTED BY: RF

TRANSPORTED BY: RF

LABORATORY

RECEIVED BY: M. Tesla

DATE COMPLETED:

DATE FORWARDED: APR. -5. 1985

J Daugherty

total cyanide 1.07 mg/kg

RECEIVED

APR 10 1985

IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504631

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50463100 PRIORITY : DATE EXPECTED : 05/01/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850403 TIME RECEIVED : 0848 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE FILM RECOV./BURLINGTON X 109
DATE COLLECTED : 850402 TIME COLLECTED : 1502
COLLECTED BY : R FINLEY DELIVERED BY : RF
COMMENTS : BOX CAR BN 332152/CRACKS BETWEEN METAL FL./SCRAPINGS OFF WALLS
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : 1.07

RECEIVED
APR 10 1985
IEPA-DLPC

LP41
01

RUSH

For D. Haschemeyer

Time Collected: 9:00AM Needs by 4/15 am Lab #

SPECIAL ANALYSIS FORM

Date Collected: 4/11/85 Date Received C4770 APR 11 85

X101

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook Co	Elk Grove Village/Film Recovery (HBE)	0314400015

SOURCE OF SAMPLE: (Exact Location) Composite of stone from the NW portion of the site, approx 6' E of the fence line. Beginning at the NW corner of the property going S approx 40' then every 10' for another 40'

PHYSICAL OBSERVATIONS, REMARKS: Limestone.

TESTS REQUESTED: Total CN

COLLECTED BY: C Gould TRANSPORTED BY:

LABORATORY

RECEIVED BY: M Lodha DATE COMPLETED: DATE FORWARDED: APR 17 1985

Total CN = 1.64 mg/kg. J Daugherty

RECEIVED
APR 18 1985
IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504770 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50477000 PRIORITY : DATE EXPECTED : 05/10/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850411 TIME RECEIVED : 1100 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE VILLAGE/FILM RECOVERY X 101
DATE COLLECTED : 850411 TIME COLLECTED : 0900
COLLECTED BY : C GOULD DELIVERED BY : CG
COMMENTS : COMPOSITE OF STONE FROM THE NW PORTION OF THE SITE RUSH
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT,SW846 METHOD 9010 MG/KG : 1.64

RECEIVED
APR 18 1985
IEPA-DLPC

KUSIT

For D. Haschemeyer
Needs by 4/15 am

Time Collected: 9:10 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 4/11/85

Date Received: C 4771 APR 11 85

X102

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook Co	Elk Grove Village / Film Recovery (HBE)	0314400015

SOURCE OF SAMPLE: (Exact Location) Composite of soil from the E side of the site approx 40' W of the fence line. Beginning at the NE corner of the site, going approx 60' South then every 10' for approx 30'

PHYSICAL OBSERVATIONS, REMARKS: Lime stone, some with blue stains

TESTS REQUESTED: Total CN

COLLECTED BY: C Gould

TRANSPORTED BY:

LABORATORY

RECEIVED BY: M Lodha

DATE COMPLETED:

DATE FORWARDED: APR 17 1985

Total CN = 16.35 mg/kg

J Dougherty

RECEIVED
APR 18 1985
IEPA/DLPC

IL 532-0314
LPC 8A 4/77

C504771

(NOT FOR DATA PROCESSING)

Illinois Environmental Protection Agency
Bureau of Laboratory Services
2200 W. Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50477100 PRIORITY : DATE EXPECTED : 05/10/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850411 TIME RECEIVED : 1100 RECEIVED BY : NJA
FUNDING CODE : LP41 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE VILLAGE/FILM RECOVERY X 102
DATE COLLECTED : 850411 TIME COLLECTED : 0910
COLLECTED BY : C GOULD DELIVERED BY : CG
COMMENTS : COMPOSITE OF SOIL FROM THE EAST SIDE OF THE SITE.
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE.TOT.SW846 METHOD 9010 MG/KG : 16.35

RECEIVED

APR 18 1985

[illegible]

ecial
(1) Sampling Purpose 01 Kush
(2) Waste
(3) Other Program Code LP 42 Unit Code K

01 - Special Request
02 - Criminal enforcement
03 - Emergency response
04 - Routine Sampling

Time Collected: 3:40 pm

Date Collected: 3-27-85

SPECIAL ANALYSIS FORM

Lab # C 4586 MAR29 09 3

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

SAMPLE# X101

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery Summit / Eagle	0314400015

SOURCE OF SAMPLE: (Exact Location)

A 5 point composite sample collected from the top 3" of soil about 5 yds south of the Eagle Trailer / Summit Park property line fence

~~PHYSICAL OBSERVATIONS, REMARKS~~: (2 yds north of the park access road). The first point was even with the SW corner of the Eagle fence and following pts. were every 25 yds east.

TESTS REQUESTED:

CYANIDE (total)

COLLECTED BY: Charles Gruntman TRANSPORTED BY: (initials) TKT

LABORATORY

RECEIVED BY: M. Ibadhn DATE COMPLETED: DATE FORWARDED APR -3 1985

J Daugherty

CYANIDE (total) ⟹ <0.74 mg/kg

RECEIVED
APR 04 1985
IEPA-DLPC

IL 532-0314
LPC 8A 4/77

C504586

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W Taylor Street
Chicago, Illinois 60612

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY LIMS/2000

SAMPLE NUMBER : C50458600 PRIORITY : DATE EXPECTED : 04/29/85
PARAMETER GROUP : LABORATORY : C
DATE RECEIVED:850329 TIME RECEIVED : 1520 RECEIVED BY : NJA
FUNDING CODE : LP42 AGENCY ROUTING : 00 UNIT CODE :
SAMPLE TYPE CODE : LPSP SAMPLE PURPOSE CODE : 1
PW PERMIT # : REPORTING INDICATOR :
SUBMITTING SOURCE # : SAMPLING PROGRAM :
SAMPLING POINT DESC. : ELK GROVE/FILM RECOVERY X101
DATE COLLECTED : 850327 TIME COLLECTED : 1540
COLLECTED BY : C GRUNTMAN DELIVERED BY : TKT
COMMENTS : A 5 POINT COMP. SAMPLE COLLECTED FROM THE TOP 3" OF SOIL
PW DATE BOTTLES SENT : ORIGINAL SAMPLE # :
PW REPORTING CYCLE : SAMPLE REJECT CODE :
LAB OBSERVATIONS :
SUPERVISORS INITIALS : JWD
CYANIDE,TOT.SW846 METHOD 9010 MG/KG : <0.74

LP41 -01

Time Collected: 1:25pm

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00058

Date Received JUL 6 8

XV 201

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	ELK GROVE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS gravel-soil taken from Aldens parking lot where treatment and/or transfer of film Chi had occurred.

PHYSICAL OBSERVATIONS, REMARKS: ≤ 4' N of trailer # 3 - see site sketc Surface Sample

TESTS REQUESTED: CN

COLLECTED BY: Mary Schwede TRANSPORTED BY: Mary Schwede

LABORATORY

RECEIVED BY: M. Jacobson DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

CN - 58.5

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000058

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Springfield, Illinois 62706

LP41 -01

Time Collected: 1:30p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00059

Date Received JUL 6

XV 202

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: ≅ 10' south of trailer # 3 - ~~see site~~ sketch surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schwarzley TRANSPORTED BY: Mary Schwarzle

LABORATORY

RECEIVED BY: M. Jo [illegible] DATE COMPLETED: DATE FORWARDED JUL. 13. 1984

CN - 21.2

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000059

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois [illegible]

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

LP41 -01

Time Collected: 1:35p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00060 JUL 6

Date Received

XV 203

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

≅ 15' South of trailer #4 see site sketch surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. Jeche DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

CN -0.46

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000060

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:40p

Date Collected: 7-2-84

Lab #

SPECIAL ANALYSIS FORM

Date Received C00061 JUL 6

XV 204

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

≅20' south of trailer #6 - see site sketch

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. Lamb DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN - 0.18

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED

JUL 17 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000061

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:45p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00062 JUL 6

Date Received

XV 205

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chi had occurred.

PHYSICAL OBSERVATIONS, REMARKS: ≅3' North of trailer #6 - ~~see site sketch~~ surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schwaede TRANSPORTED BY: Mary Schwaede

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED JUL. 13. 1984

CN - 0.15

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED

JUL 12 1984

E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

C000062

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:50p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00063

Date Received JUL 6

XV 206

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Cook

FILE HEADING: Elk Grove/Film Recovery

FILE NUMBER: 03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred

PHYSICAL OBSERVATIONS, REMARKS: ≅ 4' N of Trailer # 19 see site sketch

Surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. J. [illegible] DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN - 0.22 mg/kg (ppm) J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000063

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2125 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:55p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00064

Date Received JUL 6 '84

XV 207

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred

PHYSICAL OBSERVATIONS, REMARKS:

≅ 15' south of trailer # 12 see site sketch surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: N. Todhan DATE COMPLETED: DATE FORWARDED JUL 13 1984

CN - 0.17 mg/kg (ppm) J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000064

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible] W. Baylor Street
[illegible], Illinois 62012

LP4[redacted]-01

Time Collected: 2:00P

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00065

Date Received JUL 16

XV208

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: ≅ 50' south of trailer 21 ~~see site sketch~~ surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. [illegible] DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN - 0.25 mg/kg (ppm) J Dougherty

SAMPLE RESULTS ARE [illegible] MG/ [illegible]

RECEIVED

JUL 17 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000065

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

LP41 -01

Time Collected: 2:05p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00066

Date Received JUL 6

XV209

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film Chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: ≅ 2' NE of NE leg of water tower surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: N J [illegible] DATE COMPLETED: DATE FORWARDED: 13. 1984

CN - 0.05 mg/kg (ppm) J Daugherty

RECEIVED
JUL 17 1984
EPA - DLPC
STATE OF ILLINOIS

C000066

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 2:10P

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00067 JUL 6

Date Received

XV 210

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Cook

FILE HEADING: Elk Grove / Film Recovery

FILE NUMBER: 0314401 5

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chips had occurred ≤ 50' south of trailer # 29 surface

PHYSICAL OBSERVATIONS, REMARKS:

