L0970000000 -- Lake Co.
GRAYSLAKE GELATIN COMPANY
ILD000036558
HRS/SF

(Volume 2 of 2)

CERCLA

Analytical Results

EPA Region 5 Records Ctr.
327884

Illinois Environmental
Protection Agency

GRAYSLAKE GELATIN COMPANY
Grayslake, Illinois

TABLE 1

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Soil	X101		X102		X103		X104		X105		X106		X107		X108		X109		X110		X111		X112		X113	
Matrix :	Benchmarks	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94	
Time Sampled :	Removal	11:30		11:30		12:00		12:30		13:15		13:45		13:30		14:30		15:00		15:15		15:30		16:00		16:15	
%Moisture :	Action	29		30		15		14		27		18		31		29		25		11		65		17		28	
pH :	Levels	7.0		7.1		7.0		7.2		7.0		7.7		7.1		7.4		7.2		7.4		7.0		7.4		6.7	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
Volatile Compound		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Acetone	**							6	J																		
Methylene Chloride	**									21				14	J												
trans-1,2-Dichloroethene	**																										
1,1,1-Trichloroethane	70000000			3	J					28														7	J		
Toluene	16000000									9	J													5	J		
Xylenes (total)	--									4	J													4	J		

-- Blank cells represent analytical results below detection limits.
-- "J" Flag represents analytical results with estimated values.
-- ** No RAL Benchmark designated at the current time.

GRAYSLAKE GELATIN COMPANY
Grayslake, Illinois

TABLE 1 (cont.)

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Sediment	X201		X202		X203		X204	
Matrix :	Benchmarks	Sediment		Sediment		Sediment		Sediment	
Units :	ug/kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		11/30/94		11/30/94		11/30/94		11/30/94	
Time Sampled :	Ontario	10:45		10:45		10:30		11:15	
%Moisture :	Sediment	26		27		30		37	
pH :	Benchmarks	7.2		6.9		7.1		7.2	
Dilution Factor :		1.0		1.0		1.0		1.0	
Volatile Compound		Result	Flag	Result	Flag	Result	Flag	Result	Flag
		--		--		--		--	

-- All analytical results are below detection limits.

GRAYSLAKE GELATIN COMPANY
Grayslake, Illinois

TABLE 2

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Soil	X101		X102		X103		X104		X105		X106		X107		X108		X109		X110		X111		X112		X113	
Matrix :	Benchmarks	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94	
Time Sampled :	Removal	11:30		11:30		12:00		12:30		13:15		13:45		13:30		14:30		15:00		15:15		15:30		16:00		16:15	
%Moisture :	Action	29		30		15		14		27		18		31		29		25		11		65		17		28	
pH :	Levels	7.0		7.1		7.0		7.2		7.0		7.7		7.1		7.4		7.2		7.4		7.0		7.4		6.7	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Fluoranthene	1000000															140	J	95	J	110	J						
Pyrene	1000000															110	J			78	J						
Butylbenzylphthalate	160000000							250	J	160	J	160	J			110	J			130	J			260	J		

-- Blank cells represent analytical results below detection limits.
-- "J" Flag represents analytical results with estimated values.

GRAYSLAKE GELATIN COMPANY
Grayslake, Illinois

TABLE 2 (cont.)

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Sediment	X201		X202		X203		X204	
Matrix :	Benchmarks	Sediment		Sediment		Sediment		Sediment	
Units :	ug/kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		11/30/94		11/30/94		11/30/94		11/30/94	
Time Sampled :	Ontario	10:45		10:45		10:30		11:15	
%Moisture :	Sediment	26		27		30		37	
pH :	Benchmarks	7.2		6.9		7.1		7.2	
Dilution Factor :		1.0		1.0		1.0		1.0	
Semivolatile Compound		Result	Flag	Result	Flag	Result	Flag	Result	Flag
Phenanthrene	850*	99	J	120	J	100	J	240	J
Fluoranthene	2900*	200	J	240	J	100	J	300	J
Pyrene	660*	130	J	150	J			270	J
Butylbenzylphthalate	11000*			100	J			140	J
Benzo(a)anthracene	2000			110	J			170	J
Chrysene	2000	130	J	160	J			210	J
bis(2-Ethylhexyl)phthalate	**			300	J				
Benzo(b)fluoranthene	2000	200	J	140	J			190	J
Benzo(k)fluoranthene	2000							120	J
Benzo(a)pyrene	430*	90	J					150	J

-- Blank cells represent analytical results below detection limits.
-- "J" Flag represents analytical results with estimated values.
-- * USEPA Ecotox Thresholds
-- ** No Ontario Sediment Benchmarks or USEPA Ecotox Thresholds designated at the current time.

GRAYSLAKE GELATIN COMPANY

Grayslake, Illinois

TABLE 3

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Soil	X101		X102		X103		X104		X105		X106		X107		X108		X109		X110		X111		X112		X113	
Matrix :	Benchmarks	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	ug/kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94	
Time Sampled :	Removal	11:30		11:30		12:00		12:30		13:15		13:45		13:30		14:30		15:00		15:15		15:30		16:00		16:15	
%Moisture :	Action	29		30		15		14		27		18		31		29		25		11		65		17		28	
pH :	Levels	7.0		7.1		7.0		7.2		7.0		7.7		7.1		7.4		7.2		7.4		7.0		7.4		6.7	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dieldrin	11000									0.19	JP	0.19	JP	1.1	JP	0.54	JP	1.1	JP	0.9	JP	0.4	JP	0.29	JP		
4,4'-DDE	500000	1.7	JP	1.8	J													2.5	J					2.1	JP		
Endrin	230000	2	JP			0.33	J	0.26	J											2.6	J					2.8	J
Endosulfan II	39000																			1.4	JP						
4,4'-DDD	710000															3.6	J	2.4	JP			0.7	JP	1.7	JP	0.77	JP
Endosulfan Sulfate	**	1.7	JP	1.4	JP			0.13	JP	1.5	JP	0.83	J	0.75	JP	2.5	J	1.5	J	0.82	J					1.1	JP
4,4'-DDT	390000	2.3	J													4.7	P	2.6	JP	1.4	JP			2.2	JP	0.56	JP
Methoxychlor	**																	1.4	JP	0.85	JP			0.59	JP		
Endrine aldehyde	**					0.28	JP			1	JP	0.47	JP					1.8	JP							0.63	JP
alpha-Chlordane	**	0.36	JP							0.2	JP													0.14	JP		
gamma-Chlordane	**															0.66	JP	0.54	JP	0.31	JP	0.52	JP	0.096	JP		
Toxaphene	150000			76	J																						
Aroclor-1254	22000	22	JP	11	JP					16	JP			54	P	17	JP	16	JP	17	JP	11	JP				
Aroclor-1260	22000	39	JP							27	J					44	J	48		28	J						

-- Blank cells represent analytical results below detection limits.
-- "J" Flag represents analytical results with estimated values.
-- ** No RAL Benchmark designated at the current time.

GRAYSLAKE GELATIN COMPANY

Grayslake, Illinois

TABLE 3 (cont.)

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Sediment	X201		X202		X203		X204	
Matrix :	Benchmarks	Sediment		Sediment		Sediment		Sediment	
Units :	ug/kg	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		11/30/94		11/30/94		11/30/94		11/30/94	
Time Sampled :	Ontario	10:45		10:45		10:30		11:15	
%Moisture :	Sediment	26		27		30		37	
pH :	Benchmarks	7.2		6.9		7.1		7.2	
Dilution Factor :		1.0		1.0		1.0		1.0	
Pesticide/PCB Compound		Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aldrin	2					1.5	J		
Dieldrin	2	1.3	JP	1.4	JP				
4,4'-DDD	8	2.8	JP	3.1	JP	2.3	JP		
Endosulfan Sulfate	5.4*	1.7	JP					13	P
Endrine ketone	**					5	P	7	P
gamma-Chlordane	7	1.1	JP	1.3	JP	1.2	JP	1.8	JP
Toxaphene	28*	50	JP					210	JP
Aroclor-1254	60	47	P	54	P	63	P	100	
Aroclor-1260	5	41	JP	46	P	42	JP	59	P

-- Blank cells represent analytical results below detection limits.

-- "J" Flag represents analytical results with estimated values.

-- "P" Flag represents analytical results when there is greater than 25% difference for detected concentrations between the two analyzing GC columns. The lower of the two values is reported and flagged.

-- * USEPA Ecotox Thresholds

-- ** No Ontario Sediment Benchmarks or USEPA Ecotox Thresholds designated at the current time.

GRAYSLAKE GELATIN COMPANY
Grayslake, Illinois

TABLE 4

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-CHAMP/

Sampling Location :	Soil	X101		X102		X103		X104		X105		X106		X107		X108		X109		X110		X111		X112		X113	
Matrix :	Benchmarks	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Date Sampled :		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94		11/29/94	
Time Sampled :	Removal	11:30		11:30		12:00		12:30		13:15		13:45		13:30		14:30		15:00		15:15		15:30		16:00		16:15	
%Moisture :	Action	29		30		15		14		27		18		31		29		25		11		65		17		28	
pH :	Levels	7.0		7.1		7.0		7.2		7.0		7.7		7.1		7.4		7.2		7.4		7.0		7.4		6.7	
Dilution Factor :		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0		1.0	
ANALYTE		Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	**	16600		14000		5650		11200		15300		10200		15300		16100		9660		4630		4310		14600		10200	
ANTIMONY	310	6.8	U	14	U	5.4	U	7.5	U	5.2	U	4	U	6.2	U	6.4	U	5.5	U	4.3	U	8.8	U	4.9	U	7.5	U
ARSENIC	200	6.2		6.9		9.2		3.8	B	8.8		8		7.8		5.8		7.9		5.7		3.2	B	6.2		5.6	
BARIUM	**	103		89.1		20.6	B	40.3	B	81.9		36.7		103		81.8		49.3		32.1	B	32.4	B	78.7		88.6	
BERYLLIUM	40	0.84	B	0.75	B	0.38	B	0.62	B	0.8	B	0.54	B	0.86	B	0.8	B	0.57	B	0.21	B	0.36	U	0.74	B	0.53	B
CADMIUM	25	1.1	U	1	U	0.83	U	0.81	U	0.82	U	0.96	U	0.97	U	0.88	U	0.92	U	0.71	U	1.8	B	0.82	U	0.88	U
CALCIUM	**	25100		42300		85700		83000		25300		82100		18800		28400		55800		74600		16000		44000		2920	
CHROMIUM	400	22.1		19.2		10.3		18.1		22.1		17		21.2		23.2		17.1		10.2		21.7		20.9		14.4	
COBALT	**	9.1	B	7.2	B	8.2	B	9.5	B	9.2	B	10.6		8.7	B	9.8	B	10.5	B	4.7	B	2.5	U	9.2	B	10.1	B
COPPER	5000	26.8		24.3		24.8		22		27		22.3		26.4		26.8		33		31.6		69.2		21.9		13.8	
IRON	**	23100		22900		16100		19700		25900		21900		23000		22300		21500		13400		9170		21200		14900	
LEAD	1000	26.9		22.2		13.4		14.3		33.7		13.8		31.7		23.9		28.3		57.1		31.8		20.1		36.1	
MAGNESIUM	**	14500		22900		48500		46000		15100		45500		9550		16900		31100		41300		3140		25300		2270	
MANGANESE	**	556		698		704		517		657		553		385		548		517		340		113		573		1040	
MERCURY	1600	0.04	U	0.04	U	0.03	U	0.03	U	0.03	U	0.03	U	0.05	B	0.03	U	0.03	B	0.03	U	0.14	B	0.03	U	0.03	U
NICKEL	1600	24		22.6		22.1		25.5		24.5		25.6		25.6		25.2		25.8		14.1		21.4		24.8		13.7	
POTASSIUM	**	2060		1680		1940		3450		2460		2750		1650		2890		2110		811	B	1020	B	1660		1710	
SELENIUM	2300	0.29	U	1.4	U	1.2	U	1.2	U	1.3	U	1.1	U	1.5	U	1.3	U	1.3	U	1.1	U	0.5	U	1.2	U	1.4	U
SILVER	2300	1.8	U	1	U	0.83	U	0.81	U	0.82	U	0.66	U	0.98	U	0.88	U	0.92	U	0.71	U	1.4	U	0.82	U	0.88	U
SODIUM	**	102	B	102	B	146	B	185	B	95.3	B	179	B	67.7	B	122	B	141	B	226	B	316	B	105	B	50	U
THALLIUM	55	0.37	B	1.4	U	1.2	U	1.2	U	1.3	U	1.1	U	0.3	U	3.1	B	0.25	U	1.1	U	0.5	U	1.2	U	0.28	U
VANADIUM	**	33.9		29.4		14.4		23.8		35.4		23.4		34.6		34.9		25.5		20.6		45.6		32.1		26.9	
ZINC	160000	84		78.7		68.2		52.8		272		50.2		159		72.6		91		124		174		54.1		59.9	
CYANIDE	350	0.71	U	0.7	U	0.56	U	0.58	U	0.7	U	0.59		0.74	U	0.65	U	0.78		0.69		1.2	U	0.81	U	0.75	

-- ** No RAL Benchmark designated at the current time.

GRAYSLAKE GELATIN COMPANY

Grayslake, Illinois

TABLE 4 (cont.)

Analytical Results (Qualified Data)

SDG : 471622
Site : GRAYSLAKE
Lab. : IEPA-SPFLD

Sampling Location :	Sediment	X201		X202		X203		X204	
Matrix :	Benchmarks	Sediment		Sediment		Sediment		Sediment	
Units :	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg	
Date Sampled :		11/30/94		11/30/94		11/30/94		11/30/94	
Time Sampled :	Ontario	10:45		10:45		10:30		11:15	
%Moisture :	Sediment	26		27		30		37	
pH :	Benchmarks	7.2		6.9		7.1		7.2	
Dilution Factor :		1.0		1.0		1.0		1.0	
ANALYTE		Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	**	11300		10200		9540		14800	
ANTIMONY	**	8.5	U	5.4	U	7.6	U	6.2	U
ARSENIC	6	8.3		8.3		7		8.7	
BARIUM	**	50.9		48		62.8		177	
BERYLLIUM	**	0.66	B	0.6	B	0.67	B	0.98	B
CADMIUM	0.6	0.95	U	0.9	U	1	U	1	U
CALCIUM	**	63400		61400		39500		12400	
CHROMIUM	**	20		18.3		14.7		22	
COBALT	50	9.6	B	8.9	B	5.2	U	8.9	B
COPPER	16	38.6		38.9		43.9		55.7	
IRON	20000	22200		21700		20700		23500	
LEAD	31	52.9		51.3		132.7		98.8	
MAGNESIUM	**	35000		34300		21900		5480	
MANGANESE	460	504		493		290		480	
MERCURY	0.2	0.21		0.21		0.04	U	0.05	B
NICKEL	16	27.3		26.1		17.3		25.4	
POTASSIUM	**	2810		2360		1310	B	3030	
SELENIUM	**	1.3	U	1.3	U	1.6	U	1.6	U
SILVER	0.5	0.95	U	0.9	U	1	U	1	U
SODIUM	**	147	B	134	B	159	B	122	B
THALLIUM	**	0.26	U	1.3	U	0.31	U	0.32	U
VANADIUM	**	26.1		23.1		23.6		33.5	
ZINC	120	136		135		135		194	
CYANIDE	0.1	1.3		0.81		1.3		1.2	

-- ** No Ontario Sediment Benchmarks or USEPA Ecotox Thresholds designated at the current time.

SDG NARRATIVE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Springfield Organics Laboratory
825 N. Rutledge
Springfield, Illinois 62702
217-782-9780

Case: Gray's Lake Gelatin Co.

