EPA Region 5 Records Ctr.
291980

L1970455016-Will Co.
Insta-Foam Products
ILD# 043912922
SF/HRS
Volume 2 of 2

CERCLA
Screening Site Inspection Analytical Results

Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

DATE 9/12/96
RIN # 2324
INITIALS C. P.

Confidential Material May be Enclosed

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ILD 043912922

Table 4-1
Sample Summary
(UG/KG)

SAMPLING POINT	(background) X101	X102	X103	X104	X105	X106
	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92
PARAMETER						
VOLATILES						
Methylene Chloride	--	--	--	--	360.00 J	--
Acetone	--	--	--	290.00	--	51.00
2-Butanone (MEK)	--	1900.00	--	140.00 J	1800.00	13.00
Chloroform	3.00 J	--	--	--	--	--
1,1-Dichloroethane	--	--	--	--	--	--
Benzene	--	710.00	--	84.00	--	--
Toluene	5.00 J	4900.00	340.00	370.00	620.00 J	--
Ethylbenzene	--	7800.00	390.00	280.00	650.00 J	--
Xylene(total)	8.00 J	46000.00	2800.00	1400.00	4000.00	--
SEMIVOLATILES						
Phenol	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--
2,4-Dinitrophenol	--	--	--	--	--	--
2,2'-oxybis (1-Chloropropane)	--	--	--	--	--	--
N-nitroso-di-n-Propylamine	--	--	--	--	--	--
Naphthalene	--	79000.00	17000.00	11000.00	13000.00	--
4-Chloroaniline	--	--	--	--	--	--
2-Methylnaphthalene	--	--	49000.00	40000.00	48000.00	--
3-Nitroaniline	--	--	--	--	--	--
4-Nitroaniline	--	--	--	--	--	--
Acenaphthylene	--	--	--	--	--	--
Acenaphthene	--	--	--	--	9400.00 J	--
Dibenzofuran	--	--	--	--	--	--
Fluorene	--	31000.00	11000.00	14000.00	15000.00	--
Pentachlorophenol	--	--	--	--	--	--
Phenanthrene	--	120000.00	34000.00	79000.00 B	90000.00	--
Anthracene	--	24000.00	19000.00	17000.00 B	18000.00	--
Carbazole	--	--	--	10000.00	12000.00	--
Fluoranthene	--	--	--	56000.00 B	64000.00 B	--
Pyrene	--	26000.00	12000.00	50000.00 B	61000.00	--
Benzo(a)anthracene	--	26000.00	--	26000.00 B	30000.00	--
Chrysene	--	33000.00	11000.00	26000.00 B	30000.00	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--
Di-n-Octyl Phthalate	--	--	--	--	--	
Benzo(b)fluoranthene	--	13000.00 J	--	14000.00	25000.00 J	--
Benzo(k)fluoranthene	--	--	--	6000.00	--	--
Benzo(a)pyrene	--	--	--	13000.00	16000.00	--
Indeno(1,2,3-cd)pyrene	--	--	--	8200.00	9400.00 J	--
Dibenz(a,h)anthracene	--	--	--	--	3200.00 J	--
Benzo(g,h,i)perylene	--	5500.00 J	--	9700.00	12000.00 J	--