TESTS REQUESTED: CN

COLLECTED BY: Mary Schwerdey

TRANSPORTED BY:

LABORATORY

RECEIVED BY: M Jeschke

DATE COMPLETED:

DATE FORWARDED: JUL. 13. 1984

CN - 0.26 mg/kg (ppm)

J Dougherty

RECEIVED

JUL 17 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000067

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 2:15p

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 7-2-84

Date Received C00068 JUL 6 84

XV211 [redacted]

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film Chic had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

[redacted]

≅ 5' west of the SW corner of trailer # 27 surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M Jacobson DATE COMPLETED: DATE FORWARDED JUL. 13. 1984

CN - 0.45 mg/kg (ppm) J Daugherty

RECEIVED
JUL 17 1984
E.P.A. - L.P.C.
STATE OF ILLINOIS

C000068

Environmental Protection Agency
Division of Laboratory Services
[redacted]

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

LP41 -01

Time Collected: 2:20pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 7-2-84

Date Received: C000069 JUL 16

XY212

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: - surface ≅ 50 south of trailer # 40 see site sketch

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. Jordan DATE COMPLETED: DATE FORWARDED: JUL 13 1984

J Daugherty

CN - 0.09 mg/kg (ppm)

RECEIVED
JUL 17 1984
E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

C000069

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2200 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 2:25pm

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00070

Date Received: JUL 6

XV213 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: [redacted] - Surface ≅ 12' north of trailer # 36 see site sketch

TESTS REQUESTED: CN

COLLECTED BY: Mary Schrader TRANSPORTED BY: Mary Schrader

LABORATORY

RECEIVED BY: M Jo[illegible] DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

CN - 1.01 mg/kg (ppm) J Dougherty

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000070

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

LP41 -01

Time Collected: 12:45p

Lab # C00071 JUL 6

SPECIAL ANALYSIS FORM

Date Collected: 7-2-84

Date Received

XV214

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

≤ 4' north of trailer # 7 surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. Jordan DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

J Daugherty

CN - 0.22 mg/kg (ppm)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000071

Environmental Protection Agency
Division of Laboratory Services
[redacted] W. Taylor Street
[redacted]

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

E101

Time Collected: 11:00 AM

Date Collected: 2/29/84

SPECIAL ANALYSIS FORM

Lab # 4023

Date Received FEB 29 84

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE/FILM RECOVERY	0314 4015

SOURCE OF SAMPLE: (Exact Location) CHICAGOLAND PROCESSING Sewer Discharge

PHYSICAL OBSERVATIONS, REMARKS: LIGHT BROWN Slightly Turbid

TESTS REQUESTED: Cr TOTAL + Free
Silver
TSS Cr Ni Fe

COLLECTED BY: M SCHROEDER TRANSPORTED BY: M. SCHROEDER

LABORATORY

RECEIVED BY: N. Todd DATE COMPLETED: DATE FORWARDED: MAR 23 1984

J Daugherty

Tot. Cr 0.09
Free Cr 0.0 (amenable to chlorination)
Ag 3.2
TSS 100
Cr 0.09
Ni 0.0
Fe 0.3

RESULTS EXPRESSED IN ~~MG/LITER UNLESS~~ OTHERWISE SPECIFIED.

RECEIVED
MAR 26 1984
~~E.P.A. — D.L.P.C.~~
STATE OF ILLINOIS

IL 532-0314
LPC BA 4/77

(NOT FOR DATA PROCESSING)

C004023

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

X101

Time Collected: 11:15 AM

Date Collected: 2/29/84

Lab #

SPECIAL ANALYSIS FORM

Date Received C 4024 FEB29

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X101

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	0314 4015

SOURCE OF SAMPLE: (Exact Location) CHICAGOLAND Processing

[redacted]

Baskets at end of reclaimation process

PHYSICAL OBSERVATIONS, REMARKS: Blue Chips

TESTS REQUESTED: Cr Total + Free

Silver — E.P. Toxicity

COLLECTED BY: Mary Schroeder TRANSPORTED BY: M Schroeder

LABORATORY

RECEIVED BY: M. Eolh DATE COMPLETED: DATE FORWARDED: MAR 23 1984

Tot Cr — < 0.34 mg/kg (ppm) J Daugherty

Free Cr — Insufficient Sample

Ag — < 0.01 mg/liter

Initial pH — 7.7

Final pH — 3.9

RECEIVED

MAR 26 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004024

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

X201

Time Collected: 11:05 AM

Date Collected: 2/29/84

SPECIAL ANALYSIS FORM

Lab # C 4025 FEB29 84

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	ELK GROVE / FILM RECOVERY	031 44015

SOURCE OF SAMPLE: (Exact Location) Process TANK

CHICAGOLAND PROCESSING

PHYSICAL OBSERVATIONS, REMARKS: Clear liquid with Black suspended solids

TESTS REQUESTED: Silver + CN Free + TOTAL
E.P. Toxicity

COLLECTED BY: M. SCHROEDER TRANSPORTED BY: M. SCHROEDER

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE MAR 23 1984 FORWARDED: J Daugherty

Total Cr — 0.02
Free Cr — Insufficient sample
Ag — <0.01

RESULTS EXPRESSED IN MG/LITER UNLESS OTHERWISE SPECIFIED.

Initial pH - 7.5
Final pH - 4.6

RECEIVED
MAR 26 1984
E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004025

Environmental Protection A
Division of Laboratory Serv
2121 W. Taylor Street
Chicago, Illinois 60612

07
LP41

#: -X101

Time Collected: 10:50 AM

Date Collected: 4-11-84

SPECIAL ANALYSIS FORM

Lab # C 4718

Date Received APR 11 '84

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery Summit / Eagle	03144015

SOURCE OF SAMPLE: (Exact Location)

X101 6 point composite sample of soil from Summit Park. North side of road (2 yds north) one sample directly south of each trailer along the fence.

PHYSICAL OBSERVATIONS, REMARKS:

Soil

TESTS REQUESTED: Cyanide

COLLECTED BY: Charles Gruntman & Tami Taylor

TRANSPORTED BY: Charles Gruntman & Tami Taylor.

LABORATORY

RECEIVED BY: A Jones

DATE COMPLETED:

DATE FORWARDED: APR. 20. 1984

J Daugherty

Cyanide → 2.2 mg/kg (ppm)

RECEIVED
APR 23 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C004718

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

04
LP41

X102

Time Collected: 11:00 Am

Date Collected: 4-11-84

SPECIAL ANALYSIS FORM

Lab # C 4719

Date Received APR 11 '84

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	ELK GROVE / Film Recovery Summit / EAGLE	03144015

SOURCE OF SAMPLE: (Exact Location)

X102 - 4 point composite sample of soil from Summit Pan north side of Road (2yds. north). from EAGLE fence corner post every 15 yds along Road.

PHYSICAL OBSERVATIONS, REMARKS:

Soil.

TESTS REQUESTED: CYANIDE

COLLECTED BY: Charles J Gruntman Tami Taylor.

TRANSPORTED BY: Charles J Gruntman Tami Taylor.

LABORATORY

RECEIVED BY: N Joshi

DATE COMPLETED:

DATE FORWARDED: APR. 20. 1984

J Daugherty

CYANIDE → 0.45 mg/kg (ppm)

RECEIVED
APR 23 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

0004719

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

04
LP41

X103

Time Collected: 11:10 am

Date Collected: 4/11/84

SPECIAL ANALYSIS FORM

Lab # C 4720 APR11 '8

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery Summit/Eagle	03144015

SOURCE OF SAMPLE: (Exact Location)

X103 6 point composite sample of soil from Summit Park. South side of road. (7 yds south). From mid point of 3rd trailer and every 20 yds west.

PHYSICAL OBSERVATIONS, REMARKS:

Soil.

TESTS REQUESTED: Cyanide

COLLECTED BY: Charles J Gruntman & Tami Taylor

TRANSPORTED BY: Charles J Gruntman & Tami Taylor.

LABORATORY

RECEIVED BY: [illegible]

DATE COMPLETED:

DATE FORWARDED: APR. 20. 1984

J Daugherty

Cyanide ⇒ <0.15 mg/kg (ppm)

RECEIVED
APR 23 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C004720

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago Illinois 60612

04
LP41

X 10 T

Time Collected: 11:25 am

Date Collected: 4-11-84

SPECIAL ANALYSIS FORM

Lab # C 4721

Date Received APR 11 '8

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recover Summit / Eagle.	0314 4015

SOURCE OF SAMPLE: (Exact Location)

X104 - 5 point composite of soil from school grown. East of Eagle Trailers. 7 yds East of fence along Archer Rd. Starting at South fence and every 20 yds North.

PHYSICAL OBSERVATIONS, REMARKS:

Soil.

TESTS REQUESTED: Cyanide

COLLECTED BY: Charles J. Huntman & Tami Taylor

TRANSPORTED BY: Charles J. Huntman & Tami Taylor

LABORATORY

RECEIVED BY: M. Echo

DATE COMPLETED:

DATE FORWARDED: APR. 20. 1984

J. Daugherty

Cyanide ⇒ 0.37 mg/kg (ppm)

RECEIVED

APR 23 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C004721

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41

X105

Time Collected: 4:05 pm

Date Collected: 5-23-84

Lab #

SPECIAL ANALYSIS FORM

Date Received C 5463 MAY24

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery Summit / Eagle	03144015

SOURCE OF SAMPLE: (Exact Location)

X105 - 6 pt. composite soil sample from Summit Park. Collected along an east-west line 20 yds south of the park's access road; starting even with the ball.

PHYSICAL OBSERVATIONS, REMARKS: "chip" trailer and every 20 yds west.

Soil with some grass from surface to two inche below surface.