Sample Identification	IEPA Sample Number
X101	D471622
X102	D471623
X103	D471624
X104	D471625
X105	D471626
X105RE (2)	D471626
X106	D471627
X106RE (2)	D471627
X107	D471628
X108	D471629
X109	D471630
X109RE (2)	D471630
X110	D471631
X110RE (2)	D471631
X111	D471632
X112	D471633
X113	D471634
X113RE (1)	D471634RE
X201	D471635
X201RE (2)	D471635
X202	D471636
X202RE (2)	D471636
X203	D471637
X203RE (1)	D471637RE
X204	D471638
X204RE (1)	D471638RE
VBLKSL1	120294BLK
VBLKSL2	120594BLK
VBLKSL3	120294BLK
SBLKSL	D471713
GPCBLK	GPCBLANK
PBLKS1	D471722
X103MS (1)	D471624MS
X103MSD(1)	D471624MSD
X101MS (2)	D471712
X101MSD(2)	D471712R
X101MS (3)	D471622
X101MSD(3)	D471721R

(1) Volatile Sample
(2) Semivolatile Sample
(3) Pesticide Sample

VOLATILE FRACTION

The spectral disagreement for the following compounds is more than the 20% allowed when compared with the standard spectrum :

[illegible] 7
Methylene Chloride coelutes with a TIC.

X112
Methylene Chloride coelutes with a TIC.

VBLKSL1
Methylene Chloride coelutes with a TIC.

VBLKSL2
Methylene Chloride coelutes with a TIC.

SEMIVOLATILE FRACTION

X101
TIC #3 is BICYCLO[3,1,1]HEPT-2-ENE,2,6,6-TRIMETHYL. There is insufficient room on Form I for the name.

X107
TIC #2 is BICYCLO[3,1,1]HEPT-2-ENE,2,6,6-TRIMETHYL. There is insufficient room on Form I for the name.

TIC #21 is 2-PHENANTHRENOL, 4B,5,6,7,8,8A,9,10-OCTRAHYDRO, 4B,8,8-TRIMETHYL. There is insufficient room on Form I for the name.

X2[illegible]
[illegible] #7 is 1,4-NAPHTHALENEDIONE, 5-HYDROXY. There is insufficient room on Form I for the name.

X101MSD
The amount of surrogate added prior to extraction was doubled.

The spectral disagreement for the following compounds is more than the 20% allowed when compared with the standard spectrum :

X201
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

X201RE
Benzo(b)fluoranthene coelutes with a TIC.

X202
Bis(2-ethylhexyl)phthalate coelutes with a TIC.
Benzo(b)fluoranthene coelutes with a TIC.

X202RE
Butylbenzylphthalate coelutes with a TIC.
Chrysene coelutes with a TIC.
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.

X204
Benzo(b)fluoranthene coelutes with a TIC.
Benzo(k)fluoranthene coelutes with a TIC.
Benzo(a)pyrene coelutes with a TIC.

PESTICIDE FRACTION

No problems to report.

Celeste M Crowley — 1/13/95
Celeste Crowley — Date
Pesticide Supervisor

Gary Germann — 1/13/95
Gary Germann — Date
GC/MS Supervisor

John Hurley — 1/13/95
John Hurley — Date
Laboratory Manager

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471622

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 29 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471622

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 29 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471622

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
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	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	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	UJ CB
106-47-8	4-Chloroaniline	460	UJ CB
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	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471622

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	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	460	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	460	UJ	CB
101-55-3	4-Bromophenyl-phenylether	460	UJ	CB
118-74-1	Hexachlorobenzene	460	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	460	U	
120-12-7	Anthracene	460	U	
86-74-8	Carbazole	460	U	
84-74-2	Di-n-Butylphthalate	460 ~~410~~	~~BJ~~ U	CB
206-44-0	Fluoranthene	460	U	
129-00-0	Pyrene	460	U	
85-68-7	Butylbenzylphthalate	460	U	
91-94-1	3,3'-Dichlorobenzidine	460	UJ	CB
56-55-3	Benzo(a)Anthracene	460	U	
218-01-9	Chrysene	460	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U	
117-84-0	Di-n-Octyl Phthalate	460	UJ	CB
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	UJ	CB
53-70-3	Dibenz(a,h)Anthracene	460	UJ	CB
191-24-2	Benzo(g,h,i)Perylene	460	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471622

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.87	170	BJ
2.	UNKNOWN	11.02	1000	BJ
3. 80-56-8	BICYCLO[3.1.1]HEPT-2-ENE, 2,	11.57	370	JN
4.	UNKNOWN ALIP. KETONE	11.72	350	BAJ
5.	UNKNOWN	12.15	200	J
6.	UNKNOWN	12.70	1200	J
7.	C4-SUBSTITUTED BENZENE	13.55	150	J
8.	UNKNOWN ALIP. HYDROCARBON	13.67	260	J
9.	UNKNOWN	13.98	520	J
10.	UNKNOWN	16.33	250	J
11.	UNKNOWN ALIP. HYDROCARBON	24.52	150	J
12.	UNKNOWN ALIP. HYDROCARBON	24.60	300	J
13.	UNKNOWN ALIP. HYDROCARBON	25.95	140	J
14.	UNKNOWN ALIP. ACID	27.75	540	J
15.	UNKNOWN	29.60	230	J
16.	UNKNOWN ALIP. ACID ESTER	32.52	11000	J
17.	UNKNOWN	33.42	840	BJ
18.	UNKNOWN ALIP. HYDROCARBON	35.55	810	J
19.	UNKNOWN	37.53	2000	J
20.	UNKNOWN ALIP. HYDROCARBON	38.42	3300	J
21.	UNKNOWN	38.52	3600	J
22.	UNKNOWN	41.28	480	J
23.	UNKNOWN ALIP. HYDROCARBON	42.50	4800	J
24.	UNKNOWN	48.98	1300	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471622

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 29 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/14/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	1.7	JP
72-20-8	Endrin	2.0	JP
33213-65-9	Endosulfan II	4.6	U
50-29-3	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	1.7	JP
50-29-3	4,4'-DDT	2.3	J
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	0.36	J
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	22	JP
11096-82-5	Aroclor-1260	39	JP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471623

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 30 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471623

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 30 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471623

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
108-95-2	Phenol	470	U	
111-44-4	bis(2-Chloroethyl)Ether	470	U	
95-57-8	2-Chlorophenol	470	U	
541-73-1	1,3-Dichlorobenzene	470	U	
106-46-7	1,4-Dichlorobenzene	470	U	
95-50-1	1,2-Dichlorobenzene	470	U	
95-48-7	2-Methylphenol	470	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U	
106-44-5	4-Methylphenol	470	U	
621-64-7	N-Nitroso-Di-n-Propylamine	470	U	
67-72-1	Hexachloroethane	470	U	
98-95-3	Nitrobenzene	470	U	
78-59-1	Isophorone	470	U	
88-75-5	2-Nitrophenol	470	U	
105-67-9	2,4-Dimethylphenol	470	U	
111-91-1	bis(2-Chloroethoxy)Methane	470	U	
120-83-2	2,4-Dichlorophenol	470	U	
120-82-1	1,2,4-Trichlorobenzene	470	U	
91-20-3	Naphthalene	470	U	
106-47-8	4-Chloroaniline	470	UJ	CB
87-68-3	Hexachlorobutadiene	470	UJ	CB
59-50-7	4-Chloro-3-Methylphenol	470	U	
91-57-6	2-Methylnaphthalene	470	U	
77-47-4	Hexachlorocyclopentadiene	470	U	
88-06-2	2,4,6-Trichlorophenol	470	U	
95-95-4	2,4,5-Trichlorophenol	1100	U	
91-58-7	2-Chloronaphthalene	470	U	
88-74-4	2-Nitroaniline	1100	U	
131-11-3	Dimethylphthalate	470	U	
208-96-8	Acenaphthylene	470	U	
606-20-2	2,6-Dinitrotoluene	470	U	
99-09-2	3-Nitroaniline	1100	U	
83-32-9	Acenaphthene	470	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471623

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	U	
132-64-9	Dibenzofuran	470	U	
121-14-2	2,4-Dinitrotoluene	470	U	
84-66-2	Diethylphthalate	470	U	
7005-72-3	4-Chlorophenyl-phenylether	470	U	
86-73-7	Fluorene	470	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	470	UJ	CB
101-55-3	4-Bromophenyl-phenylether	470	UJ	CB
118-74-1	Hexachlorobenzene	470	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	470	U	
120-12-7	Anthracene	470	U	
86-74-8	Carbazole	470	U	
84-74-2	Di-n-Butylphthalate	~~380~~ 470	~~BJ~~ U	CB
206-44-0	Fluoranthene	470	U	
129-00-0	Pyrene	470	U	
85-68-7	Butylbenzylphthalate	470	U	
91-94-1	3,3'-Dichlorobenzidine	470	UJ	CB
56-55-3	Benzo(a)Anthracene	470	U	
218-01-9	Chrysene	470	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	470	U	
117-84-0	Di-n-Octyl Phthalate	470	UJ	CB
205-99-2	Benzo(b)Fluoranthene	470	U	
207-08-9	Benzo(k)Fluoranthene	470	U	
50-32-8	Benzo(a)Pyrene	470	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	470	UJ	CB
53-70-3	Dibenz(a,h)Anthracene	470	UJ	CB
191-24-2	Benzo(g,h,i)Perylene	470	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471623

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	940	BJ
2.	UNKNOWN	12.70	1600	J
3.	UNKNOWN ALIP. HYDROCARBON	13.65	290	J
4.	UNKNOWN	14.00	510	J
5.	UNKNOWN	16.33	300	J
6.	UNKNOWN ALIP. HYDROCARBON	24.58	280	J
7.	UNKNOWN ALIP. ACID	27.75	360	J
8.	UNKNOWN	29.60	460	J
9.	UNKNOWN ALIP. ACID ESTER	32.52	9700	J
10.	UNKNOWN	32.77	170	J
11.	UNKNOWN	33.42	780	BJ
12.	UNKNOWN ALIP. HYDROCARBON	35.55	730	J
13.	UNKNOWN	37.53	1900	J
14.	UNKNOWN ALIP. HYDROCARBON	38.42	2800	J
15.	UNKNOWN	38.52	3200	J
16.	UNKNOWN ALIP. HYDROCARBON	42.52	3600	J
17.	UNKNOWN	48.98	1200	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

L. Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471623

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/14/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	1.8	J
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
50-29-3	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	1.4	JP
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	76	J
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	11	JP
11096-82-5	Aroclor-1260	47	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471624

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 15 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471624

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 15 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471624

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1215E09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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	
95-50-1	1,2-Dichlorobenzene	390	U	
95-48-7	2-Methylphenol	390	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	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	390	U	
88-75-5	2-Nitrophenol	390	U	
105-67-9	2,4-Dimethylphenol	390	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	UJ	CS
87-68-3	Hexachlorobutadiene	390	UJ	CS
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	940	U	
91-58-7	2-Chloronaphthalene	390	U	
88-74-4	2-Nitroaniline	940	U	
131-11-3	Dimethylphthalate	390	U	
208-96-8	Acenaphthylene	390	U	
606-20-2	2,6-Dinitrotoluene	390	U	
99-09-2	3-Nitroaniline	940	U	
83-32-9	Acenaphthene	390	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471624

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1215E09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	940	U	
100-02-7	4-Nitrophenol	940	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	
100-10-6	4-Nitroaniline	940	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	940	U	
86-30-6	N-Nitrosodiphenylamine (1)	390	UJ	CB
101-55-3	4-Bromophenyl-phenylether	390	UJ	CB
118-74-1	Hexachlorobenzene	390	UJ	CB
87-86-5	Pentachlorophenol	940	U	
85-01-8	Phenanthrene	390	U	
120-12-7	Anthracene	390	U	
86-74-8	Carbazole	390	U	
84-74-2	Di-n-Butylphthalate	470	BU	CB
206-44-0	Fluoranthene	390	U	
129-00-0	Pyrene	390	U	
85-68-7	Butylbenzylphthalate	390	U	
91-94-1	3,3'-Dichlorobenzidine	390	UJ	CB
56-55-3	Benzo(a)Anthracene	390	U	
218-01-9	Chrysene	390	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U	
117-84-0	Di-n-Octyl Phthalate	390	UJ	CB
205-99-2	Benzo(b)Fluoranthene	390	U	
207-08-9	Benzo(k)Fluoranthene	390	U	
50-32-8	Benzo(a)Pyrene	390	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	390	UJ	CB
53-70-3	Dibenz(a,h)Anthracene	390	UJ	CB
191-24-2	Benzo(g,h,i)Perylene	390	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471624

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1215E09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	770	BJ
2.	UNKNOWN ALIP. HYDROCARBON	14.05	420	J
3.	UNKNOWN ALIP. HYDROCARBON	14.97	430	J
4.	UNKNOWN ALIP. HYDROCARBON	17.08	550	J
5.	UNKNOWN ALIP. HYDROCARBON	17.50	230	J
6.	UNKNOWN ALIP. HYDROCARBON	18.12	500	J
7.	UNKNOWN ALIP. HYDROCARBON	18.55	1000	J
8.	UNKNOWN	19.43	270	J
9.	UNKNOWN ALIP. HYDROCARBON	19.83	440	J
10.	UNKNOWN ALIP. HYDROCARBON	20.18	960	J
11.	UNKNOWN ALIP. HYDROCARBON	21.15	840	J
12.	UNKNOWN ALIP. HYDROCARBON	21.70	1200	J
13.	UNKNOWN ALIP. HYDROCARBON	23.15	850	J
14.	UNKNOWN ALIP. HYDROCARBON	24.52	1300	J
15.	UNKNOWN ALIP. HYDROCARBON	24.60	2100	J
16.	UNKNOWN ALIP. HYDROCARBON	25.80	990	J
17.	UNKNOWN ALIP. HYDROCARBON	25.95	1100	J
18.	UNKNOWN PHTHALATE	26.83	790	J
19.	UNKNOWN ALIP. HYDROCARBON	27.03	1100	J
20.	UNKNOWN ALIP. HYDROCARBON	28.22	760	J
21.	UNKNOWN ALIP. HYDROCARBON	29.35	740	J
22.	UNKNOWN ALIP. HYDROCARBON	30.42	810	J
23.	UNKNOWN ALIP. HYDROCARBON	31.47	750	J
24.	UNKNOWN ALIP. HYDROCARBON	32.45	660	J
25.	UNKNOWN ALIP. HYDROCARBON	33.42	1000	J
26.	UNKNOWN	34.17	200	J
27.	UNKNOWN ALIP. HYDROCARBON	34.42	550	J
3.	UNKNOWN ALIP. HYDROCARBON	35.55	460	J
29.	UNKNOWN ALIP. HYDROCARBON	36.85	280	J
30.	UNKNOWN ALIP. HYDROCARBON	38.42	350	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471624

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/14/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	0.33	J
33213-65-9	Endosulfan II	3.9	U
50-29-3	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	0.28	JP
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471625

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 14 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471625

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 14 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471625