SAMPLING POINT	(background) X101 6-16-92	X102 6-16-92	X103 6-16-92	X104 6-16-92	X105 6-16-92	X106 6-16-92
PESTICIDES	(background)					
Aldrin	--	34.00 JP	--	--	--	33.00
Heptachlor	--	--	--	--	--	--
Gamma-BHC (Lindane)	--	--	--	--	--	--
Heptachlor epoxide	--	180.00 P	--	--	--	19.00
Endosulfan	--	290.00	--	--	100.00	--
Dieldrin	--	290.00	--	140.00	--	120.00
4,4'-DDE	--	160.00	44.00 JP	78.00 JP	--	--
Endrin	--	150.00 P	--	37.00 JP	--	--
Endrin ketone	--	--	--	--	--	--
4,4'-DDD	--	300.00 P	--	--	--	37.00
4,4'-DDT	--	53.00 JP	--	--	--	--
Alpha-Chlordane	--	--	--	--	--	18.00
Gamma Chlordane	--	--	--	--	--	--
Aroclor-1016	--	2200.00	550.00 JP	1000.00	480.00	210.00
Aroclor-1221	--	6200.00	--	--	--	--
Aroclor-1242	--	3500.00	2100.00	--	1900.00	--
Aroclor-1248	--	--	--	1600.00	--	--
Aroclor-1254	--	4800.00	--	--	--	--
Aroclor-1260	--	--	--	330.00	--	--
TENTATIVELY IDENTIFIED COMPOUNDS						
2-Bromoheptane	--	--	--	780.00 JN	--	--
Alpha-benzeneacetic acid	--	--	--	--	--	--
Dichlorofluoromethane	--	--	--	--	--	--
2,6-Dimethyl-6-nitro-2-Hepte	--	--	--	--	--	--
1-Propene, 1,2,3-Trichloro	--	--	--	--	--	--
Benzene, 1,1'-Sulfonylbis	--	--	--	--	--	--
Cyclohexane, 3-Chloro-	--	--	--	--	--	--
Bi-2-Cyclohexen-1-YL	--	--	--	--	--	--
2-Cyclohexen-1-OL	--	--	--	--	--	--
				--		

SAMPLING POINT	X101	X102	X103	X104	X105	X106
	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92
PARAMETER						
INORGANICS (mg/kg)						
Aluminum	28500.00	22200.00	10800.00	13700.00	14400.00	10400.00
Antimony	--	45.70	--	--	--	--
Arsenic	10.00	26.90	5.60	72.10	9.00	3.40
Barium	194.00	240.00	58.60	104.00	100.00	40.40
Beryllium	1.10	1.10	--	0.72	--	0.75
Cadmium	--	15.10	0.88	1.40	1.90	--
Calcium	14900.00	43400.00	123000.00	85600.00	103000.00	144000.00
Chromium	34.60	1130.00	107.00	196.00	215.00	15.10
Copper	21.40	206.00	43.90	42.10	36.70	10.2
Iron	26800.00	21900.00	15000.00	15700.00	14400.00	10800.00
Lead	29.98	1790.00	193.00	573.00	514.00	34.40
Magnesium	10400.00	20900.00	74900.00	47800.00	60200.00	89000.00
Manganese	802.00	308.00	317.00	246.00	257.00	236.00
Mercury	--	2.06	0.41	0.25	0.44	--
Nickel	21.70	83.60	--	33.60	31.90	12.20
Potassium	5040.00	3020.00	3050.00	2340.00	2930.00	4640.00
Selenium	--	3.58	--	--	--	--
Silver	--	--	--	--	--	--
Sodium	--	--	2850.00	7140.00	5950.00	--
Thallium	0.54	--	--	--	--	--
Vanadium	58.90	35.20	20.80	31.30	36.40	19.00
Zinc	86.30	2340.00	156.00	369.00	376.00	81.90
Cyanide	--	4.50	--	--	2.50	--
Sulfide						