TESTS REQUESTED: CYANIDE

COLLECTED BY: Charles Gruntman TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: DATE COMPLETED: DATE FORWARDED: JUN -7 1984

J Daugherty

CYANIDE → <0.05 mg/kg (ppm by weight)

RECEIVED
JUN 08 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

Environmental Protection Agency
Division of Laboratory Services (NOT FOR DATA PROCESSING)
2121 W. Taylor Street
Chicago, Illinois 60612

C005463

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C-5462 MAY 24

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

04

Summit Park West End of Park
Name (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 0 3 1 4 4 0 1 5 (16)

MONITOR POINT NUMBER (17) 5 5 0 3 (20) DATE COLLECTED (21) 0 5 2 3 8 4 (26)

Cook Co. - LPC REGION N (27)

Elk Grove / Film Recovery
Summit / Eagle Trailer
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 7:15 a.m. p.m. Unable to collect sample (X) (30)

Stick-up . ft. (31) (33) Depth to water . ft. (from T.O.C.) (34) (36)

Sample temp. ° (37) (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Grab (41) 3

Sample Appearance:

Collector comments: No ODOR

Charles Gruntman DLPC
Collected by Div. or Company

Transported by Div. or Company

LAB USE ONLY
Lab No. C005462
Date Rec'd 5-24-84
Rec'd by [illegible] Time 10:30 a.m. p.m.
Sample temp. acceptable YES NO
Sample properly preserved YES NO
Date completed
Date forwarded JUN -7 1984
J Daugherty
Supervisor Signature
Name Environmental Protection Agency
Address of Lab Division of Laboratory Services 2121 W. Taylor Street Chicago, Illinois 60612

LPCSM020
Lab Comments:
(27) (36)
(37) (46)
(47) (56)
(57) (66)
(67) (76)
Private Lab (X)
IEPA Lab (X) X (77) (78)

	PARAMETERS*	PPM*
	LPCSM030	
27	Alkalinity[1]	
31	Ammonia as N	
37	Arsenic As	
44	Barium Ba	
49	BOD -5	
53	Boron B	
58	Cadmium Cd	
64	Calcium Ca	
69	COD	
73	Chloride Cl	
	LPCSM040	
27	Chromium Cr (tot)	
33	Chromium Cr^{+6}	
39	Copper Cu	
45	X Cyanide CN	0.00
52	Fecal Coli (#/100 ml)	
56	Fluoride F	
61	Hardness $CaCO_3$	
65	Iron Fe	
70	Lead Pb	
	LPCSM050	
27	Magnesium Mg	
32	Manganese Mn	
38	Mercury Hg	
46	Nickel Ni	
51	Nitrate-nitrite N	
56	Oil and Grease	
60	pH (Units)	
63	Phenolics	
70	Phosphorus P	
76	Potassium K	
	LPCSM060	
27	R.O.E. (180°C)	
31	Selenium Se	
36	Silver Ag	
44	Sodium Na	
49	SC (umhos/cm)	
53	Sulfate SO_4	
58	Zinc Zn	
63		

RECEIVED
JUN 08 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

LP 41

C 5461 MAY24

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

04

Name (Private Well, Stream, Spring, Impounded Water only): Summit Pack Composite From So. Side of Road

(1) LPCSM010 (8) SITE INVENTORY NUMBER (9) 03144015 (16)

MONITOR POINT NUMBER (17) S502 (20) DATE COLLECTED (21) 052384 (26)

Cook Co. - LPC REGION N (27)

ELK Grove / Film Recovery

Summit (Location) / EAGLE Trailer (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 3:45 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) . (33) ft. Depth to water (from T.O.C.) (34) . (36) ft.

Sample temp. (37) ° (39) Background (X). . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Grab (41) 3

Sample Appearance:

Collector comments: NO ODOR

Charles Gauntman DLPC
Collected by Div. or Company

Bud Bunge OCPC
Transported by Div. or Company

LAB USE ONLY

Lab No. C005461

Date Rec'd 5-24-84

Rec'd by [illegible] Time 10:32 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded JUN -7 1984

J Daugherty
Supervisor Signature

Name Environmental Protection Agency
Address of Lab Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LPCSM020
Lab Comments:

(27) (36)

(37) (46)

(47) (56)

(57) (66)

(67) (76)

Private Lab (X)

IEPA Lab (X) (X) (77) (78)

LPCSM030

		PARAMETERS+	PPM*
27		Alkalinity[1]	
31		Ammonia as N	
37		Arsenic As	
44		Barium Ba	
49		BOD -5	
53		Boron B	
58		Cadmium Cd	
64		Calcium Ca	
69		COD	
73		Chloride Cl	

LPCSM040

27		Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39		Copper Cu	
45	X	Cyanide CN	0.00*
52		Fecal Coli (#/100 ml)	
56		Fluoride F	
61		Hardness $CaCO_3$	
65		Iron Fe	
70		Lead Pb	

LPCSM050

27		Magnesium Mg	
32		Manganese Mn	
38		Mercury Hg	
46		Nickel Ni	
51		Nitrate-nitrite N	
56		Oil and Grease	
60		pH (Units)	
63		Phenolics	
70		Phosphorus P	
76		Potassium K	

LPCSM060

27		R.O.E. (180°C)	
31		Selenium Se	
38		Silver Ag	
44		Sodium Na	
49		SC (umhos/cm)	
53		Sulfate SO_4	
58		Zinc Zn	
63			

RECEIVED
JUN 08 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

+ Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

LP 41

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

C 5460 MAY 24

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		04

Name (Private Well, Stream, Spring, Impounded Water only): Summit Park Composite from No. Side of Road

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 0 3 1 4 4 0 1 5 (16)

MONITOR POINT NUMBER (17) S 5 0 1 (20) DATE COLLECTED (21) 0 5 2 3 8 4 (26)

Cook Co. - LPC REGION N (27)

ELK Grove / Film Recovery

Summit (Location) / Eagle Trailer (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 3:37 p.m. Unable to collect sample (X) (30)

Stick-up (31) . (33) ft. Depth to water (from T.O.C.) (34) . (36) ft.

Sample temp. (37) ° (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Grab (41) 3

Sample Appearance:

Collector comments: NO ODOR

Charles Gruntman — Collected by — DLPC — Div. or Company

Brad Berry — Transported by — DLPC — Div. or Company

LAB USE ONLY

Lab No. C005460

Date Rec'd 5-24-84

Rec'd by [illegible] Time 10:30 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded JUN -7 1984

J Daugherty — Supervisor Signature

Name Environmental Protection Agency

Address of Lab Division of Laboratory Services, 2200 W. Taylor Street, Chicago, Illinois 60612

LPCSM020 Lab Comments:

(27) (36)

(37) (46)

(47) (56)

(57) (66)

(76)

Private Lab (X)

IEPA Lab (X) (X) (77) (78)

	PARAMETERS*	PPM*
27	Alkalinity[1]	
31	Ammonia as N	
37	Arsenic As	
44	Barium Ba	
49	BOD -5	
53	Boron B	
58	Cadmium Cd	
64	Calcium Ca	
69	COD	
73	Chloride Cl	
	LPCSM040	
27	Chromium Cr (tot)	
33	Chromium Cr^{+6}	
39	Copper Cu	
45	X Cyanide CN	0.01*
52	Fecal Coli (#/100 ml)	
56	Fluoride F	
61	Hardness $CaCO_3$	
65	Iron Fe	
70	Lead Pb	
	LPCSM050	
27	Magnesium Mg	
32	Manganese Mn	
38	Mercury Hg	
46	Nickel Ni	
51	Nitrate-nitrite N	
56	Oil and Grease	
60	pH (Units)	
63	Phenolics	
70	Phosphorus P	
76	Potassium K	
	LPCSM060	
27	R.O.E. (180°C)	
31	Selenium Se	
38	Silver Ag	
44	Sodium Na	
49	SC (umhos/cm)	
53	Sulfate SO_4	
58	Zinc Zn	
63		

RECEIVED JUN 08 1984 E.P.A. — D.L.P.C. STATE OF ILLINOIS

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

LP41

LP41 -01

Time Collected: 12:20pm

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00049

Date Received JUL 6 '8

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X201

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS
gravel-soil taken from Aldens parking lot where treatment and/or transfer of film Chi had occurred.

PHYSICAL OBSERVATIONS, REMARKS: 45' west along N property line from edge of pavement, 10' S of boundary
Surface sample

TESTS REQUESTED: CN

COLLECTED BY: Mary Schwartz TRANSPORTED BY: Mary Schwartz

LABORATORY

RECEIVED BY: M. Eche DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN - 0.21

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000049

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 12:25p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00050 JUL 6 84

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: ~~X 202~~ Cook

FILE HEADING: ELK GROVE/FILM RECOVERY

FILE NUMBER: 03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: 16' S of manhole that is 10' South of property line

Surface Sample

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: N. Jones DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

CN - 0.13

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED

JUL 17 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000050

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2125 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 12:35p

Date Collected: 7-2-84

Lab #

SPECIAL ANALYSIS FORM

Date Received

C00051 JUL 16 84

X 203

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred

PHYSICAL OBSERVATIONS, REMARKS:

≅ 150' N of north dock + 12' S of property line. 2"-10" depth

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. Ich DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN - 0.09

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED

JUL 17 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000051

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 12:45p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00052

Date Received JUL 6 84

X204

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	ELK Grove/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS
gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: ≅150' N of north dock, ≅12' S of property line - Surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

CN -0.31

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000052

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2125 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 12:50p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00053

Date Received JUL 6

X 205

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

N of dock # 19 at W extension of property line. 0" ~~6~~" depth

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: N. Jacobs DATE COMPLETED: DATE FORWARDED: JUL. 13. 1984

CN - 0.11

J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED

JUL 17 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000053

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:05pm

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00054

Date Received JUL 6 84

X206

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

N of dock #19 at W extension of property line. 4" - 10" depth

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: N. Jo-the DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN - 0.10

J Dougherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

C000054

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

LP41 -01

Time Collected: 1:10p

Date Collected: 7-2-84

Lab #

SPECIAL ANALYSIS FORM

Date Received C00055 JUL 6

X207

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS:

20' W of east end of RR spur along N side bldg. 0"-4" depth

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED JUL 13 1984

CN - 0.27

J Dougherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000055

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:15p

Date Collected: 7-2-84

Lab #

SPECIAL ANALYSIS FORM

Date Received: C000056 JUL 6 84

X 208

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: Between docks 26 & 27 along RR spur at N edge bldg. 0"-4" depth

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: M. Jadha DATE COMPLETED: DATE FORWARDED: JUL 13 1984

CN-0.10 J Dougherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 17 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000056

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

LP41 -01

Time Collected: 1:20p

Date Collected: 7-2-84

SPECIAL ANALYSIS FORM

Lab # C00057

Date Received JUL 6

X209

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	ELK GROVE/FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) CHICAGO / ALDENS

gravel-soil taken from Aldens parking lot where treatment and/or transfer of film chip had occurred.