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1215E05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
108-95-2	Phenol	380	U	
111-44-4	bis(2-Chloroethyl)Ether	380	U	
95-57-8	2-Chlorophenol	380	U	
541-73-1	1,3-Dichlorobenzene	380	U	
106-46-7	1,4-Dichlorobenzene	380	U	
95-50-1	1,2-Dichlorobenzene	380	U	
95-48-7	2-Methylphenol	380	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U	
106-44-5	4-Methylphenol	380	U	
621-64-7	N-Nitroso-Di-n-Propylamine	380	U	
67-72-1	Hexachloroethane	380	U	
98-95-3	Nitrobenzene	380	U	
78-59-1	Isophorone	380	U	
88-75-5	2-Nitrophenol	380	U	
105-67-9	2,4-Dimethylphenol	380	U	
111-91-1	bis(2-Chloroethoxy)Methane	380	U	
120-83-2	2,4-Dichlorophenol	380	U	
120-82-1	1,2,4-Trichlorobenzene	380	U	
91-20-3	Naphthalene	380	U	
106-47-8	4-Chloroaniline	380	UJ	CB
87-68-3	Hexachlorobutadiene	380	UJ	CB
59-50-7	4-Chloro-3-Methylphenol	380	U	
91-57-6	2-Methylnaphthalene	380	U	
77-47-4	Hexachlorocyclopentadiene	380	U	
88-06-2	2,4,6-Trichlorophenol	380	U	
95-95-4	2,4,5-Trichlorophenol	920	U	
91-58-7	2-Chloronaphthalene	380	U	
88-74-4	2-Nitroaniline	920	U	
131-11-3	Dimethylphthalate	380	U	
208-96-8	Acenaphthylene	380	U	
606-20-2	2,6-Dinitrotoluene	380	U	
99-09-2	3-Nitroaniline	920	U	
83-32-9	Acenaphthene	380	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471625

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1215E05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	920	U	
100-02-7	4-Nitrophenol	920	U	
132-64-9	Dibenzofuran	380	U	
121-14-2	2,4-Dinitrotoluene	380	U	
84-66-2	Diethylphthalate	380	U	
7005-72-3	4-Chlorophenyl-phenylether	380	U	
86-73-7	Fluorene	380	U	
100-10-6	4-Nitroaniline	920	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	920	U	
86-30-6	N-Nitrosodiphenylamine (1)	380	UJ	CB
101-55-3	4-Bromophenyl-phenylether	380	UJ	CB
118-74-1	Hexachlorobenzene	380	UJ	CB
87-86-5	Pentachlorophenol	920	U	
85-01-8	Phenanthrene	380	U	
120-12-7	Anthracene	380	U	
86-74-8	Carbazole	380	U	
84-74-2	Di-n-Butylphthalate	640	~~B~~ U	CB
206-44-0	Fluoranthene	380	U	
129-00-0	Pyrene	380	U	
85-68-7	Butylbenzylphthalate	250	J	
91-94-1	3,3'-Dichlorobenzidine	380	UJ	CB
56-55-3	Benzo(a)Anthracene	380	U	
218-01-9	Chrysene	380	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	380	U	
117-84-0	Di-n-Octyl Phthalate	380	UJ	CB
205-99-2	Benzo(b)Fluoranthene	380	U	
207-08-9	Benzo(k)Fluoranthene	380	U	
50-32-8	Benzo(a)Pyrene	380	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	380	UJ	CB
53-70-3	Dibenz(a,h)Anthracene	380	UJ	CB
191-24-2	Benzo(g,h,i)Perylene	380	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471625

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1215E05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.03	760	BJ
2.	UNKNOWN ALIP. KETONE	11.73	380	BAJ
3. 100-52-7	BENZALDEHYDE	12.15	130	JN
4.	UNKNOWN ALIP. HYDROCARBON	17.10	350	J
5.	UNKNOWN ALIP. HYDROCARBON	17.50	140	J
6.	UNKNOWN ALIP. HYDROCARBON	18.12	340	J
7.	UNKNOWN ALIP. HYDROCARBON	18.58	660	J
8.	UNKNOWN ALIP. HYDROCARBON	19.85	290	J
9.	UNKNOWN ALIP. HYDROCARBON	20.20	630	J
10.	UNKNOWN ALIP. HYDROCARBON	21.17	560	J
11.	UNKNOWN ~~BENZENE~~ AROMATIC HC	21.42	180	J
12.	UNKNWON ALIP. HYDROCARBON	21.72	730	J
13.	UNKNOWN	23.05	110	J
14.	UNKNOWN ALIP. HYDROCARBON	23.15	580	J
15.	UNKNOWN ALIP. HYDROCARBON	24.52	780	J
16.	UNKNOWN ALIP. HYDROCARBON	24.62	1400	J
17.	UNKNOWN ALIP. HYDROCARBON	25.82	620	J
18.	UNKNOWN ALIP. HYDROCARBON	25.97	750	J
19.	UNKNOWN	26.82	170	J
20.	UNKNOWN ALIP. HYDROCARBON	27.07	540	J
21.	UNKNOWN ALIP. HYDROCARBON	28.23	490	J
22.	UNKNOWN ALIP. HYDROCARBON	29.35	490	J
23.	UNKNWON ALIP. HYDROCARBON	30.45	830	J
24.	UNKNOWN ALIP. HYDROCARBON	31.47	780	J
25.	UNKNOWN ALIP. HYDROCARBON	32.48	640	J
26.	UNKNOWN	33.10	440	J
27.	UNKNOWN ALIP. HYDROCARBON	33.45	960	J
28.	UNKNOWN	34.20	910	J
29.	UNKNOWN ALIP. HYDROCARBON	34.43	490	J
30.	UNKNOWN ALIP. HYDROCARBON	35.57	380	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471625

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	0.26	J
33213-65-9	Endosulfan II	3.8	U
50-29-3	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	0.13	JP
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

L. Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471626

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1205BK06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 27 Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	14	U	
74-83-9	Bromomethane	14	U	
75-01-4	Vinyl Chloride	14	U	
75-00-3	Chloroethane	14	U	
75-09-2	Methylene Chloride	21	~~B~~ U	CB
67-64-1	Acetone	14	U	
75-15-0	Carbon Disulfide	14	U	
75-35-4	1,1-Dichloroethene	14	U	
75-34-3	1,1-Dichloroethane	14	U	
540-59-0	1,2-Dichloroethene (total)	14	U	
67-66-3	Chloroform	14	U	
107-06-2	1,2-Dichloroethane	14	U	
78-93-3	2-Butanone	14	U	
71-55-6	1,1,1-Trichloroethane	28		
56-23-5	Carbon Tetrachloride	14	U	
75-27-4	Bromodichloromethane	14	U	
78-87-5	1,2-Dichloropropane	14	U	
10061-01-5	cis-1,3-Dichloropropene	14	U	
79-01-6	Trichloroethene	14	U	
124-48-1	Dibromochloromethane	14	U	
79-00-5	1,1,2-Trichloroethane	14	U	
71-43-2	Benzene	14	U	
10061-02-6	trans-1,3-Dichloropropene	14	U	
75-25-2	Bromoform	14	U	
108-10-1	4-Methyl-2-Pentanone	14	U	
591-78-6	2-Hexanone	14	U J	CB
127-18-4	Tetrachloroethene	14	U	
79-34-5	1,1,2,2-Tetrachloroethane	14	U	
108-88-3	Toluene	9	J	
108-90-7	Chlorobenzene	14	U	
100-41-4	Ethylbenzene	14	U	
100-42-5	Styrene	14	U	
1330-20-7	Xylene (total)	4	J	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471626

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1205BK06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 27 Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471626

Sample wt/vol: 30.40 (g/mL) G Lab File ID: B1216E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	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	UJ
87-68-3	Hexachlorobutadiene	450	UJ
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	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	450	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471626

Sample wt/vol: 30.40 (g/mL) G Lab File ID: B1216E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	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	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	450	U	
101-55-3	4-Bromophenyl-phenylether	450	UJ	CB
118-74-1	Hexachlorobenzene	450	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	450	U	
120-12-7	Anthracene	450	U	
86-74-8	Carbazole	450	U	
84-74-2	Di-n-Butylphthalate	620	BU	CB
206-44-0	Fluoranthene	450	U	
129-00-0	Pyrene	450	U	
85-68-7	Butylbenzylphthalate	160	J	
91-94-1	3,3'-Dichlorobenzidine	450	UJ	CB
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-Octyl Phthalate	450	UJ	CB
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.

X105

L· Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471626

Sample wt/vol: 30.40 (g/mL) G Lab File ID: B1216E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	180	BJ
2.	UNKNOWN	11.00	1000	BJ
3.	UNKNOWN ALIP. KETONE	11.70	440	BAJ
4.	UNKNOWN	12.70	1000	J
5.	UNKNOWN	13.98	670	J
6.	UNKNOWN ALIP. HYDROCARBON	14.95	190	J
7.	UNKNOWN	24.52	160	J
8.	UNKNOWN ALIP. HYDROCARBON	24.58	260	J
9.	UNKNOWN	27.67	190	J
10.	UNKNOWN ALIP. ACID	27.75	530	J
11.	UNKNOWN ALIP. HYDROCARBON	31.47	270	J
12.	UNKNOWN	32.22	160	J
13.	UNKNOWN ALIP. HYDROCARBON	32.45	200	J
14.	UNKNOWN	32.70	190	J
15.	UNKNOWN	33.08	440	J
16.	UNKNOWN	33.42	910	BJ
17.	UNKNOWN	34.08	270	J
18.	UNKNOWN	34.18	510	J
19.	UNKNOWN ALIP. HYDROCARBON	34.42	300	J
20.	UNKNOWN ALIP. HYDROCARBON	35.57	1200	J
21.	UNKNOWN ALIP. HYDROCARBON	36.87	450	J
22.	UNKNOWN	37.55	2700	J
23.	UNKNOWN ALIP. HYDROCARBON	38.45	5500	J
24.	UNKNOWN	38.55	3600	J
25.	UNKNOWN ALIP. HYDROCARBON	40.28	470	J
26.	UNKNOWN	41.32	830	J
27.	UNKNOWN ALIP. HYDROCARBON	42.55	6500	J
28.	UNKNOWN	48.58	860	J
29.	UNKNOWN	49.07	1500	J
30.	UNKNOWN	51.47	470	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

1 Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471626

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	0.19	JP
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
50-29-3	4,4'-DDD	4.5	U
1031-07-8	Endosulfan sulfate	1.5	JP
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-36-3	Endrin aldehyde	1.0	JP
5103-71-9	alpha-Chlordane	0.20	JP
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	91	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	16	JP
11096-82-5	Aroclor-1260	27	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471627

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 18 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471627

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 18 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471627

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-Propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)Methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	UJ
87-68-3	Hexachlorobutadiene	400	UJ
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471627

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	970	U	
100-02-7	4-Nitrophenol	970	U	
132-64-9	Dibenzofuran	400	U	
121-14-2	2,4-Dinitrotoluene	400	U	
84-66-2	Diethylphthalate	400	U	
7005-72-3	4-Chlorophenyl-phenylether	400	U	
86-73-7	Fluorene	400	U	
100-10-6	4-Nitroaniline	970	U R	CB
534-52-1	4,6-Dinitro-2-methylphenol	970	U	
86-30-6	N-Nitrosodiphenylamine (1)	400	U	
101-55-3	4-Bromophenyl-phenylether	400	U J	CB
118-74-1	Hexachlorobenzene	400	U J	CB
87-86-5	Pentachlorophenol	970	U	
85-01-8	Phenanthrene	400	U	
120-12-7	Anthracene	400	U	
86-74-8	Carbazole	400	U	
84-74-2	Di-n-Butylphthalate	640	RU	CB
206-44-0	Fluoranthene	400	U	
129-00-0	Pyrene	400	U	
85-68-7	Butylbenzylphthalate	160	J	
91-94-1	3,3'-Dichlorobenzidine	400	U J	CB
56-55-3	Benzo(a)Anthracene	400	U	
218-01-9	Chrysene	400	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	400	U	
117-84-0	Di-n-Octyl Phthalate	400	U J	CB
205-99-2	Benzo(b)Fluoranthene	400	U	
207-08-9	Benzo(k)Fluoranthene	400	U	
50-32-8	Benzo(a)Pyrene	400	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	400	U	
53-70-3	Dibenz(a,h)Anthracene	400	U	
191-24-2	Benzo(g,h,i)Perylene	400	U	

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

L. Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471627

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E06

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 18 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	1200	BJ
2.	UNKNOWN	12.70	740	J
3.	UNKNOWN	13.98	920	J
4.	UNKNOWN ALIP. HYDROCARBON	17.07	460	J
5.	UNKNOWN ALIP. HYDROCARBON	18.10	460	J
6.	UNKNOWN ALIP. HYDROCARBON	18.55	700	J
7.	UNKNOWN ALIP. HYDROCARBON	19.82	450	J
8.	UNKNOWN ALIP. HYDROCARBON	20.18	890	J
9.	UNKNOWN ALIP. HYDROCARBON	21.15	820	J
10.	UNKNOWN ALIP. HYDROCARBON	21.70	1200	J
11.	UNKNOWN ALIP. HYDROCARBON	23.15	980	J
12.	UNKNOWN ALIP. HYDROCARBON	24.52	1500	J
13.	UNKNOWN ALIP. HYDROCARBON	24.58	2100	J
14.	UNKNOWN ALIP. HYDROCARBON	25.80	1100	J
15.	UNKNOWN ALIP. HYDROCARBON	25.95	1300	J
16.	UNKNOWN	26.80	300	J
17.	UNKNOWN ALIP. HYDROCARBON	27.03	1100	J
18.	UNKNOWN	27.75	370	J
19.	UNKNOWN ALIP. HYDROCARBON	28.22	830	J
20.	UNKNOWN ALIP. HYDROCARBON	29.35	800	J
21.	UNKNOWN ALIP. HYDROCARBON	30.42	850	J
22.	UNKNOWN ALIP. HYDROCARBON	31.47	850	J
23.	UNKNOWN ALIP. HYDROCARBON	32.45	780	J
24.	UNKNOWN ALIP. HYDROCARBON	33.42	1400	J
25.	UNKNOWN	34.17	530	J
26.	UNKNOWN ALIP. HYDROCARBON	34.42	720	J
27.	UNKNOWN ALIP. HYDROCARBON	35.57	720	J
28.	UNKNOWN	37.53	680	J
29.	UNKNOWN ALIP. HYDROCARBON	38.43	710	J
30.	UNKNOWN	38.53	880	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471627

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	0.19	JP
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
50-29-3	4,4'-DDD	4.0	U
1031-07-8	Endosulfan sulfate	0.83	J
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	0.47	JP
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40 ~~9.6~~	~~JP~~ U

CB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471628

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK10

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 31 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471628

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK10

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 31 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471628

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1219E03

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 31 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)Ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-Di-n-Propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)Methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	UJ
59-50-7	4-Chloro-3-Methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471628

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1219E03

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 31 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1200	U	
100-02-7	4-Nitrophenol	1200	U	
132-64-9	Dibenzofuran	480	U	
121-14-2	2,4-Dinitrotoluene	480	U	
84-66-2	Diethylphthalate	480	U	
7005-72-3	4-Chlorophenyl-phenylether	480	U	
86-73-7	Fluorene	480	U	
100-10-6	4-Nitroaniline	1200	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1200	U	
86-30-6	N-Nitrosodiphenylamine (1)	480	UJ	CB
101-55-3	4-Bromophenyl-phenylether	480	UJ	CB
118-74-1	Hexachlorobenzene	480	UJ	CB
87-86-5	Pentachlorophenol	1200	U	
85-01-8	Phenanthrene	480	U	
120-12-7	Anthracene	480	U	
86-74-8	Carbazole	480	U	
84-74-2	Di-n-Butylphthalate	480 ~~460~~	~~BJ~~ U	CB
206-44-0	Fluoranthene	480	U	
129-00-0	Pyrene	480	U	
85-68-7	Butylbenzylphthalate	480	U	
91-94-1	3,3'-Dichlorobenzidine	480	UJ	CB
56-55-3	Benzo(a)Anthracene	480	U	
218-01-9	Chrysene	480	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	480	U	
117-84-0	Di-n-Octyl Phthalate	480	UJ	CB
205-99-2	Benzo(b)Fluoranthene	480	U	
207-08-9	Benzo(k)Fluoranthene	480	U	
50-32-8	Benzo(a)Pyrene	480	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	480	U	
53-70-3	Dibenz(a,h)Anthracene	480	U	
191-24-2	Benzo(g,h,i)Perylene	480	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471628