ILD 043912922

SAMPLING POINT	G101	G102	G103	G104	G105	G106	G107	G108	G109	G110	G501
	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	26-16-92	26-16-92	6-16-92	6-16-92
PARAMETER											
VOLATILES											
Methylene Chloride	--	--	--	--	--	--	--	--	--	--	--
Acetone	--	19.00	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	--	13.00	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	--	--	--	2.00 J	--	--	--	--	--	--	--
Benzene	--	14.00	--	--	--	3.0J	3.00 J	--	--	--	--
Toluene	--	19.00	--	--	--	--	3.00 J	--	--	--	--
Ethylbenzene	--	--	--	--	--	4.0J	--	--	--	--	--
Xylene(total)	--	43.00	--	--	--	3.0J	4.00 J	--	--	--	--
SEMIVOLATILES											
Phenol	14.00 J	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	--	--	--	--	--	--	--	--	--	--	25.00 J
2,4-Dinitrophenol	--	--	--	--	25.00 UJ	25.0J	--	--	25.00 UJ	25.00 UJ	25.00 UJ
2,2'-oxybis (1-Chloropropane)	--	--	--	--	--	--	--	--	--	--	10.00 UJ
N-nitroso-di-n-Propylamine	--	--	--	--	--	--	--	--	--	--	10.00 UJ
Naphthalene	--	1600.00	--	--	--	--	--	--	--	--	--
4-Chloroaniline	--	--	100.00 UJ	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	1000.00	--	--	--	--	--	--	--	--	--
3-Nitroaniline	--	--	--	--	--	--	--	--	--	--	25.00 UJ
4-Nitroaniline	--	--	--	--	--	--	--	--	--	--	25.00 UJ
Acenaphthylene	11.00 J	220.00 J	--	--	--	--	--	--	--	--	--
Acenaphthene	--	4500.00	--	--	--	--	--	--	--	--	--
Dibenzofuran	--	2800.00	--	--	--	--	--	--	--	--	--
Fluorene	11.00 J	6100.00	--	--	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	--	--	--	--	--	25.00 UJ
Phenanthrene	47.00 J	37000.00 B	37.00 J	--	--	--	--	--	--	--	--
Anthracene	11.00 J	11000.00 B	--	--	--	--	--	--	--	--	--
Carbazole	11.00 J	--	--	--	--	--	--	--	--	--	--
Fluoranthene	40.00 J	43000.00 B	-- B	--	--	--	--	--	--	--	--
Pyrene	33.00 J	37000.00 B	24.00 J	--	--	--	--	--	--	--	--
Benzo(a)anthracene	14.00 J	35000.00 B	--	--	--	--	--	--	--	--	--
Chrysene	16.00 J	32000.00 B	24.00 J	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	1200.00	--	--	--	--	22.00 J	22.00 U	--	--	--
Di-n-Octyl Phthalate	--	--	--	--	--	--	--	--	--	--	10.00 UJ
Benzo(b)fluoranthene	--	30000.00 B	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	19000.00	--	--	10.00 UJ	10.0J	--	--	10.00 UJ	10.00 UJ	10.00 UJ
Benzo(a)pyrene	--	31000.00	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	23000.00	--	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	5600.00	--	--	10.00 UJ	10.0J	--	--	10.00 UJ	10.00 UJ	--
Benzo(g,h,i)perylene	--	--	--	--	10.00 UJ	10.0J	--	--	10.00 UJ	10.00 UJ	--

PESTICIDES	G101 6-16-92	G102 6-16-92	G103 6-16-92	G104 6-16-92	G105 6-16-92	G106 6-16-92	G107 6-16-92	G108 26-16-92	G109 6-16-92	G110 6-16-92	G501 6-16-92
Aldrin	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	7.50 P	--	--	--	--	--	--	--	--	--	--
Gamma-BHC (Lindane)	--	1.10	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	--	--	--	--	--	--	--	--	--	--	--
Endosulfan	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	11.00 P	--	--	--	--	--	--	--	--	--	--
Endrin	1.40 P	--	--	--	--	--	--	--	--	--	--
Endrin ketone	0.62 JP	--	--	--	--	--	--	--	--	--	--
4,4'-DDD	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	--	--	--	--	--	--	--	--	--	--	--
Alpha-Chlordane	--	--	--	--	--	--	--	--	--	--	--
Gamma Chlordane	0.18 JP	--	--	--	--	--	--	--	--	--	--
Aroclor-1016	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1221	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1242	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1248	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1254	--	--	--	--	--	--	--	--	--	--	--
Aroclor-1260	--	--	--	--	--	--	--	--	--	--	--

TENTATIVELY IDENTIFIED COMPOUNDS

2-Bromoheptane	--	--	--	--	--	--	--	--	--	--	--
Alpha-benzeneacetic acid	--	70.00 JN	--	--	--	--	--	--	--	--	--
Dichlorofluoromethane	--	--	29.00 JN	--	--	--	--	--	--	--	--
2,6-Dimethyl-6-nitro-2-Hepte	--	--	--	--	13.00 JN	--	70.00 J	67.00 U	--	--	--
1-Propene, 1,2,3-Trichloro	--	--	--	--	--	--	8.00 J	8.00 U	--	--	--
Benzene, 1,1'-Sulfonylbis	--	--	--	--	--	45.0JN	49.00	42.00 J	--	--	--
Cyclohexene, 5-Chloro-	--	--	--	--	--	--	6.00 U	5.00 U	--	--	--
Bi-2-Cyclohexen-1-YL	--	--	--	--	--	--	4.00 JN	4.00 U	--	--	--
2-Cyclohexen-1-OL	--	--	--	--	--	--	--	12.00 U	--	--	--