PHYSICAL OBSERVATIONS, REMARKS: 10' E of east side of boiler house surface

TESTS REQUESTED: CN

COLLECTED BY: Mary Schroeder TRANSPORTED BY: Mary Schroeder

LABORATORY

RECEIVED BY: D. Jadhe DATE COMPLETED: DATE FORWARDED JUL. 13. 1984

CN - 0.04 J Daugherty

SAMPLE RESULTS ARE EXPRESSED IN MG/KG (PPM)

RECEIVED
JUL 27 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

C000057

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

PROGRAM CODE LP41

Time Collected: 11:38 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 1-25-84

Date Received C 3509 JAN26

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK ~~DUPAGE~~	Elk Grove Village / Fox River Water Reclamation	0314 4015 ~~0314 4015~~

SOURCE OF SAMPLE: (Exact Location) Trailer # 12872

X SOI Permit Lic. # 545158

RECEIVED

PHYSICAL OBSERVATIONS, REMARKS: Filter chips

MAR 15 1984

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

amenable to Cl

TESTS REQUESTED: ~~Total cyanide~~ - Total cyanide - silver (EP)

COLLECTED BY: Lynn Cirillo TRANSPORTED BY: Lynn Cirillo

LABORATORY

RECEIVED BY: M Zell DATE COMPLETED: DATE FORWARDED: FEB 21 1984

J Daugherty

total CN^- — 7.25 mg/kg (ppm) dry weight.

CN^- amenable to Chlorination — 0.0

Ag — 0.01 mg/liter

Initial pH — 9.5
Final pH 4.5

RECEIVED

FEB 23 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

C003509

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

SAMPLING PURPOSE
PROGRAM CODE LP41

Time Collected: 11:42 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 1-25-84

Date Received C 3510 JAN 26 84

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: COOK ~~DUPAGE~~

FILE HEADING: Elk Grove Village/Film Recovery (HBE/Trailor)

FILE NUMBER: 0314 0015

SOURCE OF SAMPLE: (Exact Location)

X 502 Trailor # 14780
Marine Div. plate 545213

PHYSICAL OBSERVATIONS, REMARKS: Film liquid

amenable to Cl

TESTS REQUESTED: ~~Free cyanide - total cyanide - silver~~ (EP TOX)

COLLECTED BY: Lynn Cuvello TRANSPORTED BY: Lynn Cuvello

LABORATORY

RECEIVED BY: D. Tacke DATE COMPLETED: DATE FORWARDED: FEB. 21. 1984

J Dougherty

CN^- (total) — 16.0 mg/kg (ppm) by weight.

CN^- amenable to chlorination — 0.0

Ag 0.01 mg/liter

RECEIVED
FEB 23 1984
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Initial pH - 9.0
Final pH - 5.0

IL 532-0314
LPC 8A 4/77

C00 3510

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street

PROGRAM CODE LP41

Time Collected: 11:50 AM

Date Collected: 1-25-84

SPECIAL ANALYSIS FORM

Lab # C 3511

Date Received JAN

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Cook ~~DUPAGE~~

FILE HEADING: Elk Grove Village/Fly Recovery (FBE Incin)

FILE NUMBER: 0314 0015

SOURCE OF SAMPLE: (Exact Location)

X 503 Trailer # 14386

Maine Lic plate 176330

PHYSICAL OBSERVATIONS, REMARKS: Trailer Chips

Amenable to Cl2

REQUESTED: Total cyanide - Total cyanide - silver (EP)

COLLECTED BY: Lynn Cavello TRANSPORTED BY: Lynn Cavello

LABORATORY

RECEIVED BY: M. Lohr DATE COMPLETED: DATE FORWARDED: FEB. 21. 1984

J Daugherty

CN⁻ (total) — 11.75 mg/kg (ppm) by weight

CN⁻ amenable to Chlorination — 0.0

Ag <0.01 mg/liter

RECEIVED

FEB 23 1984

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Initial pH — 8.4

Final pH — 4.0

IL 532-0314
LPC 8A 4/77

C003511

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chps / F05-8924-023
CASE NUMBER 11919

SAMPLE #/STATION LOCATION S1

SAMPLING DATE 5/9/89 SAMPLING TIME 1135

ORGANIC TRAFFIC NUMBER ET 531
INORGANIC TRAFFIC NUMBER MER 591

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144671	F9045084
120 ml.	VOA	72	D8307074
120 ml.	VOA	73	"
8 oz.	metals / CN	74	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black loam, moist to wet

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: None

INSTRUMENT READINGS N/A
pH
CONDUCTIVITY
TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chps / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S2

SAMPLING DATE 5/9/89 SAMPLING TIME 1150

ORGANIC TRAFFIC NUMBER ET 532

INORGANIC TRAFFIC NUMBER MER 592

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144675	F9045084
120 ml.	VOA	76	D8307074
120 ml.	VOA	77	"
8 oz.	metals / CN	78	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: BLACK, loamy, moist to wet

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: NONE

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S3

SAMPLING DATE 5/9/89 SAMPLING TIME 1200

ORGANIC TRAFFIC NUMBER ET 533

INORGANIC TRAFFIC NUMBER MER 593

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144679	F9045084
120 ml.	VOA	80	D8307074
120 ml.	VOA	81	"
8 oz.	metals / CN	82	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black, loamy, dry to moist

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: None

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S4

SAMPLING DATE 5/9/89 SAMPLING TIME 1220

ORGANIC TRAFFIC NUMBER EQ 255

INORGANIC TRAFFIC NUMBER MER 594

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144683	F9045084
120 ml.	VOA	84	D8307074
120 ml.	VOA	85	"
8 oz.	metals / CN	86	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black loamy, dry to moist

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: NONE

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S5

SAMPLING DATE 5/9/89 SAMPLING TIME 1230

ORGANIC TRAFFIC NUMBER EQ 256

INORGANIC TRAFFIC NUMBER MER 595

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144687	F9045084
120 ml.	VOA	88	D8307074
120 ml.	VOA	89	"
8 oz.	metals / CN	90	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black to Grey loam, with clay, wet sediment

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: NONE

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chps / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S6

SAMPLING DATE 5/9/89 SAMPLING TIME 1255

ORGANIC TRAFFIC NUMBER EAY 79

INORGANIC TRAFFIC NUMBER MET 090

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144691	F9045084
120 ml.	VOA	92	D8307074
120 ml.	VOA	93	"
8 oz.	metals / CN	94	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black with bluish grey color, clayey sediment

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: none

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chps / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S7

SAMPLING DATE 5/9/89 SAMPLING TIME 1415

ORGANIC TRAFFIC NUMBER EAY 80

INORGANIC TRAFFIC NUMBER MET 091

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	S-144695	F9045084
120 ml.	VOA	96	D8307074
120 ml.	VOA	97	"
8 oz.	metals / CN	98	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black loam, moist

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT:

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

Cooler ID # 146

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: FIL0604
PROJECT NAME: F05-8707-009 / CASE # 11919
SAMPLERS: (Signature)

~~Cooler #~~
Low Concentration

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz. metals + cyanide							ITR #	OTR #	Matrix
S1	5/9/89	1135	X		Soil 1	1	1							MER 591	ET 531	Soil
S2	5/9/89	1150		X	Soil 2	1	1							MER 592	ET 532	Soil
S3	5/9/89	1200	X		Soil 3	1	1							MER 593	ET 533	Soil
S4	5/9/89	1220		X	Soil 4	1	1							MER 594	EQ 255	SEDIMENT ~~Soil~~ TBA
S5	5/9/89	1230		X	Soil 5	1	1							MER 595	EQ 256	~~Soil~~ TBA
S6	5/9/89	1255		X	Soil 6	1	1							MET 090	EAY 79	~~Soil~~ TBA
S7	5/9/89	1415		X	Soil 7	1	1							MET 091	EAY 80	Soil

lot #'s - All 8 oz. F9045084

no preservatives

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	5/9/89 1530				
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	
					shipped Federal Express to LAUKS Airbill # 9488690654 Custody seals 17651, 17652

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5-09216

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: FIL0604
PROJECT NAME: F05-8707-009/CASE # 11979
SAMPLERS: (Signature) [signature]

Cooler # EE4 147
Low Concentration

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz. contractile	120 ml VOA					OTK #	ITR #	Matrix
S1	5/9/89	1135	X		Soil 1	3	1	2					ET 531	MER 591	Soil
S2	5/9/89	1150		X	Soil 2	3	1	2					ET 532	MER 592	"
S3	5/9/89	1200	X		Soil 3	3	1	2					ET 533	MER 593	"
S4	5/9/89	1220		X	Soil 4	3	1	2					EQ 255	MER 594	Sediment
S5	5/9/89	1230		X	Soil 5	3	1	2					EQ 256	MER 595	"
S6	5/9/89	1255		X	Soil 6	3	1	2					EAY 79	MET 090	"
S7	5/9/89	1115		X	Soil 7	3	1	2					EAY 80	MET 091	Soil

REMARKS

lot #s for 8oz - ~~E8~~ TM F9045084

lot #'s for 120ml - D8307074

no preservatives

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	5/9/89 1530				
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 shipped federal Express to Airbill # 3940625220 custody seals: 7807, 7808	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

05-02001

SAMPLE PROPOSAL
FIT REGION V

1. Date Form Completed 4/17/89

2. Account # FIL0604SA TDD # F05-8707-009

EPA I.D. # ILD980896757

3. Site Name, City, State Film Recovery Systems Chips
Elk Grove Village, Illinois

4. Team Leader Ted Nehrkorn Sampler Tim Mayers

5. Number and Type of Samples:

Soil/Sediment 7 Surface Water _____ Ground Water _____

Residential/Municipal Wells _____ Other _____

Number of Blanks _____ Number of Duplicates _____

6. RAS Parameters Requested:

A/B/N ✓ Pest/PCB ✓ Volatiles ✓ Metals ✓ Cyanide ✓

SAS Parameters Requested: _____

7. Expected Sampling Date(s): May 9, 1989

Expected Shipping Date(s): May 9, 1989

8. Lab Used For Analysis: Organic _____

Inorganic _____

SAS _____

9. Case Number _____ SAS Number _____

10. Airbill Numbers:

Organic Lab _____ # Coolers _____ # Samples _____

Inorganic Lab _____ # Coolers _____ # Samples _____

CRL/SAS Lab _____ # Coolers _____ # Samples _____

USEPA CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
P.O. BOX 818 ALEXANDRIA, VA 22313
703/557-2490 FTS-557-2490