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1219E03

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 31 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.98	920	BJ
2. 80-56-8	BICYCLO[3.1.1]HEPT-2-ENE, 2,	11.52	1100	JN
3.	UNKNOWN	12.67	1900	J
4.	UNKNOWN	20.18	1300	J
5.	UNKNOWN	20.47	510	J
6.	UNKNOWN	20.68	1000	J
7.	UNKNOWN	20.80	1000	J
8.	UNKNOWN	20.87	410	J
9.	UNKNOWN	21.50	1400	J
10.	UNKNOWN	21.65	3400	J
11.	UNKNOWN	21.75	2300	J
12.	UNKNOWN	22.23	1000	J
13.	UNKNOWN	22.53	660	J
14.	UNKNOWN	22.60	450	J
15.	UNKNOWN	24.12	1600	J
16.	UNKNOWN ALIP. HYDROCARBON	24.55	390	J
17.	UNKNOWN	26.57	750	J
18.	UNKNOWN ALIP. ACID	27.72	640	J
19.	UNKNOWN	29.47	410	J
20.	UNKNOWN	31.88	1900	J
21. 511-15-9	2-PHENANTHRENOL, 4B,5,6,7,8,	32.20	26000	JN
22.	UNKNOWN	33.38	1200	BJ
23.	UNKNOWN ALIP. HYDROCARBON	35.52	1800	J
24.	UNKNOWN	35.72	1700	J
25.	UNKNOWN	37.50	4400	J
26.	UNKNOWN ALIP. HYDROCARBON	38.40	11000	J
27.	UNKNOWN	38.52	5400	J
28.	UNKNOWN ALIP. HYDROCARBON	42.52	20000	J
29.	UNKNOWN ALIP. HYDROCARBON	48.52	4000	J
30.	UNKNOWN	49.02	2300	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471628

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 31 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	1.1	JP
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
50-29-3	4,4'-DDD	4.7	U
1031-07-8	Endosulfan sulfate	0.75	JP
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	96	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	54	P
11096-82-5	Aroclor-1260	47	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471629

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 29 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471629

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 29 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

L. Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471629

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1219E12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

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
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
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	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	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	UJ
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	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471629

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1219E12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	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	460	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	460	UJ	CB
101-55-3	4-Bromophenyl-phenylether	460	UJ	CB
118-74-1	Hexachlorobenzene	460	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	460	U	
120-12-7	Anthracene	460	U	
86-74-8	Carbazole	460	U	
84-74-2	Di-n-Butylphthalate	780	BU	CB
206-44-0	Fluoranthene	140	J	
129-00-0	Pyrene	110	J	
85-68-7	Butylbenzylphthalate	110	J	
91-94-1	3,3'-Dichlorobenzidine	460	UJ	CB
56-55-3	Benzo(a)Anthracene	460	U	
218-01-9	Chrysene	460	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U	
117-84-0	Di-n-Octyl Phthalate	460	UJ	CB
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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471629

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1219E12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.85	190	BJ
2.	UNKNOWN	11.02	1100	BJ
3.	UNKNOWN	12.13	510	J
4.	UNKNOWN	12.70	1600	J
5.	UNKNOWN ALIP. HYDROCARBON	20.17	150	J
6.	UNKNOWN ALIP. HYDROCARBON	21.15	200	J
7.	UNKNOWN ALIP. HYDROCARBON	21.70	310	J
8.	UNKNOWN ALIP. HYDROCARBON	23.13	230	J
9.	UNKNOWN ALIP. HYDROCARBON	23.82	240	J
10.	UNKNOWN ALIP. HYDROCARBON	24.50	430	J
11.	UNKNOWN ALIP. HYDROCARBON	24.58	700	J
12.	UNKNOWN ALIP. HYDROCARBON	25.80	320	J
13.	UNKNOWN ALIP. HYDROCARBON	25.95	360	J
14.	UNKNOWN ALIP. HYDROCARBON	27.03	340	J
15.	UNKNOWN ALIP. ACID	27.75	540	J
16.	UNKNOWN ALIP. HYDROCARBON	28.22	250	J
17.	UNKNOWN ALIP. HYDROCARBON	29.35	260	J
18.	UNKNOWN ALIP. HYDROCARBON	30.42	290	J
19.	UNKNOWN ALIP. HYDROCARBON	31.47	480	J
20.	UNKNOWN ALIP. HYDROCARBON	32.45	360	J
21.	UNKNOWN	33.42	1300	BJ
22.	UNKNOWN	34.17	240	J
23.	UNKNOWN ALIP. HYDROCARBON	34.42	330	J
24.	UNKNOWN ALIP. HYDROCARBON	35.55	1400	J
25.	UNKNOWN ALIP. HYDROCARBON	36.87	570	J
26.	UNKNOWN	37.53	11000	J
7.	UNKNOWN ALIP. HYDROCARBON	38.45	4200	J
28.	UNKNOWN	38.55	16000	J
29.	UNKNOWN	41.30	1400	J
30.	UNKNOWN ALIP. HYDROCARBON	42.52	3400	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471629

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 29 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	0.54	JP
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
50-29-3	4,4'-DDD	3.6	J
1031-07-8	Endosulfan sulfate	2.5	J
50-29-3	4,4'-DDT	4.7	P
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	0.68	JP
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	17	JP
11096-82-5	Aroclor-1260	44	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 25 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	13	U	
74-83-9	Bromomethane	13	U	
75-01-4	Vinyl Chloride	13	U	
75-00-3	Chloroethane	13	UJ	CB
75-09-2	Methylene Chloride	13 5	~~BJ~~ U	CB
67-64-1	Acetone	13	U	
75-15-0	Carbon Disulfide	13	U	
75-35-4	1,1-Dichloroethene	13	U	
75-34-3	1,1-Dichloroethane	13	U	
540-59-0	1,2-Dichloroethene (total)	13	U	
67-66-3	Chloroform	13	U	
107-06-2	1,2-Dichloroethane	13	U	
78-93-3	2-Butanone	13	U	
71-55-6	1,1,1-Trichloroethane	13	U	
56-23-5	Carbon Tetrachloride	13	U	
75-27-4	Bromodichloromethane	13	U	
78-87-5	1,2-Dichloropropane	13	U	
10061-01-5	cis-1,3-Dichloropropene	13	U	
79-01-6	Trichloroethene	13	U	
124-48-1	Dibromochloromethane	13	U	
79-00-5	1,1,2-Trichloroethane	13	U	
71-43-2	Benzene	13	U	
10061-02-6	trans-1,3-Dichloropropene	13	U	
75-25-2	Bromoform	13	U	
108-10-1	4-Methyl-2-Pentanone	13	U	
591-78-6	2-Hexanone	13	UJ	CB
127-18-4	Tetrachloroethene	13	U	
79-34-5	1,1,2,2-Tetrachloroethane	13	U	
108-88-3	Toluene	13	U	
108-90-7	Chlorobenzene	13	U	
100-41-4	Ethylbenzene	13	U	
100-42-5	Styrene	13	U	
1330-20-7	Xylene (total)	13	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 25 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1216E05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
108-95-2	Phenol	440	U	
111-44-4	bis(2-Chloroethyl)Ether	440	U	
95-57-8	2-Chlorophenol	440	U	
541-73-1	1,3-Dichlorobenzene	440	U	
106-46-7	1,4-Dichlorobenzene	440	U	
95-50-1	1,2-Dichlorobenzene	440	U	
95-48-7	2-Methylphenol	440	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U	
106-44-5	4-Methylphenol	440	U	
621-64-7	N-Nitroso-Di-n-Propylamine	440	U	
67-72-1	Hexachloroethane	440	U	
98-95-3	Nitrobenzene	440	U	
78-59-1	Isophorone	440	U	
88-75-5	2-Nitrophenol	440	U	
105-67-9	2,4-Dimethylphenol	440	U	
111-91-1	bis(2-Chloroethoxy)Methane	440	U	
120-83-2	2,4-Dichlorophenol	440	U	
120-82-1	1,2,4-Trichlorobenzene	440	U	
91-20-3	Naphthalene	440	U	
106-47-8	4-Chloroaniline	440	UJ	
87-68-3	Hexachlorobutadiene	440	UJ	
59-50-7	4-Chloro-3-Methylphenol	440	U	
91-57-6	2-Methylnaphthalene	440	U	
77-47-4	Hexachlorocyclopentadiene	440	U	
88-06-2	2,4,6-Trichlorophenol	440	U	
95-95-4	2,4,5-Trichlorophenol	1100	U	
91-58-7	2-Chloronaphthalene	440	U	
88-74-4	2-Nitroaniline	1100	U	
131-11-3	Dimethylphthalate	440	U	
208-96-8	Acenaphthylene	440	U	
606-20-2	2,6-Dinitrotoluene	440	U	
99-09-2	3-Nitroaniline	1100	U	
83-32-9	Acenaphthene	440	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1216E05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	U	
132-64-9	Dibenzofuran	440	U	
121-14-2	2,4-Dinitrotoluene	440	U	
84-66-2	Diethylphthalate	440	U	
7005-72-3	4-Chlorophenyl-phenylether	440	U	
86-73-7	Fluorene	440	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	440	U	
101-55-3	4-Bromophenyl-phenylether	440	UJ	CB
118-74-1	Hexachlorobenzene	440	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	440	U	
120-12-7	Anthracene	440	U	
86-74-8	Carbazole	440	U	
84-74-2	Di-n-Butylphthalate	450	~~B~~U	CB
206-44-0	Fluoranthene	95	J	
129-00-0	Pyrene	440	U	
85-68-7	Butylbenzylphthalate	440	U	
91-94-1	3,3'-Dichlorobenzidine	440	UJ	CB
56-55-3	Benzo(a)Anthracene	440	U	
218-01-9	Chrysene	440	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	440	U	
117-84-0	Di-n-Octyl Phthalate	440	UJ	CB
205-99-2	Benzo(b)Fluoranthene	440	U	
207-08-9	Benzo(k)Fluoranthene	440	U	
50-32-8	Benzo(a)Pyrene	440	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	440	U	
53-70-3	Dibenz(a,h)Anthracene	440	U	
191-24-2	Benzo(g,h,i)Perylene	440	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1216E05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.00	960	BJ
2.	UNKNOWN	12.13	470	J
3.	UNKNOWN	12.70	1400	J
4.	UNKNOWN	13.97	820	J
5.	UNKNOWN ALIP. HYDROCARBON	21.15	420	J
6.	UNKNOWN ALIP. HYDROCARBON	21.68	530	J
7.	UNKNOWN ALIP. HYDROCARBON	23.13	440	J
8.	UNKNOWN ALIP. HYDROCARBON	24.50	1000	J
9.	UNKNOWN ALIP. HYDROCARBON	24.58	1100	J
10.	UNKNOWN ALIP. HYDROCARBON	25.80	580	J
11.	UNKNOWN ALIP. HYDROCARBON	25.95	690	J
12.	UNKNOWN ALIP. HYDROCARBON	27.03	650	J
13.	UNKNOWN ALIP. ACID	27.75	760	J
14.	UNKNOWN ALIP. HYDROCARBON	28.20	550	J
15.	UNKNOWN ALIP. HYDROCARBON	29.33	490	J
16.	UNKNOWN ALIP. HYDROCARBON	30.42	520	J
17.	UNKNOWN ALIP. HYDROCARBON	31.45	770	J
18.	UNKNOWN ALIP. HYDROCARBON	32.45	690	J
19.	UNKNOWN ALIP. ACID ESTER	32.50	610	J
20.	UNKNOWN	33.42	1900	BJ
21.	UNKNOWN ALIP. HYDROCARBON	34.42	590	J
22.	UNKNOWN ALIP. HYDROCARBON	35.57	2600	J
23.	UNKNOWN ALIP. HYDROCARBON	36.87	670	J
24.	UNKNOWN	37.53	1600	J
25.	UNKNOWN ALIP. HYDROCARBON	38.43	6800	J
26.	UNKNOWN	38.55	1900	J
27.	UNKNOWN ALIP. HYDROCARBON	40.28	510	J
28.	UNKNOWN	41.30	1100	J
29.	UNKNOWN ALIP. HYDROCARBON	42.55	5400	J
30.	UNKNOWN	42.78	620	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109RE

Lab Name: ILLINOIS EPA Contract: 0970000000

L. Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	UJ
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109RE

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	U	
132-64-9	Dibenzofuran	440	U	
121-14-2	2,4-Dinitrotoluene	440	U	
84-66-2	Diethylphthalate	440	U	
7005-72-3	4-Chlorophenyl-phenylether	440	U	
86-73-7	Fluorene	440	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	440	UJ	CB
101-55-3	4-Bromophenyl-phenylether	440	UJ	CB
118-74-1	Hexachlorobenzene	440	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	440	U	
120-12-7	Anthracene	440	U	
86-74-8	Carbazole	440	U	
84-74-2	Di-n-Butylphthalate	440	BU	CB
206-44-0	Fluoranthene	89	J	
129-00-0	Pyrene	440	U	
85-68-7	Butylbenzylphthalate	440	U	
91-94-1	3,3'-Dichlorobenzidine	440	UJ	CB
56-55-3	Benzo(a)Anthracene	440	U	
218-01-9	Chrysene	440	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	440	U	
117-84-0	Di-n-Octyl Phthalate	440	UJ	CB
205-99-2	Benzo(b)Fluoranthene	440	U	
207-08-9	Benzo(k)Fluoranthene	440	U	
50-32-8	Benzo(a)Pyrene	440	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	440	U	
53-70-3	Dibenz(a,h)Anthracene	440	U	
191-24-2	Benzo(g,h,i)Perylene	440	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109RE

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 25 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/19/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.00	910	BJ
2.	UNKNOWN	12.70	1500	J
3.	UNKNOWN	13.98	630	J
4.	UNKNOWN ALIP. HYDROCARBON	20.17	300	J
5.	UNKNOWN ALIP. HYDROCARBON	21.13	430	J
6.	UNKNOWN ALIP. HYDROCARBON	21.68	530	J
7.	UNKNOWN ALIP. HYDROCARBON	23.12	440	J
8.	UNKNOWN ALIP. HYDROCARBON	24.50	990	J
9.	UNKNOWN ALIP. HYDROCARBON	24.58	1300	J
10.	UNKNOWN ALIP. HYDROCARBON	25.78	590	J
11.	UNKNOWN ALIP. HYDROCARBON	25.93	670	J
12.	UNKNOWN ALIP. HYDROCARBON	27.03	670	J
13.	UNKNOWN ALIP. ACID	27.73	590	J
14.	UNKNOWN ALIP. HYDROCARBON	28.20	540	J
15.	UNKNOWN ALIP. HYDROCARBON	29.33	510	J
16.	UNKNOWN ALIP. HYDROCARBON	30.42	520	J
17.	UNKNOWN ALIP. HYDROCARBON	31.43	780	J
18.	UNKNOWN ALIP. HYDROCARBON	32.45	640	J
19.	UNKNOWN ALIP. ACID ESTER	32.50	1000	J
20.	UNKNOWN	33.40	1800	BJ
21.	UNKNOWN ALIP. HYDROCARBON	34.40	560	J
22.	UNKNOWN	34.85	220	J
23.	UNKNOWN ALIP. HYDROCARBON	35.55	2600	J
24.	UNKNOWN ALIP. HYDROCARBON	36.85	660	J
25.	UNKNOWN	37.53	1900	J
26.	UNKNOWN ALIP. HYDROCARBON	38.42	7600	J
27.	UNKNOWN	38.53	2100	J
28.	UNKNOWN	41.28	1300	J
29.	UNKNOWN ALIP. HYDROCARBON	42.52	5900	J
30.	UNKNOWN	42.77	630	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471630