SAMPLING POINT	G101	G102	G103	G104	G105	G106	G107	G108	G109	G110	G501
	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92	6-16-92
PARAMETER											
INORGANICS (mg/kg)											
Aluminum	--	4490.00	7910.00	14200.00	523.00	--	503.00	17700.00	8820.00	2540.00	--
Antimony	--	--	--	--	--	--	--	--	--	--	--
Arsenic	--	14.30	--	16.80	--		--	--	1.20	--	--
Barium	--	--	526.00	297.00	119.00		--	--	95.80	127.00	54.50
Beryllium	--	--	--	--	--		--	--	--	--	--
Cadmium	--	--	--	--	--		--	--	--	--	--
Calcium	559000.00	86300.00	451000.00	380000.00	502000.00		153000.00	**********	344000.00	627000.00	108000.00
Chromium	--	485.00	147.00	131.00	--		--	--	--	--	--
Copper	--	--	52.30	--	--		--	--	--	--	--
Iron	4100.00	13400.00	59800.00	37200.00	5830.00		1070.00	26500.00	14600.00	6990.00	--
Lead	--	336.00	245.00	332.00	5.70		--	32.70	23.50	4.30	--
Magnesium	64100.00	89000.00	136000.00	155000.00	247000.00		73300.00	**********	193000.00	310000.00	51500.00
Manganese	885.00	253.00	1210.00	984.00	1510.00		344.00	969.00	553.00	1750.00	22.00
Mercury	--	0.28	0.49	2.38	--		--	0.30	--	--	--
Nickel	--	93.90	57.90	71.30	--		--	--	--	--	--
Potassium	11300.00	11900.00	21500.00	11500.00	5260.00		5410.00	14500.00	7910.00	6360.00	5790.00
Selenium	--	--	3.20	--	--		--	--	--	--	--
Silver	--	--	0.90	--	--		--	--	--	--	--
Sodium	95200.00	**********	204000.00	42700.00	27000.00		37800.00	45700.00	35200.00	27800.00	31200.00
Thallium	--	--	--	--	--		--	--	--	--	--
Vanadium	--	--	--	--	--		--	--	--	--	--
Zinc	--	188.00	652.00	588.00	212.00		35.80	75.60	48.30	213.00	27.60
Cyanide	--	41.00	--	--	--		--	20.00	--	--	--
Sulfide	--	12000.00	20000.00	20000.00	4000.00		--	1000.00	--	4000.00	--
Sulfate	**********	52000.00	350000.00	141000.00	200000.00		115000.00	**********	119000.00	196000.00	134000.00

U.S.E.P.A. DEFINED DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
• J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
• C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
• B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
• D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and <u>all</u> concentration values are flagged with the "D" flag.	not used

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference
• A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
• M	not used	Duplicate injection (a QC parameter) not met.
• N	not used	Spiked sample (a QC parameter) recovery not within control limits.
• S	not used	The reported value was determined by the Method of Standard Additions (MSA).
• W	not used	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
• *	not used	Duplicate analysis (a QC parameter) not within control limits.
• +	not used	Correlation coefficient for MSA (a QC parameter) is less than 0.995.