CASE NO: 11919

SAS NO: (IF APPLICABLE)

INORGANIC TRAFFIC REPORT

(FOR CLP USE ONLY)

TYPE OF ACTIVITY (CIRCLE ONE) ①
SUPERFUND--PA SI ESI RIFS RD RA ER
NPLD O&M OTHER _____
NON-SUPERFUND-_____PROGRAM

SITE NAME: Film Recovery Systems Chips
CITY, STATE: Elk Grove, Il.
SITE SPILL ID:

REGION NO: V
SAMPLING COMPANY ②: FT
SAMPLER: (NAME) Tim Mayers

SHIP TO: ③ Laucks Testing Labs Inc.
921 ~~9540~~ 1st S. Harney St.
Seattle, WA 98108

ATTN: Charlene Nix

SAMPLING DATE: ④
BEGIN: 5/9/89 END: 5/9/89

DATE SHIPPED: 5/9/89 CARRIER: F ⑤
AIRBILL NO: 9488690654

SAMPLE DESCRIPTION ⑥
(ENTER IN BOX A)
1. SURFACE WATER
2. GROUND WATER
3. LEACHATE
4. SOIL
5. SEDIMENT
6. OIL (SAS)
7. WASTE (SAS)

DOUBLE VOLUME REQUIRED FOR MATRIX SPIKE/DUPLICATE AQUEOUS SAMPLE

SHIP MEDIUM AND HIGH CONCENTRATION SAMPLES IN PAINT CANS

SEE REVERSE FOR ADDITIONAL INSTRUCTIONS

Shipment is complete

CLP SAMPLE NUMBER (FROM LABELS)	Ⓐ SAMPLE DESCRIPTION (FROM BOX 1) 1 2 3 4 5 6 7	Ⓑ CONCENTRATION L = LOW M = MED H = HIGH (SAS)	Ⓒ RAS ANALYSIS: TOTAL METALS	CYANIDE	DISSOLVED METALS	HIGH ONLY (SAS): SULFIDE	pH	CONDUCTIVITY	OXIDANTS	Ⓓ SPECIAL HANDLING	Ⓔ STATION LOCATION
MER 591	4	L	X	X							S1
MER 592	4	L	X	X							S2
MER 593	4	L	X	X							S3
MER 594	5	L	X	X							S4
MER 595	5	L	X	X							S5
MET 090	5	L	X	X							S6
MET 091	4	L	X	X							S7

EPA Form 2075-6 (8-87)

WHITE — SMO COPY PINK — CLIENT COPY WHITE — LAB COPY FOR RETURN TO SMO YELLOW — LAB COPY

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

Cooler ID # 146

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: FIL0604
PROJECT NAME: F05-8707-009 / CASE # 11919
SAMPLERS: (Signature)

~~Cooler #~~ Low Concentration

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz. metals & cyanide							REMARKS ITR #	OTR #	Matrix
S1	5/9/89	1135	X		Soil 1	1	1							MER 591	ET 531	Soil
S2	5/9/89	1150		X	Soil 2	1	1							MER 592	ET 532	Soil
S3	5/9/89	1200	X		Soil 3	1	1							MER 593	ET 533	Soil
S4	5/9/89	1220		X	Soil 4	1	1							MER 594	EQ 255	Sediment ~~Soil~~
S5	5/9/89	1230		X	Soil 5	1	1							MER 595	EQ 256	~~Soil~~
S6	5/9/89	1255		X	Soil 6	1	1							MET 090	EAY 79	~~Soil~~
S7	5/9/89	1415		X	Soil 7	1	1							MET 091	EAY 80	Soil

lot #'s - All 8 oz. F9045084

no preservatives

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	5/12/89 1530				
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	

Remarks: shipped Federal Express to LAUKS
Airbill # 9488690654
Custody seals 17651, 17652

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5-09216

USEPA CONTRACT LABORATORY PROGRAM
SAMPLE MANAGEMENT OFFICE
P.O. BOX 818 ALEXANDRIA, VA 22313
703/557-2490 FTS-557-2490

CASE NO: 11919

SAS NO: (IF APPLICABLE)

ORGANIC TRAFFIC REPORT

(FOR CLP USE ONLY)

TYPE OF ACTIVITY (CIRCLE ONE) ①
SUPERFUND—PA SI ESI RIFS RD RA ER
NPLD O&M OTHER _____
NON-SUPERFUND—_____PROGRAM

SITE NAME: Film Recovery Systems Chips
CITY, STATE: Elk Grove, Il.
SITE SPILL ID:

REGION NO: 5
SAMPLING COMPANY ②: FT
SAMPLER: (NAME) Tim Mayers

SHIP TO: ③ Elms Laboratories 7901 W. Morris St. Indianapolis, Ind 46231
ATTN: Craig Drybread

SAMPLING DATE: ④
BEGIN: 5/9/89 END: 5/9/89

DATE SHIPPED: 5/9/89 CARRIER: F ⑤
AIRBILL NO: 3940625220

SAMPLE DESCRIPTION ⑥
(ENTER IN BOX A)
1. SURFACE WATER
2. GROUND WATER
3. LEACHATE
4. SOIL
5. SEDIMENT
6. OIL (SAS)
7. WASTE (SAS)

TRIPLE VOLUME REQUIRED FOR MATRIX SPIKE/DUPLICATE AQUEOUS SAMPLE

SHIP MEDIUM AND HIGH CONCENTRATION SAMPLES IN PAINT CANS

SEE REVERSE FOR ADDITIONAL INSTRUCTIONS

Shipment complete

CLP SAMPLE NUMBER (FROM LABELS)	Ⓐ SAMPLE DESCRIPTION (FROM BOX 1) 1 2 3 4 5 6 7	Ⓑ CONCENTRATION L = LOW/MED H = HIGH (SAS)	Ⓒ RAS ANALYSIS: VOLATILE	BASE/NEUT /ACID	PESTICIDE /PCB's		Ⓓ SPECIAL HANDLING	Ⓔ STATION LOCATION
ET 531	4	L	X	X	X			51
ET 532	4	L	X	X	X			52
ET 533	4	L	X	X	X			53
EQ 255	5	L	X	X	X			54
EQ 256	5	L	X	X	X			55
EAY 79	5	L	X	X	X			56
EAY 80	4	L	X	X	X			57

EPA Form 2075-7 (8-87)

WHITE — SMO COPY PINK — CLIENT COPY WHITE — LAB COPY FOR RETURN TO SMO YELLOW — LAB COPY

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: FIL0604
PROJECT NAME: F05-8707-009 / CASE # 11919
SAMPLERS: (Signature) [signature]

Cooler # EET
Low Concentration 197

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	8 oz. glass tumbler	120 ml VOA					REMARKS OTR#	ITR#	PTR#
S1	5/9/89	1155	X		Soil 1	3	1	2					ET 531	MER 591	Soil
S2	5/9/89	1150		X	Soil 2	3	1	2					ET 532	MER 592	
S3	5/9/89	1200	X		Soil 3	3	1	2					ET 533	MER 593	
S4	5/9/89	1220		X	Soil 4	3	1	2					EQ 255	MER 594	
S5	5/9/89	1230		X	Soil 5	3	1	2					EQ 256	MER 595	
S6	5/9/89	1255		X	Soil 6	3	1	2					EAY 79	MET 090	"
S7	5/9/89	1115		X	Soil 7	3	1	2					EAY 80	MET 091	Soil

lot #s for 8oz - DC F9045084

lot #'s for 120ml - 08307074

no preservatives

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	5/9/89 1530				
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: shipped federal Express to	
				Airbill # 3440625270	
				custody seals 7807, 7808	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

05-03291

Time Collected: 405 pm

Date Collected: 13 April 1983

SPECIAL ANALYSIS FORM

Lab # 04320

Date Received APR 15

x 215

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Truehaut trailer # AVM 325367 Fiorib Leasing Rosemont site behind Red devil Mfg 5995 River Rosemont.

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film

TESTS REQUESTED: Cyanide
EP tox Silver

COLLECTED BY: glenn Sternard TRANSPORTED BY: G. Stern

LABORATORY

RECEIVED BY: M Jordan DATE COMPLETED: DATE FORWARDED: 4-26-83

Cn 90.2 mg/kg (ppm) as rec'd
Ag 0.13 mg/liter

J Daugherty

RECEIVED
APR 27 1983
L.P.A. -- D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street

004320

Haz Waste

Time Collected: 4:53 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 7 April 1983

Date Received 04196 APR 20

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X213

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Trailer # 505 Strick 130196

Livco 6700 W 103rd Chgo Ridge

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

C≡N Odor

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Eleder 4-8-83

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: DATE FORWARDED: APR. 25. 1983

Cn 392.6 mg/kg (ppm) as rec'd J Daugherty

Ag - 14.8 mg/liter

RECEIVED

APR 26 1983

E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

[illegible]

C004195

Time Collected: 449 pm

Date Collected: 7 April 1983

SPECIAL ANALYSIS FORM

Lab # 04154 APR 20

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 212

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Trailer #34 Great Dane 25598

Livco 6700 W 103rd Chgo Ridge

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film From FRS Also orange-red chips present.