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 25 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	1.1	JP
72-55-9	4,4'-DDE	2.5	J
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
50-29-3	4,4'-DDD	2.4	JP
1031-07-8	Endosulfan sulfate	1.5	J
50-29-3	4,4'-DDT	2.6	JP
72-43-5	Methoxychlor	1.4	JP
53494-70-5	Endrin ketone	4.4	U
7421-36-3	Endrin aldehyde	1.8	JP
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	0.54	JP
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	16	JP
11096-82-5	Aroclor-1260	48	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471631

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK13

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 11 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	11	U	
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	UJ	CB
75-09-2	Methylene Chloride	11 ~~8~~	~~BJ~~ U	CB
67-64-1	Acetone	11	U	
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11	U	
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	UJ	CB
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	11	U	
108-90-7	Chlorobenzene	11	U	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (total)	11	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471631

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK13

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 11 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471631

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1216E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
108-95-2	Phenol	370	U	
111-44-4	bis(2-Chloroethyl)Ether	370	U	
95-57-8	2-Chlorophenol	370	U	
541-73-1	1,3-Dichlorobenzene	370	U	
106-46-7	1,4-Dichlorobenzene	370	U	
95-50-1	1,2-Dichlorobenzene	370	U	
95-48-7	2-Methylphenol	370	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U	
106-44-5	4-Methylphenol	370	U	
621-64-7	N-Nitroso-Di-n-Propylamine	370	U	
67-72-1	Hexachloroethane	370	U	
98-95-3	Nitrobenzene	370	U	
78-59-1	Isophorone	370	U	
88-75-5	2-Nitrophenol	370	U	
105-67-9	2,4-Dimethylphenol	370	U	
111-91-1	bis(2-Chloroethoxy)Methane	370	U	
120-83-2	2,4-Dichlorophenol	370	U	
120-82-1	1,2,4-Trichlorobenzene	370	U	
91-20-3	Naphthalene	370	U	
106-47-8	4-Chloroaniline	370	UJ	
87-68-3	Hexachlorobutadiene	370	UJ	
59-50-7	4-Chloro-3-Methylphenol	370	U	
91-57-6	2-Methylnaphthalene	370	U	
77-47-4	Hexachlorocyclopentadiene	370	U	
88-06-2	2,4,6-Trichlorophenol	370	U	
95-95-4	2,4,5-Trichlorophenol	890	U	
91-58-7	2-Chloronaphthalene	370	U	
88-74-4	2-Nitroaniline	890	U	
131-11-3	Dimethylphthalate	370	U	
208-96-8	Acenaphthylene	370	U	
606-20-2	2,6-Dinitrotoluene	370	U	
99-09-2	3-Nitroaniline	890	U	
83-32-9	Acenaphthene	370	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471631

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1216E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	890	U	
100-02-7	4-Nitrophenol	890	U	
132-64-9	Dibenzofuran	370	U	
121-14-2	2,4-Dinitrotoluene	370	U	
84-66-2	Diethylphthalate	370	U	
7005-72-3	4-Chlorophenyl-phenylether	370	U	
86-73-7	Fluorene	370	U	
100-10-6	4-Nitroaniline	890	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	890	U	
86-30-6	N-Nitrosodiphenylamine (1)	370	U	
101-55-3	4-Bromophenyl-phenylether	370	UJ	CB
118-74-1	Hexachlorobenzene	370	UJ	CB
87-86-5	Pentachlorophenol	890	U	
85-01-8	Phenanthrene	370	U	
120-12-7	Anthracene	370	U	
86-74-8	Carbazole	370	U	
84-74-2	Di-n-Butylphthalate	650	BU	CB
206-44-0	Fluoranthene	110	J	
129-00-0	Pyrene	78	J	
85-68-7	Butylbenzylphthalate	130	J	
91-94-1	3,3'-Dichlorobenzidine	370	UJ	CB
56-55-3	Benzo(a)Anthracene	370	U	
218-01-9	Chrysene	370	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	370	U	
117-84-0	Di-n-Octyl Phthalate	370	UJ	CB
205-99-2	Benzo(b)Fluoranthene	370	U	
207-08-9	Benzo(k)Fluoranthene	370	U	
50-32-8	Benzo(a)Pyrene	370	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U	
53-70-3	Dibenz(a,h)Anthracene	370	U	
191-24-2	Benzo(g,h,i)Perylene	370	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471631

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1216E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 11 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	780	BJ
2.	UNKNOWN ALIP. KETONE	11.73	350	BAJ
3.	UNKNOWN	12.72	350	J
4.	UNKNOWN ALIP. ACID	23.28	170	J
5.	UNKNOWN ALIP. ACID	27.75	140	J
6.	UNKNOWN ALIP. HYDROCARBON	30.43	83	J
7.	UNKNOWN ALIP. HYDROCARBON	31.47	220	J
8.	UNKNOWN ALIP. HYDROCARBON	32.47	170	J
9.	UNKNOWN	33.43	1000	BJ
10.	UNKNOWN	34.18	320	J
11.	UNKNOWN ALIP. HYDROCARBON	34.43	210	J
12.	UNKNOWN	34.88	240	J
13.	UNKNOWN ALIP. HYDROCARBON	35.57	2000	J
14.	UNKNOWN ALIP. HYDROCARBON	36.88	300	J
15.	UNKNOWN	37.55	2300	J
16.	UNKNOWN ALIP. HYDROCARBON	38.45	3900	J
17.	UNKNOWN	38.55	1400	J
18.	UNKNOWN ALIP. HYDROCARBON	40.28	290	J
19.	UNKNOWN	41.32	1100	J
20.	UNKNOWN ALIP. HYDROCARBON	42.55	3800	J
21.	UNKNOWN	42.78	390	J
22.	UNKNOWN	46.83	520	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471631

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

% Moisture: 11 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	0.90	JP
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	2.6	J
33213-65-9	Endosulfan II	1.4	JP
50-29-3	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	0.82	J
50-29-3	4,4'-DDT	1.4	JP
72-43-5	Methoxychlor	0.85	JP
53494-70-5	Endrin ketone	3.7	U
7421-36-3	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	0.31	JP
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	17	JP
11096-82-5	Aroclor-1260	28	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471632

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK14

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 65 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	29	U	
74-83-9	Bromomethane	29	U	
75-01-4	Vinyl Chloride	29	U	
75-00-3	Chloroethane	29	UJ	cs
75-09-2	Methylene Chloride	29 ~~10~~	~~BJ~~ U	cs
67-64-1	Acetone	29	U	
75-15-0	Carbon Disulfide	29	U	
75-35-4	1,1-Dichloroethene	29	U	
75-34-3	1,1-Dichloroethane	29	U	
540-59-0	1,2-Dichloroethene (total)	29	U	
67-66-3	Chloroform	29	U	
107-06-2	1,2-Dichloroethane	29	U	
78-93-3	2-Butanone	29	U	
71-55-6	1,1,1-Trichloroethane	29	U	
56-23-5	Carbon Tetrachloride	29	U	
75-27-4	Bromodichloromethane	29	U	
78-87-5	1,2-Dichloropropane	29	U	
10061-01-5	cis-1,3-Dichloropropene	29	U	
79-01-6	Trichloroethene	29	U	
124-48-1	Dibromochloromethane	29	U	
79-00-5	1,1,2-Trichloroethane	29	U	
71-43-2	Benzene	29	U	
10061-02-6	trans-1,3-Dichloropropene	29	U	
75-25-2	Bromoform	29	U	
108-10-1	4-Methyl-2-Pentanone	29	U	
591-78-6	2-Hexanone	29	UJ	cs
127-18-4	Tetrachloroethene	29	U	
79-34-5	1,1,2,2-Tetrachloroethane	29	U	
108-88-3	Toluene	29	U	
108-90-7	Chlorobenzene	29	U	
100-41-4	Ethylbenzene	29	U	
100-42-5	Styrene	29	U	
1330-20-7	Xylene (total)	29	U	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471632

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1202BK14

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 65 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471632

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 65 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	930	U
111-44-4	bis(2-Chloroethyl)Ether	930	U
95-57-8	2-Chlorophenol	930	U
541-73-1	1,3-Dichlorobenzene	930	U
106-46-7	1,4-Dichlorobenzene	930	U
95-50-1	1,2-Dichlorobenzene	930	U
95-48-7	2-Methylphenol	930	U
108-60-1	2,2'-oxybis(1-Chloropropane)	930	U
106-44-5	4-Methylphenol	930	U
621-64-7	N-Nitroso-Di-n-Propylamine	930	U
67-72-1	Hexachloroethane	930	U
98-95-3	Nitrobenzene	930	U
78-59-1	Isophorone	930	U
88-75-5	2-Nitrophenol	930	U
105-67-9	2,4-Dimethylphenol	930	U
111-91-1	bis(2-Chloroethoxy)Methane	930	U
120-83-2	2,4-Dichlorophenol	930	U
120-82-1	1,2,4-Trichlorobenzene	930	U
91-20-3	Naphthalene	930	U
106-47-8	4-Chloroaniline	930	UJ
87-68-3	Hexachlorobutadiene	930	UJ
59-50-7	4-Chloro-3-Methylphenol	930	U
91-57-6	2-Methylnaphthalene	930	U
77-47-4	Hexachlorocyclopentadiene	930	U
88-06-2	2,4,6-Trichlorophenol	930	U
95-95-4	2,4,5-Trichlorophenol	2300	U
91-58-7	2-Chloronaphthalene	930	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethylphthalate	930	U
208-96-8	Acenaphthylene	930	U
606-20-2	2,6-Dinitrotoluene	930	U
99-09-2	3-Nitroaniline	2300	U
83-32-9	Acenaphthene	930	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471632

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 65 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	2300	U	
100-02-7	4-Nitrophenol	2300	U	
132-64-9	Dibenzofuran	930	U	
121-14-2	2,4-Dinitrotoluene	930	U	
84-66-2	Diethylphthalate	930	U	
7005-72-3	4-Chlorophenyl-phenylether	930	U	
86-73-7	Fluorene	930	U	
100-10-6	4-Nitroaniline	2300	UR	
534-52-1	4,6-Dinitro-2-methylphenol	2300	U	
86-30-6	N-Nitrosodiphenylamine (1)	930	UJ	
101-55-3	4-Bromophenyl-phenylether	930	UJ	
118-74-1	Hexachlorobenzene	930	UJ	
87-86-5	Pentachlorophenol	2300	U	
85-01-8	Phenanthrene	930	U	
120-12-7	Anthracene	930	U	
86-74-8	Carbazole	930	U	
84-74-2	Di-n-Butylphthalate	980	BU	
206-44-0	Fluoranthene	930	U	
129-00-0	Pyrene	930	U	
85-68-7	Butylbenzylphthalate	930	U	
91-94-1	3,3'-Dichlorobenzidine	930	UJ	
56-55-3	Benzo(a)Anthracene	930	U	
218-01-9	Chrysene	930	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	930	U	
117-84-0	Di-n-Octyl Phthalate	930	UJ	
205-99-2	Benzo(b)Fluoranthene	930	U	
207-08-9	Benzo(k)Fluoranthene	930	U	
50-32-8	Benzo(a)Pyrene	930	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	930	UJ	
53-70-3	Dibenz(a,h)Anthracene	930	UJ	
191-24-2	Benzo(g,h,i)Perylene	930	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X111

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471632

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1215E04

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 65 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	1900	BJ
2.	UNKNOWN ALIP. KETONE	11.72	1600	BAJ
3.	UNKNOWN	12.70	4200	J
4.	UNKNOWN ALIP. ACID	27.75	420	J
5.	UNKNOWN ALIP. ACID ESTER	32.52	8300	J
6.	UNKNOWN	33.42	2900	BJ
7.	UNKNOWN ALIP. HYDROCARBON	35.57	5200	J
8.	UNKNOWN	37.53	2200	J
9.	UNKNOWN ALIP. HYDROCARBON	38.42	12000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471632

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 65 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.8	U
319-85-7	beta-BHC	4.8	U
319-86-8	delta-BHC	4.8	U
58-89-9	gamma-BHC (Lindane)	4.8	U
76-44-8	Heptachlor	4.8	U
309-00-2	Aldrin	4.8	U
1024-57-3	Heptachlor epoxide	4.8	U
959-98-8	Endosulfan I	4.8	U
60-57-1	Dieldrin	0.40	JP
72-55-9	4,4'-DDE	9.3	U
72-20-8	Endrin	9.3	U
33213-65-9	Endosulfan II	9.3	U
50-29-3	4,4'-DDD	0.70	JP
1031-07-8	Endosulfan sulfate	9.3	U
50-29-3	4,4'-DDT	9.3	U
72-43-5	Methoxychlor	48	U
53494-70-5	Endrin ketone	9.3	U
7421-36-3	Endrin aldehyde	9.3	U
5103-71-9	alpha-Chlordane	4.8	U
5103-74-2	gamma-Chlordane	0.52	JP
8001-35-2	Toxaphene	480	U
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	93	U
53469-21-9	Aroclor-1242	93	U
12672-29-6	Aroclor-1248	93	U
11097-69-1	Aroclor-1254	11	JP
11096-82-5	Aroclor-1260	93 ~~19~~	~~JP~~ U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471633

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1205BK07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 17 Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	12	U	
74-83-9	Bromomethane	12	U	
75-01-4	Vinyl Chloride	12	U	
75-00-3	Chloroethane	12	U	
75-09-2	Methylene Chloride	12 ~~8~~	~~BJ~~ U	CB
67-64-1	Acetone	12	U	
75-15-0	Carbon Disulfide	12	U	
75-35-4	1,1-Dichloroethene	12	U	
75-34-3	1,1-Dichloroethane	12	U	
540-59-0	1,2-Dichloroethene (total)	12	U	
67-66-3	Chloroform	12	U	
107-06-2	1,2-Dichloroethane	12	U	
78-93-3	2-Butanone	12	U	
71-55-6	1,1,1-Trichloroethane	7	J	
56-23-5	Carbon Tetrachloride	12	U	
75-27-4	Bromodichloromethane	12	U	
78-87-5	1,2-Dichloropropane	12	U	
10061-01-5	cis-1,3-Dichloropropene	12	U	
79-01-6	Trichloroethene	12	U	
124-48-1	Dibromochloromethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
71-43-2	Benzene	12	U	
10061-02-6	trans-1,3-Dichloropropene	12	U	
75-25-2	Bromoform	12	U	
108-10-1	4-Methyl-2-Pentanone	12	U	
591-78-6	2-Hexanone	12	UJ	CB
127-18-4	Tetrachloroethene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
108-88-3	Toluene	5	J	
108-90-7	Chlorobenzene	12	U	
100-41-4	Ethylbenzene	12	U	
100-42-5	Styrene	12	U	
1330-20-7	Xylene (total)	4	J	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471633

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1205BK07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 17 Date Analyzed: 12/05/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471633

Sample wt/vol: 30.40 (g/mL) G Lab File ID: B1215E03

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

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
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	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	UJ
87-68-3	Hexachlorobutadiene	390	UJ
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	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471633

Sample wt/vol: 30.40 (g/mL) G Lab File ID: B1215E03

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	950	U	
100-02-7	4-Nitrophenol	950	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	
100-10-6	4-Nitroaniline	950	UR	
534-52-1	4,6-Dinitro-2-methylphenol	950	U	
86-30-6	N-Nitrosodiphenylamine (1)	390	UJ	
101-55-3	4-Bromophenyl-phenylether	390	UJ	
118-74-1	Hexachlorobenzene	390	UJ	
87-86-5	Pentachlorophenol	950	U	
85-01-8	Phenanthrene	390	U	
120-12-7	Anthracene	390	U	
86-74-8	Carbazole	390	U	
84-74-2	Di-n-Butylphthalate	760	~~R~~ U	
206-44-0	Fluoranthene	390	U	
129-00-0	Pyrene	390	U	
85-68-7	Butylbenzylphthalate	260	J	
91-94-1	3,3'-Dichlorobenzidine	390	UJ	
56-55-3	Benzo(a)Anthracene	390	U	
218-01-9	Chrysene	390	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	390	U	
117-84-0	Di-n-Octyl Phthalate	390	UJ	
205-99-2	Benzo(b)Fluoranthene	390	U	
207-08-9	Benzo(k)Fluoranthene	390	U	
50-32-8	Benzo(a)Pyrene	390	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	390	UJ	
53-70-3	Dibenz(a,h)Anthracene	390	UJ	
191-24-2	Benzo(g,h,i)Perylene	390	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471633