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
P	not used	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	not used	Method qualifier indicates analysis by Cold Vapor AA.
AV	not used	Method qualifier indicates analysis by Automated Cold Vapor AA
AS	not used	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
T	not used	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218756

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0624BK04

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. 12 Date Analyzed: 06/24/92

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	UJ
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	UJ
75-00-3	Chloroethane	11	UJ
75-09-2	Methylene Chloride	15	~~B~~ U
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	3	J
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	UJ
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
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	5	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	8	J

ank

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218756

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0624BK04

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. 12 Date Analyzed: 06/24/92

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: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218756

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0708K10

Level: (low/med) MED Date Received: 06/17/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

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	11000	U
111-44-4	bis(2-Chloroethyl)Ether	11000	U
95-57-8	2-Chlorophenol	11000	U
541-73-1	1,3-Dichlorobenzene	11000	U
106-46-7	1,4-Dichlorobenzene	11000	U
95-50-1	1,2-Dichlorobenzene	11000	U
95-48-7	2-Methylphenol	11000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	N-Nitroso-Di-n-Propylamine	11000	U
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U
105-67-9	2,4-Dimethylphenol	11000	U
111-91-1	bis(2-Chloroethoxy)Methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	U
120-82-1	1,2,4-Trichlorobenzene	11000	U
91-20-3	Naphthalene	11000	U
106-47-8	4-Chloroaniline	11000	UJ
87-68-3	Hexachlorobutadiene	11000	U
59-50-7	4-Chloro-3-Methylphenol	11000	U
91-57-6	2-Methylnaphthalene	11000	U
77-47-4	Hexachlorocyclopentadiene	11000	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	28000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	28000	U
131-11-3	Dimethylphthalate	11000	U
208-96-8	Acenaphthylene	11000	U
606-20-2	2,6-Dinitrotoluene	11000	U
99-09-2	3-Nitroaniline	28000	UJ
83-32-9	Acenaphthene	11000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218756

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0708K10

Level: (low/med) MED Date Received: 06/17/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

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	28000	UJ
100-02-7	4-Nitrophenol	28000	U
132-64-9	Dibenzofuran	11000	U
121-14-2	2,4-Dinitrotoluene	11000	U
84-66-2	Diethylphthalate	11000	U
7005-72-3	4-Chlorophenyl-phenylether	11000	U
86-73-7	Fluorene	11000	U
100-10-6	4-Nitroaniline	28000	U
534-52-1	4,6-Dinitro-2-methylphenol	28000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	11000	UJ
101-55-3	4-Bromophenyl-phenylether	11000	U
118-74-1	Hexachlorobenzene	11000	U
87-86-5	Pentachlorophenol	28000	UJ
85-01-8	Phenanthrene	11000	U
120-12-7	Anthracene	11000	U
86-74-8	Carbazole	11000	U
84-74-2	Di-n-Butylphthalate	11000	U
206-44-0	Fluoranthene	2900	J
129-00-0	Pyrene	2400	J
85-68-7	Butylbenzylphthalate	11000	U
91-94-1	3,3'-Dichlorobenzidine	11000	U
56-55-3	Benzo(a)Anthracene	11000	U
218-01-9	Chrysene	11000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	6000	J
117-84-0	Di-n-Octyl Phthalate	11000	UJ
205-99-2	Benzo(b)Fluoranthene	11000	UJ
207-08-9	Benzo(k)Fluoranthene	11000	UJ
50-32-8	Benzo(a)Pyrene	11000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	11000	U
53-70-3	Dibenz(a,h)Anthracene	11000	U
191-24-2	Benzo(g,h,i)Perylene	11000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218756

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0708K10

Level: (low/med) MED Date Received: 06/17/92

% Moisture: 12 decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN ALIP. KETONE	7.45	44000	~~B~~J	am
2.	UNKNOWN	7.98	45000	J	
3.	UNKNOWN ALIP. KETONE	8.80	510000	~~B~~J	am
4.	UNKNOWN	9.10	8100	J	
5.	UNKNOWN ALIP. HYDROCARBON	9.47	11000	J	
6.	UNKNOWN	10.54	14000	J	
7.	UNKNOWN	11.24	19000	J	
8.	UNKNOWN	13.50	10000	J	
9.	UNKNOWN	27.22	7700	J	
10.	UNKNOWN	31.99	15000	~~B~~J	am
11.	UNKNOWN	32.91	11000	J	
12.	UNKNOWN	33.99	6400	J	
13.	UNKNOWN	34.09	10000	J	
14.	UNKNOWN ALIP. HYDROCARBON	34.91	15000	J	
15.	UNKNOWN	36.72	73000	J	
16.	UNKNOWN ALIP. HYDROCARBON	37.57	93000	J	
17.	UNKNOWN	37.89	110000	J	
18.	UNKNOWN ALIP. HYDROCARBON	41.39	87000	J	
19.	UNKNOWN	47.11	35000	J	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218757RE