C≡N odor

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Eledge 4-8

LABORATORY

RECEIVED BY: M. Teodl DATE COMPLETED: DATE FORWARDED: APR. 25. 1983

Cn - 154.7 mg/kg (ppm) as rec'd J Daugherty

Ag - 7.0 mg/liter

RECEIVED

APR 26 1983

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Haz Waste

Time Collected: 350p

Lab # 04193

SPECIAL ANALYSIS FORM

Date Collected: 7 April 1983

Date Received APR 10

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X211

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Eagle Trailer, Inc 7710 W 57th Summit IL
Trailer EV 4075

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

C≡N odor

TESTS REQUESTED: Cyanide
EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Elder 4-8-83

LABORATORY

RECEIVED BY: M. Brodhen DATE COMPLETED: DATE FORWARDED: APR. 25. 1983

Cn — 503.5 mg/kg (ppm) as rec'd J Daugherty
Ag — 3.8 mg/liter

RECEIVED
APR 26 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Haz Waste

C004193

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 349 pm

Date Collected: 7 April 1983

SPECIAL ANALYSIS FORM

Lab # 04192 APR 15

Date Received

X 210

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Eagle Trailer, Inc 7710 W 59th Summit Il

Trailer

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

CEN odor

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Eleder 4-8-83

LABORATORY

RECEIVED BY: M. Idle DATE COMPLETED: DATE FORWARDED: APR. 25. 1983

Cn — 156.7 mg/kg (ppm) as rec'd J Daugherty

Ag — 0.20 mg/liter

RECEIVED

APR 26 1983

E.P.A. — D.L.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004192

Haz Wacte

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 1:50 pm

Lab # 041 91 APR 83

SPECIAL ANALYSIS FORM

Date Collected: 7 April 1983

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 209

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Trailer Unltd. 8765 Joliet Rd McCook
Trailer # 8721 Dorsey (orange in color)

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

C≡N Odor

TESTS REQUESTED: Cyanide
EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Eleder 4-8-83

LABORATORY

RECEIVED BY: M. Teache DATE COMPLETED: DATE FORWARDED: APR 27 1983

Cn — 234.5 mg/kg (ppm) as rec'd
Ag — 2.02 mg/liter

J Dougherty

RECEIVED
APR 26 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004191

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 122 pm

Lab # 04190 APR

SPECIAL ANALYSIS FORM

Date Collected: 7 April 1983

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 208

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Trailers Unlimited 8765 Joliet Rd Countryside (Jr mobile).
Trailer G 62920 Trailermobile

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

C≡N odor

TESTS REQUESTED: Cyanide
EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Elder 4-8-83

LABORATORY

RECEIVED BY: N. Jacobs DATE COMPLETED: DATE FORWARDED: APR 25 1983

Cn - 253.0 mg/kg (ppm) as rec'd J Daugherty
Cg - 1.55 mg/liter

RECEIVED
APR 26 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004190

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Hn > 1/1000

Time Collected: 1020

Date Collected: 7 April 1983

SPECIAL ANALYSIS FORM

Lab # 04189 APR 86

Date Received

X 207

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

General Diesel 2200 Higgins Rd Elk Grove
Trailer w/ side of lot Gilflex Rental T 2093

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

C≡N odor

TESTS REQUESTED: Cyanide
EP tox Silver

COLLECTED BY: Glenn Sternerd TRANSPORTED BY: Bonnie Eleder 4-8-83

LABORATORY

RECEIVED BY: M. Jeathe DATE COMPLETED: DATE FORWARDED: APR 25 1983

Cn - 158.3 mg/kg (ppm) as rec'd J Dougherty
Ag - 1.03 mg/liter

RECEIVED
APR 26 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004189

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Hm - 1/mate

Time Collected: 901 am

Date Collected: 7 April 1983

SPECIAL ANALYSIS FORM

Lab # 04180 APR 83

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 206

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Trailer #40160 J. Froeitz LTD 3739 N. Podlin Dr. Franklin Pk

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film from FRS

C=N odor

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Elder 4-8-83

LABORATORY

RECEIVED BY: M. Jo[illegible] DATE COMPLETED: DATE FORWARDED: APR. 25. 1983

Cn - 121.3 mg/kg (ppm) as rec'd J Daugherty

Ag - 0.00 mg/liter

RECEIVED

APR 26 1983

E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Hm - Illinois

C004188

Time Collected: 900 AM

Date Collected: 7 April 1983

SPECIAL ANALYSIS FORM

Lab # 04187

Date Received APR 13

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X205

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

Trailer # 14542 J. Fiorito LTD 3734 N. Podlin Dr. Franklin Pk

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - (processed film) from FRS

C≡N odor

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: Bonnie Ebeder 4-8-83

LABORATORY

RECEIVED BY: N. Jadhav DATE COMPLETED: DATE FORWARDED: APR 25 1983

Cn - 255.0 mg/kg (ppm) as rec'd J Daugherty
Ag - 0.01 mg/liter

RECEIVED
APR 26 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004187

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Hans Wilmots

Time Collected: _____ Lab # C005660

SPECIAL ANALYSIS FORM

Date Collected: 6/15/83 Date Received 6-24-83 11:AM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook Co.	Elk Grove Vill / Flow Rec.	0314/4015

SOURCE OF SAMPLE: (Exact Location) Chicago / Aldens

Batch No. 615-1-1

PHYSICAL OBSERVATIONS, REMARKS:

RECEIVED
JUL 08 1983
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED: C=N

COLLECTED BY: Petrochem TRANSPORTED BY: C. Gould

LABORATORY

RECEIVED BY: J Murray DATE COMPLETED: DATE FORWARDED: JUN 30 19

J Dougherty

CN⁻ – <5 ppm

0.5 gram / 500 ml gave no readings.

RECEIVED
AUG - 3 1983
– D.L.P.C.
STATE OF ILLINOIS

Composite – CN = <0.25 ppm

5660
5661
5662
5663
5664

10 gram composite / 500 ml gave no reading.

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services

Time Collected: _____ Lab # C005661

SPECIAL ANALYSIS FORM

Date Collected: 6/29/83 Date Received 6-24-83 11 AM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Hill / Fila Recovery	0314401 5

SOURCE OF SAMPLE: (Exact Location) Chgo / Aldens

Batch 620-1-1

PHYSICAL OBSERVATIONS, REMARKS:

RECEIVED
JUL 0 5 1983
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED: C≡N

COLLECTED BY: Ptrocher TRANSPORTED BY: C. Gould

LABORATORY

RECEIVED BY: J Murray DATE COMPLETED: DATE FORWARDED: JUN 30 1983

J Daugherty

CN⁻ - < 5 ppm

0.5 gram / 500 ml gave no reading.

Composite - CN = < 0.25 ppm

5660
5661
5662
5663
5664

} 10 gram. Composite / 500 ml gave no reading

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Illinois [illegible]

Time Collected: _____ Lab # C005662

SPECIAL ANALYSIS FORM

Date Collected: 6/21/83 Date Received 6-24-83 11 A.M.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Vill/Tire Recovery	0314405

SOURCE OF SAMPLE: (Exact Location) Chgo/Aldens

Batch 621-1-1

PHYSICAL OBSERVATIONS, REMARKS:

RECEIVED
JUL 06 1983
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED: CN

COLLECTED BY: Petrocha Serv. TRANSPORTED BY: C. Gould

LABORATORY

RECEIVED BY: J Murray DATE COMPLETED: DATE FORWARDED: JUN 30 198

J Daugherty

CN – <5 ppm
0.5 gram/500 ml gave no reading.

Composite - CN = <0.25 ppm

5660
5661
5662
5663
5664

10 gram composite/500 ml gave no reading.

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street

Time Collected: _____ Lab # C005663

SPECIAL ANALYSIS FORM

Date Collected: 6/21/83 Date Received 6-24-83 11A.M.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Vill/Fila Rec.	03144015

SOURCE OF SAMPLE: (Exact Location) Chicago/Illinois

Batch 621-2-1

PHYSICAL OBSERVATIONS, REMARKS:

RECEIVED
JUL 0 5 1983
ILL. E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED: C=N

COLLECTED BY: Petrochem TRANSPORTED BY: C. Gould

LABORATORY

RECEIVED BY: J Murray DATE COMPLETED: DATE FORWARDED: JUN 30 1983

J Daugherty

CN - <5 ppm

0.5 gram/500 ml gave no reading.

Composite - CN = <0.25 ppm

5660
5661
5662
5663
5664

10 gram Composite/500 ml gave no reading.

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street

Time Collected: _____ Lab # C005664

SPECIAL ANALYSIS FORM

Date Collected: 6-22-1-1 Date Received 6-24-83 11 AM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Vill / Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Chicago / Aldens

Batch 622-1-1 Mixer 1

PHYSICAL OBSERVATIONS, REMARKS:

RECEIVED
JUL 06 1983
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED: CEN

COLLECTED BY: Petrochem TRANSPORTED BY: C. Gould

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED: JUN 30 1983

J Daugherty

CN - <5 ppm

0.5 gram / 500 ml gave no reading.

Composite - CN = <0.25 ppm

5660
5661
5662
5663
5664

10 gram composite / 500 ml gave no reading

LPC-8A 4/77 (NOT FOR DATA PROCESSING) Environmental Protection Agency Division of Laboratory Services

Time Collected: _____

Date Collected: 6/24/83

Lab # 05666 JUN27

SPECIAL ANALYSIS FORM

Date Received _____

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	03144015

SOURCE OF SAMPLE: (Exact Location) Chicago / Addens.

6-24-H, 6-24-1-2, 6-24-1-3, 6-24-2-1, 624-2-2

PHYSICAL OBSERVATIONS, REMARKS: Treated Chip.

RECEIVED
JUL 06 1983
ILL. E.P.A. — D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED:

COLLECTED BY: PETROCHEM TRANSPORTED BY: Glenn Sternard 6/27

LABORATORY

RECEIVED BY: M Tandhe DATE COMPLETED: DATE FORWARDED: JUN 30 1983

J Daugherty

Composite CN = <5 ppm

1-3 mixer 1
1+2 mixer 2 } 0.5 gram / 500 ml gave no reading.