Sample wt/vol: 30.40 (g/mL) G Lab File ID: B1215E03

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 17 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/15/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.00	1000	BJ
2.	UNKNOWN ALIP. KETONE	11.70	420	BAJ
3. 100-52-7	BENZALDEHYDE	12.12	95	JN
4.	UNKNOWN ALIP. HYDROCARBON	23.12	100	J
5.	UNKNOWN ALIP. ACID ESTER	24.17	340	J
6.	UNKNOWN ALIP. HYDROCARBON	24.50	230	J
7.	UNKNOWN ALIP. HYDROCARBON	24.58	330	J
8.	UNKNOWN ALIP. HYDROCARBON	25.93	190	J
9.	UNKNOWN	26.47	180	J
10.	UNKNOWN ALIP. ACID	27.73	160	J
11.	UNKNOWN ALIP. HYDROCARBON	28.20	160	J
12.	UNKNOWN ALIP. HYDROCARBON	31.45	500	J
13.	UNKNOWN ALIP. HYDROCARBON	32.45	360	J
14.	UNK. PHOSPHORIC ACID ESTER	33.07	810	J
15.	UNKNOWN	33.42	1500	BJ
16.	UNKNOWN	34.17	1200	J
17.	UNKNOWN ALIP. HYDROCARBON	35.53	1200	J
18.	UNKNOWN	37.52	520	J
19.	UNKNOWN ALIP. HYDROCARBON	38.40	2600	J
20.	UNKNOWN	38.52	890	J
21.	UNKNOWN ALIP. HYDROCARBON	42.48	1900	J
22.	UNKNOWN	48.98	3600	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471633

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/15/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	0.29	JP
72-55-9	4,4'-DDE	2.1	JP
72-20-8	Endrin	4.0	U
33213-65-9	Endosulfan II	4.0	U
50-29-3	4,4'-DDD	1.7	JP
1031-07-8	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	2.2	J
72-43-5	Methoxychlor	0.59	JP
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	0.14	JP
5103-74-2	gamma-Chlordane	0.096	JP
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40 ~~7.6~~	~~JP~~ U CB

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

La Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471634

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 28 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471634

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC12

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 28 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471634

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B1215E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 28 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

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
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
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	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	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 J CB
87-68-3	Hexachlorobutadiene	460	U J CB
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	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471634

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B1215E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 28 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	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	460	U	
100-10-6	4-Nitroaniline	1100	UR	
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	460	UJ	
101-55-3	4-Bromophenyl-phenylether	460	UJ	
118-74-1	Hexachlorobenzene	460	UJ	
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	460	U	
120-12-7	Anthracene	460	U	
86-74-8	Carbazole	460	U	
84-74-2	Di-n-Butylphthalate	540	RU	
206-44-0	Fluoranthene	460	U	
129-00-0	Pyrene	460	U	
85-68-7	Butylbenzylphthalate	460	U	
91-94-1	3,3'-Dichlorobenzidine	460	UJ	
56-55-3	Benzo(a)Anthracene	460	U	
218-01-9	Chrysene	460	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	460	U	
117-84-0	Di-n-Octyl Phthalate	460	UJ	
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	UJ	
53-70-3	Dibenz(a,h)Anthracene	460	UJ	
191-24-2	Benzo(g,h,i)Perylene	460	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X113

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471634

Sample wt/vol: 30.10 (g/mL) G Lab File ID: B1215E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 28 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	1100	BJ
2.	UNKNOWN ALIP. KETONE	11.72	500	BAJ
3.	UNKNOWN	12.70	960	J
4.	UNKNOWN	14.00	490	J
5.	UNKNOWN	16.33	340	J
6.	UNKNOWN ALIP. ACID	27.75	560	J
7.	UNKNOWN	31.42	320	J
8.	UNKNOWN ALIP. ACID ESTER	32.53	19000	J
9.	UNKNOWN	33.42	1100	BJ
10.	UNKNOWN ALIP. HYDROCARBON	35.57	1000	J
11.	UNKNOWN	37.53	2300	J
12.	UNKNOWN ALIP. HYDROCARBON	38.42	2600	J
13.	UNKNOWN	38.52	1600	J
14.	UNKNOWN	41.28	1200	J
15.	UNKNOWN ALIP. HYDROCARBON	42.52	4800	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

1 Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471634

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 28 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/16/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	2.8	J
33213-65-9	Endosulfan II	4.6	U
50-29-3	4,4'-DDD	0.77	JP
1031-07-8	Endosulfan sulfate	1.1	JP
50-29-3	4,4'-DDT	0.56	JP
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.6	U
7421-36-3	Endrin aldehyde	0.63	JP
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	2.3	U
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46 ~~17~~	~~J~~ U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471635

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 26 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471635

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 26 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

La Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471635

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
108-95-2	Phenol	440	U	
111-44-4	bis(2-Chloroethyl)Ether	440	U	
95-57-8	2-Chlorophenol	440	U	
541-73-1	1,3-Dichlorobenzene	440	U	
106-46-7	1,4-Dichlorobenzene	440	U	
95-50-1	1,2-Dichlorobenzene	440	U	
95-48-7	2-Methylphenol	440	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U	
106-44-5	4-Methylphenol	440	U	
621-64-7	N-Nitroso-Di-n-Propylamine	440	U	
67-72-1	Hexachloroethane	440	U	
98-95-3	Nitrobenzene	440	U	
78-59-1	Isophorone	440	U	
88-75-5	2-Nitrophenol	440	U	
105-67-9	2,4-Dimethylphenol	440	U	
111-91-1	bis(2-Chloroethoxy)Methane	440	U	
120-83-2	2,4-Dichlorophenol	440	U	
120-82-1	1,2,4-Trichlorobenzene	440	U	
91-20-3	Naphthalene	440	U	
106-47-8	4-Chloroaniline	440	UJ	CB
87-68-3	Hexachlorobutadiene	440	UJ	CB
59-50-7	4-Chloro-3-Methylphenol	440	U	
91-57-6	2-Methylnaphthalene	440	U	
77-47-4	Hexachlorocyclopentadiene	440	U	
88-06-2	2,4,6-Trichlorophenol	440	U	
95-95-4	2,4,5-Trichlorophenol	1100	U	
91-58-7	2-Chloronaphthalene	440	U	
88-74-4	2-Nitroaniline	1100	U	
131-11-3	Dimethylphthalate	440	U	
208-96-8	Acenaphthylene	440	U	
606-20-2	2,6-Dinitrotoluene	440	U	
99-09-2	3-Nitroaniline	1100	U	
83-32-9	Acenaphthene	440	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471635

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	U	
132-64-9	Dibenzofuran	440	U	
121-14-2	2,4-Dinitrotoluene	440	U	
84-66-2	Diethylphthalate	440	U	
7005-72-3	4-Chlorophenyl-phenylether	440	U	
86-73-7	Fluorene	440	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	440	U ~~J~~	CB
101-55-3	4-Bromophenyl-phenylether	440	UJ	CB
118-74-1	Hexachlorobenzene	440	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	99	J	
120-12-7	Anthracene	440	U	
86-74-8	Carbazole	440	U	
84-74-2	Di-n-Butylphthalate	~~410~~ 440	~~BJ~~ U	CB
206-44-0	Fluoranthene	200	J	
129-00-0	Pyrene	130	J	
85-68-7	Butylbenzylphthalate	440	U	
91-94-1	3,3'-Dichlorobenzidine	440	UJ	CB
56-55-3	Benzo(a)Anthracene	440	U	
218-01-9	Chrysene	130	J	
117-81-7	bis(2-Ethylhexyl)Phthalate	440	U	
117-84-0	Di-n-Octyl Phthalate	440	UJ	CB
205-99-2	Benzo(b)Fluoranthene	200	J	
207-08-9	Benzo(k)Fluoranthene	440	U	
50-32-8	Benzo(a)Pyrene	90	J	
193-39-5	Indeno(1,2,3-cd)Pyrene	440	U	
53-70-3	Dibenz(a,h)Anthracene	440	U	
191-24-2	Benzo(g,h,i)Perylene	440	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471635

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E09

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	1000	BJ
2.	UNKNOWN	12.70	1600	J
3.	UNKNOWN	13.98	790	J
4.	UNKNOWN ALIP. HYDROCARBON	21.15	330	J
5.	UNKNOWN ALIP. HYDROCARBON	21.68	410	J
6.	UNKNOWN ALIP. HYDROCARBON	23.13	380	J
7.	UNKNOWN ALIP. HYDROCARBON	23.82	430	J
8.	UNKNOWN ALIP. HYDROCARBON	24.50	830	J
9.	UNKNOWN ALIP. HYDROCARBON	24.58	1100	J
10.	UNKNOWN ALIP. HYDROCARBON	25.80	540	J
11.	UNKNOWN ALIP. HYDROCARBON	25.95	640	J
12.	UNKNOWN ALIP. HYDROCARBON	27.03	630	J
13.	UNKNOWN	27.65	250	J
14.	UNKNOWN ALIP. ACID	27.75	580	J
15.	UNKNOWN ALIP. HYDROCARBON	28.20	460	J
16.	UNKNOWN ALIP. HYDROCARBON	29.33	420	J
17.	UNKNOWN	29.58	240	J
18.	UNKNOWN ALIP. HYDROCARBON	31.45	360	J
19.	UNKNOWN ALIP. ACID ESTER	32.52	9400	J
20.	UNKNOWN	33.42	1600	BJ
21.	UNKNOWN ALIP. HYDROCARBON	34.42	510	J
22.	UNKNOWN ALIP. HYDROCARBON	35.55	1700	J
23.	UNKNOWN ALIP. HYDROCARBON	36.85	440	J
24.	UNKNOWN	37.53	1400	J
25.	UNKNOWN ALIP. HYDROCARBON	38.43	4300	J
26.	UNKNOWN	38.53	2700	J
27.	UNKNOWN ALIP. HYDROCARBON	40.28	420	J
28.	UNKNOWN	41.28	990	J
29.	UNKNOWN ALIP. HYDROCARBON	42.53	4500	J
30.	UNKNOWN	42.77	450	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471635

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/16/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	1.3	JP
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4	U
50-29-3	4,4'-DDD	2.8	JP
1031-07-8	Endosulfan sulfate	1.7	JP
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.4	U
7421-36-3	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	1.1	JP
8001-35-2	Toxaphene	50	JP
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	47	P
11096-82-5	Aroclor-1260	41	JP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

La Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471636

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 27 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471636

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 27 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

La Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471636

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

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	
95-50-1	1,2-Dichlorobenzene	450	U	
95-48-7	2-Methylphenol	450	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	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	450	U	
88-75-5	2-Nitrophenol	450	U	
105-67-9	2,4-Dimethylphenol	450	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	UJ	CB
87-68-3	Hexachlorobutadiene	450	UJ	CB
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	1100	U	
91-58-7	2-Chloronaphthalene	450	U	
88-74-4	2-Nitroaniline	1100	U	
131-11-3	Dimethylphthalate	450	U	
208-96-8	Acenaphthylene	450	U	
606-20-2	2,6-Dinitrotoluene	450	U	
99-09-2	3-Nitroaniline	1100	U	
83-32-9	Acenaphthene	450	U	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471636

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	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	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	450	U	
101-55-3	4-Bromophenyl-phenylether	450	UJ	CB
118-74-1	Hexachlorobenzene	450	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	120	J	
120-12-7	Anthracene	450	U	
86-74-8	Carbazole	450	U	
84-74-2	Di-n-Butylphthalate	740	BU	CB
206-44-0	Fluoranthene	240	J	
129-00-0	Pyrene	150	J	
85-68-7	Butylbenzylphthalate	100	J	
91-94-1	3,3'-Dichlorobenzidine	450	UJ	CB
56-55-3	Benzo(a)Anthracene	110	J	
218-01-9	Chrysene	160	J	
117-81-7	bis(2-Ethylhexyl)Phthalate	300	J	
117-84-0	Di-n-Octyl Phthalate	450	UJ	CB
205-99-2	Benzo(b)Fluoranthene	140	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.

X202

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471636

Sample wt/vol: 30.20 (g/mL) G Lab File ID: B1216E08

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/17/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	910	BJ
2.	UNKNOWN ALIP. KETONE	11.70	490	BAJ
3.	UNKNOWN	12.70	1100	J
4.	UNKNOWN ALIP. HYDROCARBON	21.72	450	J
5.	UNKNOWN ALIP. HYDROCARBON	23.15	400	J
6.	UNKNOWN ALIP. HYDROCARBON	23.83	470	J
7.	UNKNOWN	24.18	610	J
8.	UNKNOWN ALIP. HYDROCARBON	24.52	850	J
9.	UNKNOWN ALIP. HYDROCARBON	24.60	1200	J
10.	UNKNOWN ALIP. HYDROCARBON	25.82	580	J
11.	UNKNOWN ALIP. HYDROCARBON	25.95	680	J
12.	UNKNOWN PHTHALATE	26.83	570	J
13.	UNKNOWN ALIP. HYDROCARBON	27.03	620	J
14.	UNKNOWN	27.58	380	J
15.	UNKNOWN	27.68	380	J
16.	UNKNOWN ACID	27.77	820	J
17.	UNKNOWN ALIP. HYDROCARBON	28.23	610	J
18.	UNKNOWN ALIP. HYDROCARBON	29.35	480	J
19.	UNKNOWN ALIP. HYDROCARBON	30.43	500	J
20.	UNKNOWN ALIP. HYDROCARBON	31.47	440	J
21.	UNKNOWN ALIP. HYDROCARBON	32.47	540	J
22.	UNKNOWN	33.42	1600	BJ
23.	UNKNOWN ALIP. HYDROCARBON	34.43	590	J
24.	UNKNOWN ALIP. HYDROCARBON	35.57	2100	J
25.	UNKNOWN ALIP. HYDROCARBON	36.88	530	J
26.	UNKNOWN	37.55	1600	J
27.	UNKNOWN ALIP. HYDROCARBON	38.45	3100	J
28.	UNKNOWN	38.55	3000	J
29.	UNKNOWN	41.32	1100	J
30.	UNKNOWN ALIP. HYDROCARBON	42.55	4300	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471636

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/16/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	1.4	JP
72-55-9	4,4'-DDE	4.5	U
72-20-8	Endrin	4.5	U
33213-65-9	Endosulfan II	4.5	U
50-29-3	4,4'-DDD	3.1	JP
1031-07-8	Endosulfan sulfate	4.5	U
50-29-3	4,4'-DDT	4.5	U
72-43-5	Methoxychlor	23	U
53494-70-5	Endrin ketone	4.5	U
7421-36-3	Endrin aldehyde	4.5	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	1.3	JP
8001-35-2	Toxaphene	63	JP
12674-11-2	Aroclor-1016	45	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	45	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	45	U
11097-69-1	Aroclor-1254	54	P
11096-82-5	Aroclor-1260	46	P

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203RE

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471637RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC10

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 30 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203RE

La Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471637RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC10

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 30 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471637

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	UJ
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

I Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471637

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1100	U	
100-02-7	4-Nitrophenol	1100	U	
132-64-9	Dibenzofuran	470	U	
121-14-2	2,4-Dinitrotoluene	470	U	
84-66-2	Diethylphthalate	470	U	
7005-72-3	4-Chlorophenyl-phenylether	470	U	
86-73-7	Fluorene	470	U	
100-10-6	4-Nitroaniline	1100	UR	CB
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	
86-30-6	N-Nitrosodiphenylamine (1)	470	UJ	CB
101-55-3	4-Bromophenyl-phenylether	470	UJ	CB
118-74-1	Hexachlorobenzene	470	UJ	CB
87-86-5	Pentachlorophenol	1100	U	
85-01-8	Phenanthrene	100	J	
120-12-7	Anthracene	470	U	
86-74-8	Carbazole	470	U	
84-74-2	Di-n-Butylphthalate	690	~~B~~U CB	
206-44-0	Fluoranthene	100	J	
129-00-0	Pyrene	470	U	
85-68-7	Butylbenzylphthalate	470	U	
91-94-1	3,3'-Dichlorobenzidine	470	UJ	CB
56-55-3	Benzo(a)Anthracene	470	U	
218-01-9	Chrysene	470	U	
117-81-7	bis(2-Ethylhexyl)Phthalate	470	U	
117-84-0	Di-n-Octyl Phthalate	470	UJ	CB
205-99-2	Benzo(b)Fluoranthene	470	U	
207-08-9	Benzo(k)Fluoranthene	470	U	
50-32-8	Benzo(a)Pyrene	470	U	
193-39-5	Indeno(1,2,3-cd)Pyrene	470	U	
53-70-3	Dibenz(a,h)Anthracene	470	U	
191-24-2	Benzo(g,h,i)Perylene	470	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471637

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E07

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 30 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.02	1000	BJ
2.	UNKNOWN ALIP. KETONE	11.72	590	BAJ
3.	UNKNOWN	12.70	1000	J
4.	UNKNOWN	16.33	220	J
5.	UNKNOWN ALIP. ACID	23.28	170	J
6.	UNKNOWN ALIP. HYDROCARBON	24.60	550	J
7.	UNKNOWN ALIP. ACID	27.75	440	J
8.	UNKNOWN ALIP. HYDROCARBON	30.43	170	J
9.	UNKNOWN ALIP. HYDROCARBON	31.47	300	J
10.	UNKNOWN	33.42	950	BJ
11.	UNKNOWN ALIP. HYDROCARBON	35.57	1200	J
12.	UNKNOWN ALIP. HYDROCARBON	36.87	260	J
13.	UNKNOWN	37.53	3600	J
14.	UNKNOWN ALIP. HYDROCARBON	38.45	2900	J
15.	UNKNOWN	38.55	5800	J
16.	UNKNOWN	41.30	1500	J
17.	UNKNOWN ALIP. HYDROCARBON	42.52	2400	J
18.	UNKNOWN	42.77	720	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471637

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/16/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	1.5	J
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.7	U
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	4.7	U
33213-65-9	Endosulfan II	4.7	U
50-29-3	4,4'-DDD	2.3	JP
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	5.0	P
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	1.2	JP
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	95	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	63	P
11096-82-5	Aroclor-1260	42	JP

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

L. Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471638

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 37 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
74-87-3	Chloromethane	16	U	
74-83-9	Bromomethane	16	U	
75-01-4	Vinyl Chloride	16	U	
75-00-3	Chloroethane	16	U	
75-09-2	Methylene Chloride	~~4~~ 16	~~BJ~~ U	CB
67-64-1	Acetone	16	U	
75-15-0	Carbon Disulfide	16	U	
75-35-4	1,1-Dichloroethene	16	U	
75-34-3	1,1-Dichloroethane	16	U	
540-59-0	1,2-Dichloroethene (total)	16	U	
67-66-3	Chloroform	16	U	
107-06-2	1,2-Dichloroethane	16	U	
78-93-3	2-Butanone	16	U	
71-55-6	1,1,1-Trichloroethane	16	U	
56-23-5	Carbon Tetrachloride	16	U	
75-27-4	Bromodichloromethane	16	U	
78-87-5	1,2-Dichloropropane	16	U	
10061-01-5	cis-1,3-Dichloropropene	16	U	
79-01-6	Trichloroethene	16	U	
124-48-1	Dibromochloromethane	16	U	
79-00-5	1,1,2-Trichloroethane	16	U	
71-43-2	Benzene	16	U	
10061-02-6	trans-1,3-Dichloropropene	16	U	
75-25-2	Bromoform	16	U	
108-10-1	4-Methyl-2-Pentanone	16	UJ	CB
591-78-6	2-Hexanone	16	UJ	CB
127-18-4	Tetrachloroethene	16	UJ	CB
79-34-5	1,1,2,2-Tetrachloroethane	16	UJ	CB
108-88-3	Toluene	16	UJ	CB
108-90-7	Chlorobenzene	16	UJ	CB
100-41-4	Ethylbenzene	16	UJ	CB
100-42-5	Styrene	16	UJ	CB
1330-20-7	Xylene (total)	16	UJ	CB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471638

Sample wt/vol: 5.0 (g/mL) G Lab File ID: B1202LC05

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: not dec. 37 Date Analyzed: 12/02/94

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

L Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471638

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 37 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	UJ
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

La Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471638

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 37 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q	
51-28-5	2,4-Dinitrophenol	1300	U	
100-02-7	4-Nitrophenol	1300	U	
132-64-9	Dibenzofuran	520	U	
121-14-2	2,4-Dinitrotoluene	520	U	
84-66-2	Diethylphthalate	520	U	
7005-72-3	4-Chlorophenyl-phenylether	520	U	
86-73-7	Fluorene	520	U	
100-10-6	4-Nitroaniline	1300	UR	B
534-52-1	4,6-Dinitro-2-methylphenol	1300	U	
86-30-6	N-Nitrosodiphenylamine (1)	520	UJ	B
101-55-3	4-Bromophenyl-phenylether	520	UJ	B
118-74-1	Hexachlorobenzene	520	UJ	B
87-86-5	Pentachlorophenol	1300	U	
85-01-8	Phenanthrene	240	J	
120-12-7	Anthracene	520	U	
86-74-8	Carbazole	520	U	
84-74-2	Di-n-Butylphthalate	790	BU	B
206-44-0	Fluoranthene	300	J	
129-00-0	Pyrene	270	J	
85-68-7	Butylbenzylphthalate	140	J	
91-94-1	3,3'-Dichlorobenzidine	520	UJ	B
56-55-3	Benzo(a)Anthracene	170	J	
218-01-9	Chrysene	210	J	
117-81-7	bis(2-Ethylhexyl)Phthalate	520	U	
117-84-0	Di-n-Octyl Phthalate	520	UJ	B
205-99-2	Benzo(b)Fluoranthene	190	J	
207-08-9	Benzo(k)Fluoranthene	120	J	
50-32-8	Benzo(a)Pyrene	150	J	
193-39-5	Indeno(1,2,3-cd)Pyrene	520	U	
53-70-3	Dibenz(a,h)Anthracene	520	U	
191-24-2	Benzo(g,h,i)Perylene	520	U	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471638

Sample wt/vol: 30.30 (g/mL) G Lab File ID: B1219E11

Level: (low/med) LOW Date Received: 12/01/94

% Moisture: 37 decanted: (Y/N) N Date Extracted: 12/05/94

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 12/20/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.65	990	BJ
2.	UNKNOWN	11.02	960	J
3.	UNKNOWN ALIP. KETONE	11.72	1000	BAJ
4. 53907-75-8	OXIRANE, 2-METHYL-2-PENTYL-	11.80	150	JN
5.	UNKNOWN	12.70	1100	J
6.	UNKNOWN ALIP. HYDROCARBON	21.15	170	J
7. 481-39-0	1,4-NAPHTHALENEDIONE, 5-HYDR	22.30	12000	JN
8.	UNKNOWN	23.37	280	J
9.	UNKNOWN ALIP. HYDROCARBON	24.60	1100	J
10.	UNKNOWN ALIP. ACID	26.08	200	J
11.	UNKNOWN ALIP. ACID	27.75	830	J
12.	UNKNOWN ALIP. HYDROCARBON	29.35	300	J
13.	UNKNOWN	30.43	260	J
14.	UNKNOWN	31.40	280	J
15.	UNKNOWN	31.47	690	J
16.	UNKNOWN ALIP. HYDROCARBON	32.47	380	J
17.	UNKNOWN	33.42	2300	BJ
18.	UNKNOWN	34.18	280	J
19.	UNKNOWN ALIP. HYDROCARBON	34.43	480	J
20.	UNKNOWN	34.88	260	J
21.	UNKNOWN ALIP. HYDROCARBON	35.57	2800	J
22.	UNKNOWN ALIP. HYDROCARBON	36.88	700	J
23.	UNKNOWN	37.55	5600	J
24.	UNKNOWN ALIP. HYDROCARBON	38.45	8000	J
25.	UNKNOWN	38.55	5900	J
26.	UNKNOWN	41.32	1800	J
27.	UNKNOWN ALIP. HYDROCARBON	42.55	16000	J
28.	UNKNOWN	42.78	860	J
29.	UNKNOWN	48.25	1700	J
30.	UNKNOWN ALIP. HYDROCARBON	48.58	2500	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0970000000

Lab Code: SPFLD Case No.: GRAY SAS No.: _____ SDG No.: 471622

Matrix: (soil/water) SOIL Lab Sample ID: D471638

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

% Moisture: 37 decanted: (Y/N) N Date Received: 12/01/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/16/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	2.7	U
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	5.2	U
72-55-9	4,4'-DDE	5.2	U
72-20-8	Endrin	5.2	U
33213-65-9	Endosulfan II	5.2	U
50-29-3	4,4'-DDD	5.2	U
1031-07-8	Endosulfan sulfate	13	P
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	7.0	P
7421-36-3	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	1.8	JP
8001-35-2	Toxaphene	210	JP
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	100	
11096-82-5	Aroclor-1260	59	P

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: -117-
Matrix (Soil): Lab Sample ID: B416823
Level (Low/Med): Date Received: 12/01/94
% Solids: -70.1-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16600			P
7440-36-0	Antimony	6.8	U	N	P J
7440-38-2	Arsenic	6.2			FM
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.84	B		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	25100			P
7440-47-3	Chromium	22.1			P
7440-48-4	Cobalt	9.1	B		P
7440-50-8	Copper	26.8			P
7439-89-6	Iron	23100			P
7439-92-1	Lead	26.9			FM
7439-95-4	Magnesium	14500			P
7439-96-5	Manganese	556			P
7439-97-6	Mercury	0.04	U		AV
7440-02-2	Nickel	24.0			P
7440-09-7	Potassium	2060			P
7782-49-2	Selenium	0.28	U	W,N	FM J
7440-22-4	Silver	1.8	U ~~B~~		P
7440-23-5	Sodium	102	B		P
7440-28-0	Thallium	0.37	B	W	FM J
7440-62-2	Vanadium	33.9			P
7440-66-6	Zinc	84.0			P
	Cyanide	0.71	U		CA ~~AS~~
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: YELLOW/BROWN Clarity After: CLEAR Artifacts:
Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

L. Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE

Lab Code: Case No.: SAS No.: SDG No.: -117-

Matrix (Soil): Lab Sample ID: B416824

Level (Low/Med): Date Received: 12/01/94

% Solids: -71.0-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14000			P	
7440-36-0	Antimony	14.0	U ~~B~~ JC	N	P	J
7440-38-2	Arsenic	6.9			FM	
7440-39-3	Barium	89.1			P	
7440-41-7	Beryllium	0.75	B		P	
7440-43-9	Cadmium	1.0	U		P	
7440-70-2	Calcium	42300			P	
7440-47-3	Chromium	19.2			P	
7440-48-4	Cobalt	7.2	B		P	
7440-50-8	Copper	24.3			P	
7439-89-6	Iron	22900			P	
7439-92-1	Lead	22.2			FM	
7439-95-4	Magnesium	22900			P	
7439-96-5	Manganese	698			P	
7439-97-6	Mercury	0.04	U		AV	
7440-02-2	Nickel	22.6			P	
7440-09-7	Potassium	1680			P	
7782-49-2	Selenium	1.4	U	E,N	FM	J
7440-22-4	Silver	1.0	U		P	
7440-23-5	Sodium	102	B		P	
7440-28-0	Thallium	1.4	U		FM	
7440-62-2	Vanadium	29.4			P	
7440-66-6	Zinc	78.7			P	
	Cyanide	0.70	U		CA JC ~~AS~~	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416825
Level (Low/Med): Date Received: 12/01/94
% Solids: 88.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5650			P
7440-36-0	Antimony	5.4	U ~~B~~ JC	N	P J
7440-38-2	Arsenic	9.2			FM
7440-39-3	Barium	20.6	B		P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.83	U		P
7440-70-2	Calcium	85700			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	24.8			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	13.4			FM
7439-95-4	Magnesium	48500			P
7439-96-5	Manganese	704			P
7439-97-6	Mercury	0.03 ~~0.04~~ JC	U		AV
7440-02-2	Nickel	22.1			P
7440-09-7	Potassium	1940			P
7782-49-2	Selenium	1.2	U	E,N	FM J
7440-22-4	Silver	0.83	U		P
7440-23-5	Sodium	146	B		P
7440-28-0	Thallium	1.2	U		FM
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	68.2			P
	Cyanide	0.56	U		~~AS~~ CN JC
					AS

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

L. Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: -117-
Matrix (Soil): Lab Sample ID: -B416826-
Level (Low/Med): Date Received: 12/01/94
% Solids: -86.7-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	7.5	U ~~B~~ JC	N	P J
7440-38-2	Arsenic	3.8	B		FM
7440-39-3	Barium	40.3	B		P
7440-41-7	Beryllium	0.62	B		P
7440-43-9	Cadmium	0.81	U		P
7440-70-2	Calcium	83000			P
7440-47-3	Chromium	18.1			P
7440-48-4	Cobalt	9.5	B		P
7440-50-8	Copper	22.0			P
7439-89-6	Iron	19700			P
7439-92-1	Lead	14.3			FM
7439-95-4	Magnesium	46000			P
7439-96-5	Manganese	517			P
7439-97-6	Mercury	0.03 ~~0.04~~ JC	U		AV
7440-02-2	Nickel	25.5			P
7440-09-7	Potassium	3450			P
7782-49-2	Selenium	1.2	U	E,N	FM J
7440-22-4	Silver	0.81	U		P
7440-23-5	Sodium	185	B		P
7440-28-0	Thallium	1.2	U		FM
7440-62-2	Vanadium	23.8			P
7440-66-6	Zinc	52.8			P
	Cyanide	0.58	U		CA JC ~~AS~~
					AS

Color Before: BROWN Clarity Before: OPAQUE Texture: MEDIUM
Color After: COLORLESS Clarity After: CLEAR Artifacts:
Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

1 Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: -117-
Matrix (Soil): Lab Sample ID: -B416827-
Level (Low/Med): Date Received: 12/01/94
% Solids: -71.6-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15300			P
7440-36-0	Antimony	5.2	UB JC	N	P J
7440-38-2	Arsenic	8.8			FM
7440-39-3	Barium	81.9			P
7440-41-7	Beryllium	0.80	B		P
7440-43-9	Cadmium	0.82	U		P
7440-70-2	Calcium	25300			P
7440-47-3	Chromium	22.1			P
7440-48-4	Cobalt	9.2	B		P
7440-50-8	Copper	27.0			P
7439-89-6	Iron	25900			P
7439-92-1	Lead	33.7			FM
7439-95-4	Magnesium	15100			P
7439-96-5	Manganese	657			P
7439-97-6	Mercury	0.03 ~~0.04~~ JC	U		AV
7440-02-2	Nickel	24.5			P
7440-09-7	Potassium	2460			P
7782-49-2	Selenium	1.3	U	E,N	FM J
7440-22-4	Silver	0.82	U		P
7440-23-5	Sodium	95.3	B		P
7440-28-0	Thallium	1.3	U		FM
7440-62-2	Vanadium	35.4			P
7440-66-6	Zinc	272			P
	Cyanide	0.70	U		CA JC ~~AS~~
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: YELLOW Clarity After: CLEAR Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE

Lab Code: Case No.: SAS No.: SDG No.: -117-

Matrix (Soil): Lab Sample ID: B416828

Level (Low/Med): Date Received: 12/01/94

% Solids: -84.6-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	4.0	U	N	P J
7440-38-2	Arsenic	8.0			FM
7440-39-3	Barium	36.7			P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	0.66	U		P
7440-70-2	Calcium	82100			P
7440-47-3	Chromium	17.0			P
7440-48-4	Cobalt	10.6			P
7440-50-8	Copper	22.3			P
7439-89-6	Iron	21900			P
7439-92-1	Lead	13.8			FM
7439-95-4	Magnesium	45500			P
7439-96-5	Manganese	553			P
7439-97-6	Mercury	0.03 ~~0.04~~ JC	U		AV
7440-02-2	Nickel	25.6			P
7440-09-7	Potassium	2750			P
7782-49-2	Selenium	1.1	U	E,N	FM J
7440-22-4	Silver	0.66	U		P
7440-23-5	Sodium	179	B		P
7440-28-0	Thallium	1.1	U		FM
7440-62-2	Vanadium	23.4			P
7440-66-6	Zinc	50.2			P JC
	Cyanide	0.59			CA ~~AS~~
					AS

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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B000008

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE

Lab Code: Case No.: SAS No.: SDG No.: 117

Matrix (Soil): Lab Sample ID: B416829

Level (Low/Med): Date Received: 12/01/94

% Solids: 67.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15300			P
7440-36-0	Antimony	6.2	U ~~B~~ JC	N	P J
7440-38-2	Arsenic	7.8			FM
7440-39-3	Barium	103			P
7440-41-7	Beryllium	0.86	B		P
7440-43-9	Cadmium	0.97	U		P
7440-70-2	Calcium	18800			P
7440-47-3	Chromium	21.2			P
7440-48-4	Cobalt	8.7	B		P
7440-50-8	Copper	28.4			P
7439-89-6	Iron	23000			P
7439-92-1	Lead	31.7			FM
7439-95-4	Magnesium	9550			P
7439-96-5	Manganese	385			P
7439-97-6	Mercury	0.05	B		AV
7440-02-2	Nickel	25.6			P
7440-09-7	Potassium	1650			P
7782-49-2	Selenium	1.5	U	E,N	FM J
7440-22-4	Silver	0.98	U ~~B~~ JC		P
7440-23-5	Sodium	87.7	B		P
7440-28-0	Thallium	0.30	U	W	FM J
7440-62-2	Vanadium	34.6			P
7440-66-6	Zinc	159			P ~~JC~~
	Cyanide	0.74	U		CA ~~AS~~
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts:

Comments:

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B000009

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416830
Level (Low/Med): Date Received: 12/01/94
% Solids: 76.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16100			P
7440-36-0	Antimony	6.4	~~U~~ J	N	P J
7440-38-2	Arsenic	5.8			FM
7440-39-3	Barium	81.6			P
7440-41-7	Beryllium	0.80	B		P
7440-43-9	Cadmium	0.88	U		P
7440-70-2	Calcium	28400			P
7440-47-3	Chromium	23.2			P
7440-48-4	Cobalt	9.8	B		P
7440-50-8	Copper	26.8			P
7439-89-6	Iron	22300			P
7439-92-1	Lead	23.8			FM
7439-95-4	Magnesium	16900			P
7439-96-5	Manganese	548			P
7439-97-6	Mercury	0.03 ~~0.04~~ J	U		AV
7440-02-2	Nickel	25.2			P
7440-09-7	Potassium	2890			P
7782-49-2	Selenium	1.3	U	E,N	FM J
7440-22-4	Silver	0.88	U		P
7440-23-5	Sodium	122	B		P
7440-28-0	Thallium	3.1	B		FM
7440-62-2	Vanadium	34.9			P
7440-66-6	Zinc	72.6			P
	Cyanide	0.65	U		~~AS~~ CA
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Yellow Clarity After: Clear Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE

Lab Code: Case No.: SAS No.: SDG No.: -117-

Matrix (Soil): Lab Sample ID: -B416831-

Level (Low/Med): Date Received: 12/01/94

% Solids: -76.6-

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9660			P	
7440-36-0	Antimony	5.5	U	N	P	J
7440-38-2	Arsenic	7.9			FM	
7440-39-3	Barium	49.3			P	
7440-41-7	Beryllium	0.57	B		P	
7440-43-9	Cadmium	0.92	U		P	
7440-70-2	Calcium	55800			P	
7440-47-3	Chromium	17.1			P	
7440-48-4	Cobalt	10.5	B		P	
7440-50-8	Copper	33.0			P	
7439-89-6	Iron	21500			P	
7439-92-1	Lead	28.3			FM	
7439-95-4	Magnesium	31100			P	
7439-96-5	Manganese	517			P	
7439-97-6	Mercury	0.03	B		AV	
7440-02-2	Nickel	25.8			P	
7440-09-7	Potassium	2110			P	
7782-49-2	Selenium	1.3	U	E,N	FM	J
7440-22-4	Silver	0.92	U		P	
7440-23-5	Sodium	141	B		P	
7440-28-0	Thallium	0.25	U	W	FM	J
7440-62-2	Vanadium	25.5			P	
7440-66-6	Zinc	91.0			P	
	Cyanide	0.78	U		AS	
					AS	

Color Before: -Black- Clarity Before: -Opaque- Texture: Medium

Color After: -Colorless- Clarity After: -Clear- Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416832
Level (Low/Med): Date Received: 12/01/94
% Solids: 87.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4630			P
7440-36-0	Antimony	4.3	U	N	P J
7440-38-2	Arsenic	5.7			FM
7440-39-3	Barium	32.1	B		P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.71	U		P
7440-70-2	Calcium	74600			P
7440-47-3	Chromium	10.2			P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	31.6			P
7439-89-6	Iron	13400			P
7439-92-1	Lead	57.1			FM
7439-95-4	Magnesium	41300			P
7439-96-5	Manganese	340			P
7439-97-6	Mercury	0.03 ~~0.04~~ SC	U		AV
7440-02-2	Nickel	14.1			P
7440-09-7	Potassium	811	B		P
7782-49-2	Selenium	1.1	U	W,N	FM J
7440-22-4	Silver	0.71	U		P
7440-23-5	Sodium	226	B		P
7440-28-0	Thallium	1.1	U		FM
7440-62-2	Vanadium	20.6			P
7440-66-6	Zinc	124			P
	Cyanide	0.69	~~U~~ SC		CA ~~AS~~
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Yellow Clarity After: Clear Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE

Lab Code: Case No.: SAS No.: SDG No.: 117

Matrix (Soil): Lab Sample ID: B416833

Level (Low/Med): Date Received: 12/01/94

% Solids: 40.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4310			P
7440-36-0	Antimony	8.6	U	N	P J
7440-38-2	Arsenic	3.2	B		FM
7440-39-3	Barium	32.4	B		P
7440-41-7	Beryllium	0.36	U		P
7440-43-9	Cadmium	1.8	B		P
7440-70-2	Calcium	16000			P
7440-47-3	Chromium	21.7			P
7440-48-4	Cobalt	2.5	U		P
7440-50-8	Copper	69.20			P
7439-89-6	Iron	9170			P
7439-92-1	Lead	31.8			FM
7439-95-4	Magnesium	3140			P
7439-96-5	Manganese	113			P
7439-97-6	Mercury	0.14	B JC		AV
7440-02-2	Nickel	21.4			P
7440-09-7	Potassium	1020	B		P
7782-49-2	Selenium	2.5	U	W,N	FM J
7440-22-4	Silver	1.4	U		P
7440-23-5	Sodium	316	B		P
7440-28-0	Thallium	0.50	U		FM
7440-62-2	Vanadium	45.6			P
7440-66-6	Zinc	174			P JC
	Cyanide	1.2	U		CA ~~AS~~
					AS

Color Before: Brown Clarity Before: Opaque Texture: Course

Color After: Colorless Clarity After: Clear Artifacts:

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416834
Level (Low/Med): Date Received: 12/01/94
% Solids: 82.4

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14600			P
7440-36-0	Antimony	4.9	U	N	P J
7440-38-2	Arsenic	6.2			FM
7440-39-3	Barium	78.7			P
7440-41-7	Beryllium	0.74	B		P
7440-43-9	Cadmium	0.82	U		P
7440-70-2	Calcium	44000			P
7440-47-3	Chromium	20.9			P
7440-48-4	Cobalt	9.2	B		P
7440-50-8	Copper	21.9			P
7439-89-6	Iron	21200			P
7439-92-1	Lead	20.1			FM
7439-95-4	Magnesium	25300			P
7439-96-5	Manganese	573			P
7439-97-6	Mercury	0.03 ~~0.04~~	U		AV
7440-02-2	Nickel	24.6			P
7440-09-7	Potassium	1660			P
7782-49-2	Selenium	1.2	U	E,N	FM J
7440-22-4	Silver	0.82	U		P
7440-23-5	Sodium	105	B		P
7440-28-0	Thallium	1.2	U		FM
7440-62-2	Vanadium	32.1			P
7440-66-6	Zinc	54.1			P
	Cyanide	0.61	U		~~AS~~ CA
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Yellow Clarity After: Clear Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416835
Level (Low/Med): Date Received: 12/01/94
% Solids: 73.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	7.5	U ~~B~~ JC	N	P J
7440-38-2	Arsenic	5.6			FM
7440-39-3	Barium	88.6			P
7440-41-7	Beryllium	0.53	B		P
7440-43-9	Cadmium	0.88	U		P
7440-70-2	Calcium	2920			P
7440-47-3	Chromium	14.4			P
7440-48-4	Cobalt	10.1	B		P
7440-50-8	Copper	13.8			P
7439-89-6	Iron	14900			P
7439-92-1	Lead	36.1			FM
7439-95-4	Magnesium	2270			P
7439-96-5	Manganese	1040			P
7439-97-6	Mercury	0.03 ~~0.04~~ JC	U		AV
7440-02-2	Nickel	13.7			P
7440-09-7	Potassium	1710			P
7782-49-2	Selenium	1.4	U	E,N	FM J
7440-22-4	Silver	0.88	U		P
7440-23-5	Sodium	50.0	U		P
7440-28-0	Thallium	0.28	U	W	FM J
7440-62-2	Vanadium	26.9			P
7440-66-6	Zinc	59.9			P
	Cyanide	0.75	~~U~~ JC		~~AS~~ CA JC
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Yellow Clarity After: Clear Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE

Lab Code: Case No.: SAS No.: SDG No.: 117

Matrix (Soil): Lab Sample ID: B416836

Level (Low/Med): Date Received: 12/01/94

% Solids: 74.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300			P
7440-36-0	Antimony	8.5	U ~~B~~ JC	N	P J
7440-38-2	Arsenic	8.3			FM
7440-39-3	Barium	50.9			P
7440-41-7	Beryllium	0.66	B		P
7440-43-9	Cadmium	0.95	U		P
7440-70-2	Calcium	63400			P
7440-47-3	Chromium	20.0			P
7440-48-4	Cobalt	9.6	B ~~U~~ JC		P
7440-50-8	Copper	38.6			P
7439-89-6	Iron	22200			P
7439-92-1	Lead	52.9			FM
7439-95-4	Magnesium	35000			P
7439-96-5	Manganese	504			P
7439-97-6	Mercury	0.21			AV
7440-02-2	Nickel	27.3			P
7440-09-7	Potassium	2810			P
7782-49-2	Selenium	1.3	U	E,N	FM J
7440-22-4	Silver	0.95	U		P
7440-23-5	Sodium	147	B		P
7440-28-0	Thallium	0.26	U	W	FM J
7440-62-2	Vanadium	26.1			P
7440-66-6	Zinc	136			P ~~JC~~
	Cyanide	1.3			CA ~~AS~~
					AS

Color Before: Gray Clarity Before: Opaque Texture: Medium

Color After: Yellow Clarity After: Clear Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416837
Level (Low/Med): Date Received: 12/01/94
% Solids: 73.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	5.4	U	N	P J
7440-38-2	Arsenic	8.3			FM
7440-39-3	Barium	48.0			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.90	U		P
7440-70-2	Calcium	61400			P
7440-47-3	Chromium	18.3			P
7440-48-4	Cobalt	8.9	B		P
7440-50-8	Copper	38.9			P
7439-89-6	Iron	21700			P
7439-92-1	Lead	51.3			FM
7439-95-4	Magnesium	34300			P
7439-96-5	Manganese	493			P
7439-97-6	Mercury	0.21			AV
7440-02-2	Nickel	26.1			P
7440-09-7	Potassium	2360			P
7782-49-2	Selenium	1.3	U	E,N	FM J
7440-22-4	Silver	0.90	U		P
7440-23-5	Sodium	134	B		P
7440-28-0	Thallium	1.3	U		FM
7440-62-2	Vanadium	23.1			P
7440-66-6	Zinc	135			P
	Cyanide	0.81			~~AS~~ CN
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Colorless Clarity After: Clear Artifacts:
Comments:

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EPA SAMPLE NO.

X203

L Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416838
Level (Low/Med): Date Received: 12/01/94
% Solids: 62.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9540			P
7440-36-0	Antimony	7.6	UB JC	N	P J
7440-38-2	Arsenic	7.0			FM
7440-39-3	Barium	62.8			P
7440-41-7	Beryllium	0.67	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	39500			P
7440-47-3	Chromium	14.7			P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	43.9			P
7439-89-6	Iron	20700			P
7439-92-1	Lead	132.7			FM
7439-95-4	Magnesium	21900			P
7439-96-5	Manganese	290			P
7439-97-6	Mercury	0.04	U		AV
7440-02-2	Nickel	17.3			P
7440-09-7	Potassium	1310	B		P
7782-49-2	Selenium	1.6	U	E,N	FM J
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	159	B		P
7440-28-0	Thallium	0.31	U	W	FM J
7440-62-2	Vanadium	23.6			P
7440-66-6	Zinc	135			P JC
	Cyanide	1.3			CA ~~AS~~
					AS

Color Before: Black Clarity Before: Opaque Texture: Medium
Color After: Brown Clarity After: Clear Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

L. Name: ILLINOIS EPA CHAMPAIGN LAB Contract: GRAY'S LAKE
Lab Code: Case No.: SAS No.: SDG No.: 117
Matrix (Soil): Lab Sample ID: B416839
Level (Low/Med): Date Received: 12/01/94
% Solids: 62.5

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14800			P
7440-36-0	Antimony	6.2	U	N	P J
7440-38-2	Arsenic	8.7			FM
7440-39-3	Barium	177			P
7440-41-7	Beryllium	0.98	B		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	12400			P
7440-47-3	Chromium	22.0			P
7440-48-4	Cobalt	8.9	B		P
7440-50-8	Copper	55.7			P
7439-89-6	Iron	23500			P
7439-92-1	Lead	98.8			FM
7439-95-4	Magnesium	5480			P
7439-96-5	Manganese	480			P
7439-97-6	Mercury	0.05	B		AV
7440-02-2	Nickel	25.4			P
7440-09-7	Potassium	3030			P
7782-49-2	Selenium	1.6	U	E,N	FM J
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	122	B		P
7440-28-0	Thallium	0.32	U	W	FM J
7440-62-2	Vanadium	33.5			P
7440-66-6	Zinc	194			P
	Cyanide	1.2			CA ~~AS~~
					AS

Color Before: BLACK Clarity Before: OPAQUE Texture: FINE
Color After: BROWN Clarity After: CLEAR Artifacts:
Comments:

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