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C005666

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: _____ Lab # 05665 JUN27

SPECIAL ANALYSIS FORM

Date Collected: 6/25/83 Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	0314 4015

SOURCE OF SAMPLE: (Exact Location) Chicago/Aldens

Bags 6-25-1-1, 6-25-2-1, 6-25-1-2, ~~9.1.5~~, 6-25-2-2, 6-25-1-3, 6-25-2-3, 625-1-4, 625-2-4, 6-25-1-5, 625-2-5. 10 total

PHYSICAL OBSERVATIONS, REMARKS: Treated Chips

RECEIVED
JUL 06 1983
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

TESTS REQUESTED:

COLLECTED BY: Petrochem TRANSPORTED BY: Glenn Stennard 6/27/83

LABORATORY

RECEIVED BY: M. Toche DATE COMPLETED: DATE FORWARDED: JUN 30 1983

J Daugherty

Composite A	Composite B
mixer 1	mixer 2
1-5	1-5
$CN^- = <5$ ppm	$CN = <5$ ppm
0.5 gram/500 ml gave no reading.	0.5 gram/500 ml gave no reading.

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

FIT Inspection Date: MAY 9, 1989

CERCLIS Site Name: Film Recovery Systems Corp

Site Address: 1855 GREENLEAF AVE, ELK GROVE, IL, 60007

Recipient Information: DAVID HOFFMAN
Name

Title

2119 E EUCLID
Street Address

ARL HTS ILL 60005
City State Zip Code

255, 1757
Telephone Number

Ecology and Environment, Inc. has been retained by the United States Environmental Protection Agency (U.S. EPA) under contract 68-01-7347 for the purpose of evaluating sites under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), and the Superfund Amendments and Reauthorization Act (SARA).

A copy of the report regarding the inspection conducted at the above-referenced property will be forwarded by the U.S. EPA within 6 months. If a copy of the inspection report is not received within 6 months of the inspection date noted above, a written request may be sent to the U.S. EPA representative indicated below.

It is essential to include the U.S. EPA Identification Number listed below to ensure that your request is properly referenced.

U.S. EPA Identification Number ILD980896757

Address requests to:

William Messenger, Chief
Pre-Remedial Unit (5HR11)
United States Environmental Protection Agency
230 South Dearborn Street
Chicago, Illinois 60604
(312) 353-1057

Distribution:
White: FIT Site File; TDD No.: F05-8707-009; PAN: FIL06045A
Yellow: Recipient
Pink: U.S. EPA

RECEIPT FOR SAMPLES

U.S. EPA, 230 S. Dearborn St., Chicago, IL 60604

U.S. EPA ID NO ILD 980896757

PROJ. ACCT. NO. FIL06015A

TDD F05-8707-009

SPLIT SAMPLES ACCEPTED( ) DECLINED(x)

FACILITY/OCCUPANT NAME: Film Recovery Systems Chicago

FACILITY/OCCUPANT ADDRESS: 1855 Greenleaf Ave. Elk Grove, Il. 60007

SAMPLE NUMBER	DATE	TIME	SPLIT SAMPLES (✓)	OTR*	ITR*	DESCRIPTION OF SAMPLE LOCATIONS	SEMIVOLATILES	PESTICIDES/PCBS	VOLATILES	METALS	CYANIDE			MATRIX
S1	5/9/89	1135		ET 531	MER 591	S1	X	X	X	X	X			Soil
S2		1150		ET 532	MER 592	S2	X	X	X	X	X			Soil
S3		1200		ET 533	MER 593	S3	X	X	X	X	X			Soil
S4		1220		EQ 255	MER 594	S4	X	X	X	X	X			Sediment
S5		1230		EQ 256	MER 595	S5	X	X	X	X	X			"
S6		1255		EA 479	MET 090	S6	X	X	X	X	X			"

TRANSFERRED BY: Ted W Nehlsen (Signature) 5/9/89 (Date) 1330 (Time)

RECEIVED BY: (Signature) (Date) (Time)

DISTRIBUTION
WHITE: FIT SITE FILE
YELLOW: FACILITY/OCCUPANT
GREEN: FIT SAMPLE MANAGEMENT
PINK: U.S. EPA

TITLE

TELEPHONE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S1

SAMPLING DATE 5/9/89 SAMPLING TIME 1135

ORGANIC TRAFFIC NUMBER ET 531

INORGANIC TRAFFIC NUMBER MER 591

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz.	Extractables	5-144671	F9045084
120 ml.	VOA	72	D8307074
120 ml.	VOA	73	"
8 oz.	metals / CN	74	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black loam, moist to wet

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: None

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S2

SAMPLING DATE 5/9/89 SAMPLING TIME 1150

ORGANIC TRAFFIC NUMBER ET 532

INORGANIC TRAFFIC NUMBER MER 592

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144675	F9045084
120 ml.	VOA	76	D8307074
120 ml.	VOA	77	"
8 oz.	metals / CN	78	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black, loamy, moist to wet

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: NONE

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S3

SAMPLING DATE 5/9/89 SAMPLING TIME 1200

ORGANIC TRAFFIC NUMBER ET 533

INORGANIC TRAFFIC NUMBER MER 593

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144679	F9045084
120 ml.	VOA	80	D8307074
120 ml.	VOA	81	"
8 oz.	metals / CN	82	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black, loamy, dry to moist

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: None

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S4

SAMPLING DATE 5/9/89 SAMPLING TIME 1220

ORGANIC TRAFFIC NUMBER EQ 255

INORGANIC TRAFFIC NUMBER MER 594

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144683	F9045084
120 ml.	VOA	84	D8307074
120 ml.	VOA	85	"
8 oz.	metals / CN	86	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black loamy, dry to moist

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: NONE

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chps / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S5

SAMPLING DATE 5/9/89 SAMPLING TIME 1230

ORGANIC TRAFFIC NUMBER EQ 256

INORGANIC TRAFFIC NUMBER MER 595

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144687	F9045084
120 ml.	VOA	88	D8307074
120 ml.	VOA	89	"
8 oz.	metals / CN	90	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black to Grey loam, with clay, wet sediment

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: NONE

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S6

SAMPLING DATE 5/9/89 SAMPLING TIME 1255

ORGANIC TRAFFIC NUMBER EAY 79

INORGANIC TRAFFIC NUMBER MET 090

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	5-144691	F9045084
120 ml.	VOA	92	D8307074
120 ml.	VOA	93	"
8 oz.	metals / CN	94	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black with bluish grey color, clayey sediment

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT: none

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Film Recovery Systems Chips / F05-8924-023

CASE NUMBER 11919

SAMPLE #/STATION LOCATION S7

SAMPLING DATE 5/9/89 SAMPLING TIME 1415

ORGANIC TRAFFIC NUMBER EAY 80

INORGANIC TRAFFIC NUMBER MET 091

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
8 oz	Extractables	S-144695	F9045084
120 ml.	VOA	96	D8307074
120 ml.	VOA	97	"
8 oz.	metals / CN	98	F9045084

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black loam, moist

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT:

INSTRUMENT READINGS N/A

pH

CONDUCTIVITY

TEMPERATURE

Time Collected: 12:10pm

Date Collected: 4/5/83

Lab # 04083 APR 85

SPECIAL ANALYSIS FORM

Date Received 4·5·83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X201

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	~~Elk~~ Grove/Film Recovery	C83-127N

SOURCE OF SAMPLE: (Exact Location)

55gal drum, east building along east wall, undried sludge

PHYSICAL OBSERVATIONS, REMARKS: brown - semi solid, pungent odor.

TESTS REQUESTED: cyanide, EP Tox silver

COLLECTED BY: Brad Benning TRANSPORTED BY: Glenn Sterrard

LABORATORY

RECEIVED BY: M. Jordan DATE COMPLETED: DATE FORWARDED: 4-25-83

Cn - 4333.0 mg/kg (ppm as rec'd) J Daugherty

Ag - 0.80 mg/liter

RECEIVED

APR 26 1983

E.P.A. - D.L.P.C.
STATE OF ILLINOIS

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

C004083

Environmental Protection Agency
Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 12:15 Lab # 04084 APR

SPECIAL ANALYSIS FORM

Date Collected: 4/5/83 Date Received 4.5.83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 202

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127N

SOURCE OF SAMPLE: (Exact Location)

55 gal drum . East building along East wall
dried sludge

PHYSICAL OBSERVATIONS, REMARKS: brown granular

TESTS REQUESTED: cyanide
E.P. Tox silver

COLLECTED BY: Brad Benning TRANSPORTED BY: Glenn Sternard

LABORATORY

RECEIVED BY: M. Jadhav DATE COMPLETED: DATE FORWARDED: 4.25.83

Cn - 23,250.0 mg/kg (ppm) as rec'd J Daugherty
Ag - 5.5 mg/liter

RECEIVED
APR 28 1983
E.P.A. - D.L.P.C.
STATE OF ILLINOIS

LPC-8A 4/77 (NOT FOR DATA PROCESSING) C004084

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41

Time Collected: 2:30 pm

Lab # 01309 AUG25

SPECIAL ANALYSIS FORM

Date Collected: 24 August 1983

Date Received 8/25/83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X301

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE?FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Film Recovery Facility-1855 Greenleaf

1k/gal Tank marked as 5B on H.W. label Along west wall
Full - tank

PHYSICAL OBSERVATIONS, REMARKS:

Field pH≈10 Strong Rx w/ Metals preservative - overflow
Brown liquid - possible high CN^-

TESTS REQUESTED: ~~pH~~ CN^- total, ~~reactive (per RCRA)~~, CN^- Amenable to chlorination
Cd, Cr, Cu, Fe, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: Glen [illegible] TRANSPORTED BY: G. [illegible]

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED: SEP 22 1983

Cd - 0.0
Cr - 36.0
Cu - 0.00
Fe - 95.2
Pb - 0.16
Mn - 0.10
Ni - 0.0
Ag - 0.04
Zn - 0.0

mg/liter

Cn (total) - 2175
Cn - Cl_2 - 550

mg/liter

RECEIVED
SEP 23 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

J Daugherty

IL 532-0314
LPC 8A 4/77

C001309

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

M. Chinn

01
LP41

01310 AUG25

Time Collected: 2:46pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 24 August 1983

Date Received 8/25/83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 302

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE?FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Film Recovery Facility-1855 Greenleaf

1k lgal tank marked as 8D on HW label and #24 along west wall - Full tank

PHYSICAL OBSERVATIONS, REMARKS: Brown liquid field pH ≈ 11 possible high CN^- ex w/ metals preservative

TESTS REQUESTED: ~~pH~~, CN^- total, ~~reactive (per RCRA)~~ & CN^- amenable to chlorination

Cd, Cr, Cu, Fe, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED SEP. 22. 1983

Cd - 0.07
Cr - 49.5
Cu - 0.00
Fe - 16.5
Pb - 0.24
Mn - 0.56
Ni - 1.3
Ag - 0.03
Zn - 0.0

mg/liter

CN(total) - 2125
CN(amen. Cl_2) - 525

mg/liter

RECEIVED
SEP 23 1983
E.P.A. -- D.L.P.C.
STATE OF ILLINOIS

J Daugherty

IL 532-0314
LPC 8A 4/77

C001310

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

01
LP41

01311 AUG25

Time Collected: 2:52 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 24 August 1983

Date Received 8/25/83

X303

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE?FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Film Recovery Facility-1855 Greenleaf

1k/gal tank with sludge (little liquid) marked as 1-A on HW label or #34

PHYSICAL OBSERVATIONS, REMARKS: Film chips & brown liquid

TESTS REQUESTED: CN^- total, ~~reactive~~.

Cd Cr, Cu, Fe, Pb, Mn, Ni, Ag, Zn.

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED: SEP. 22 1983

Cd - 0.13	Cd - 10.5 (dried Digest)	CN (total) - 1400 } mg/liter
Cr - 1150	Cr - 103.8	CN (amen. Cl_2) - 125 }
Cu - 0.06	Cu - 5.0	
Fe - 76.0	Fe - 165.0	
Pb - 0.94	Pb - <12.5	
Mn - 3.70	Mn - 25	
Ni - 2.1	Ni - 25.0	
Ag - 0.05	Ag - 77.5	
Zn - 6.8	Zn - 82.5	
(liquid - mg/liter)	(chips - mg/kg)	

RECEIVED
SEP 23 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

J Daugherty

C001311

IL 532-0314
LPC 8A 4/77

cc: H. Chinn

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60619

LP41

01

01312 AUG25

Time Collected: 3:00 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 24 August 1983

Date Received 8/25/83

X 304

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE?FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Film Recovery Facility-1855 Greenleaf

large storage tanks in S.W. corner of bldg, liquid ≈1.5' from top (east tank marked as 10B on H.W. Label).

PHYSICAL OBSERVATIONS, REMARKS: Brown liquid Px w/ metals preservative Possible high CN^-

TESTS REQUESTED: CN total - ~~reactive (per RCRA)~~ ~~pH~~

CN^- Amenable to chlorination

Cd, Cr, Fe, Cu, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED: SEP 22 1983

Cd 0.01
Cr 53.0
Fe 67.5
Cu 0.00
Pb 0.28
Mn 0.19
Ni 0.1
Ag 0.02
Zn 0.0

mg/liter

CN(total) - 1725
CN(amen. Cl_2) - 525

mg/liter

RECEIVED
SEP 23 1983
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

J Daugherty

C001312

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

an H Chinn

LP41

01

Time Collected: 307pm

Lab # 01313 AUG25

SPECIAL ANALYSIS FORM

Date Collected: 24 August 1983

Date Received 8/25/83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 305

COUNTY:	FILE HEADING:	FILE NUMBER:
COOK	ELK GROVE VILLAGE?FILM RECOVERY	03144015

SOURCE OF SAMPLE: (Exact Location) Film Recovery Facility-1855 Greenleaf

Large tank in SW corner of bldg - west tank marked as 10A on H.W. label Liquid @ 1.5' from top.

PHYSICAL OBSERVATIONS, REMARKS: Brown liquid, RX w/ Metals preservative Possible high CN^-

TESTS REQUESTED: CN^- total, Reactive (Per RCRA), CN^- Amenable to chlorination PH

Cd, Cr, Fe, Cu, Pb, Mn, Ni, Ag, Zn

COLLECTED BY: [signature] TRANSPORTED BY: [signature]

LABORATORY

RECEIVED BY: J Daugherty DATE COMPLETED: DATE FORWARDED: SEP. 22. 1983

Cd - 0.08
Cr - 50.0
Fe - 16.2
Cu - 0.00
Pb - 0.19
Mn - 0.31
Ni - 5.1
Ag - 0.02
Zn - 0.4

mg/liter

CN (total) - 1925
CN (amen. Cl_2) - 925

mg/liter

RECEIVED
SEP 23 1983
EPA - DIPC

J Daugherty

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

C001313

(NOT FOR DATA PROCESSING)

IL 532-0314
LPC 8A 4/77

M H Chinn

04085 APR 85

Time Collected: 12:40 Lab #

SPECIAL ANALYSIS FORM

Date Collected: 4/5/83 Date Received 4.5.83

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

x 203

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	C83-127N

SOURCE OF SAMPLE: (Exact Location)

Evaporation tank located in west building (process building) southwest corner.

PHYSICAL OBSERVATIONS, REMARKS: dark brown liquid w/ "cyanide" odor

TESTS REQUESTED: Cyanide

EP Tox silver

COLLECTED BY: Glenn Stanard TRANSPORTED BY: Glenn Stanard

LABORATORY

RECEIVED BY: M. Jeffer DATE COMPLETED: DATE FORWARDED: 4-25-83

Cn - 535.0 mg/kg (ppm) as rec'd J Dougherty

Ag - 0.63 mg/liter

RECEIVED

APR 26 1983

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

C004085

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 12:10 pm

Lab # 03793 MAR23

SPECIAL ANALYSIS FORM

Date Collected: 3/23/83

Date Received 3-23-83

X101

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove Village/Film Recovery	C-83-127N

SOURCE OF SAMPLE: (Exact Location)

Along east side of plant at the dock area.
Film chips were scattered over a large area near dock

PHYSICAL OBSERVATIONS, REMARKS: Soil w/ film chips

TESTS REQUESTED: C≡N total

EP tox: Ar, Ba, Cd, Cr, Pb, Hg, Se, Ag

COLLECTED BY: Glenn Sternard TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: D. Jordan DATE COMPLETED: DATE FORWARDED: MAY 17 1983

CN - 27.2 mg/kg (ppm) as rec'd

initial pH = 7.2

final pH = 4.9

RECEIVED
MAY 18 1983
I.E.P.A. - D.L.P.C.
STATE OF ILLINOIS

E. P. Toxicity

As	0.002
Ba	1.6
Cd	<0.01
Cr	0.01
Pb	<0.03
Hg	<0.0001
Se	<0.001
Ag	0.00

mg/l

J. Daugherty

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

(NOT FOR DATA PROCESSING)

IL 532-0314
LPC 8A 4/77

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Time Collected: 3 55 pm

Date Collected: 13 April 1983

SPECIAL ANALYSIS FORM

Lab # 04319 A

Date Received

X 214

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-19

SOURCE OF SAMPLE: (Exact Location)

"Brown" #M69-3789 Fiorito Lansing - Rosemont

Behind Red Devil Mfg. 5995 N. River

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film

possibly Ammonia odor in truck.

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: glenn Sternard TRANSPORTED BY: g. St

LABORATORY

RECEIVED BY: M. Jo DATE COMPLETED: DATE FORWARDED:

Cn - 96.6 mg/kg (ppm) as rec'd

Ag - 0.18 mg/liter

J Daugh

RECEIVI

APR 27 198

E.P.A. — D L

STATE OF ILLI

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Ag
Division of Laboratory Servic
2121 W. Taylor Street

Time Collected: 330 pm

Date Collected: 13 April 1983

Lab # 04324 APR 15

SPECIAL ANALYSIS FORM

Date Received

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 219

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

American Interstate Leasing Trailers Truck 4940

Roosevelt Rd W of Cicero Ave Behind Allens Bldg.

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: glenn Sternard TRANSPORTED BY: g. [illegible]

LABORATORY

RECEIVED BY: M. J. [illegible] DATE COMPLETED: DATE FORWARDED: 4-26-83

Cn - 156.0 mg/kg (ppm) as rec'd

Ag. 3.3 mg/liter

J Daugherty

RECEIVED

APR 27 1983

L. A. - D. L. C.

STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Hazardous [illegible] C004024

Time Collected: 942 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 13 April 1983

Date Received: 04302 APR 15

X 217

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove/Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

HBE Trailer Coop, Hinsdale — Frs Chips - trailer broken center - chips on ground.

Trailmobile # H60386 HBE # 14250

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: Glenn Sternard TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: M [illegible] DATE COMPLETED: DATE FORWARDED: 4.26.83

Cn - 80.0 mg/kg (ppm) as rec'd J Daugherty

Ag - 0.00 mg/liter

RECEIVED

APR 27 1983

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Springfield, Illinois 62710

Haz Waste 0 0004222

Time Collected: 325pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 13 April 1983

Date Received 04323 APR 15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 218

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127 N

SOURCE OF SAMPLE: (Exact Location)

American Interstate Leasing Trailers From Truck 46-40

Roosevelt west of Cicero Ave Behind Aldens Bldg #645329-21 HIGHWAY

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips - processed film

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: glenn Sternard TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: M J [illegible] DATE COMPLETED: DATE FORWARDED: 4-26-83

Cn - 181.8 mg/kg (ppm) as rec'd

Ag - 1.3 mg/liter

J Dougherty

RECEIVED

APR 27 1983

STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

C004323

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Elmhurst, Illinois 60126

Hn 2 liters a. - b.

Time Collected: 9 33am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 13 April 1983

Date Received: 04321 APR 15

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

X 216

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Elk Grove / Film Recovery	C83-127N

SOURCE OF SAMPLE: (Exact Location)

HBE Trailer Corp, Hinsdale FRS. chips -

Strick Trailer #194116 HBE # 13846

PHYSICAL OBSERVATIONS, REMARKS: Blue "Plastic" chips -

processed film

Cyanide odor possibly Ammonia odor

TESTS REQUESTED: Cyanide

EP tox Silver

COLLECTED BY: glenn Sternard TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: M Jacobs DATE COMPLETED: DATE FORWARDED: 4-26-83

Cn - 128.5 mg/kg (ppm) as rec'd

Ag - 0.34 mg/liter

J Daugherty

RECEIVED

APR 27 1983

E.P.A. — D.L.P.C.
STATE OF ILLINOIS

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

Haz Waste Mod C004021