Sample wt/vol: 4.1 (g/mL) G Lab File ID: A0626BK04

Level: (low/med) MED Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1900	
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	710	J
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	300	J
108-88-3	Toluene	4900	
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	7800	
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	46000	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218757RE

Sample wt/vol: 4.1 (g/mL) G Lab File ID: A0626BK04

Level: (low/med) MED Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	12.24	5600	J
2.	UNKNOWN ALIP. HYDROCARBON	13.20	8500	J
3.	UNKNOWN ALIP. HYDROCARBON	14.82	4600	J
4.	UNKNOWN	15.10	7800	J
5.	UNKNOWN ALIP. HYDROCARBON	15.52	22000	J
6.	UNKNOWN ALIP. HYDROCARBON	15.77	13000	J
7.	UNKNOWN ALIP. HYDROCARBON	16.10	28000	J
8.	UNKNOWN ALIP. HYDROCARBON	16.55	32000	J
9.	UNKNOWN ALIP. HYDROCARBON	16.72	14000	J
10.	UNKNOWN ALIP. HYDROCARBON	17.72	15000	J
11.	UNKNOWN ALIP. HYDROCARBON	17.82	21000	J
12.	UNKNOWN	18.04	3500	J
13.	UNKNOWN	18.10	6000	J
14.	UNKNOWN ALIP. HYDROCARBON	18.25	31000	J
15.	UNKNOWN ALIP. HYDROCARBON	18.44	20000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218757

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0717G05

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-Di-n-Propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)Methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U
91-20-3	Naphthalene	79000	
106-47-8	4-Chloroaniline	10000	UJ
87-68-3	Hexachlorobutadiene	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
208-96-8	Acenaphthylene	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
99-09-2	3-Nitroaniline	25000	UJ
83-32-9	Acenaphthene	10000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218757

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0717G05

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	UJ
100-02-7	4-Nitrophenol	25000	UJ
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
86-73-7	Fluorene	31000	
100-10-6	4-Nitroaniline	25000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-Nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
87-86-5	Pentachlorophenol	25000	UJ
85-01-8	Phenanthrene	120000	
120-12-7	Anthracene	24000	
86-74-8	Carbazole	10000	U
84-74-2	Di-n-Butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	26000	
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)Anthracene	26000	
218-01-9	Chrysene	33000	
117-81-7	bis(2-Ethylhexyl)Phthalate	10000	U
117-84-0	Di-n-Octyl Phthalate	10000	U
205-99-2	Benzo(b)Fluoranthene	13000	J
207-08-9	Benzo(k)Fluoranthene	10000	U
50-32-8	Benzo(a)Pyrene	8400	J
193-39-5	Indeno(1,2,3-cd)Pyrene	10000	U
53-70-3	Dibenz(a,h)Anthracene	10000	U
191-24-2	Benzo(g,h,i)Perylene	5500	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218757

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0717G05

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	14.54	430000	J
2.	UNKNOWN ALIP. HYDROCARBON	16.42	400000	J
3.	UNKNOWN ALIP. HYDROCARBON	17.67	270000	J
4.	UNKNOWN ALIP. HYDROCARBON	18.15	390000	J
5.	UNKNOWN ALIP. HYDROCARBON	19.39	250000	J
6.	UNKNOWN ALIP. HYDROCARBON	19.77	410000	J
7.	UNK. DIMETHYL NAPHTHALENE	20.44	210000	J
8.	UNKNOWN ALIP. HYDROCARBON	20.70	310000	J
9.	UNKNOWN ALIP. HYDROCARBON	21.29	400000	J
10.	UNK. TRIMETHYL NAPHTHALENE	22.10	93000	J
11.	UNKNOWN	22.70	72000	J
12.	UNKNOWN ALIP. HYDROCARBON	23.37	280000	J
13.	UNKNOWN ALIP. HYDROCARBON	24.07	360000	J
14.	UNKNOWN ALIP. HYDROCARBON	24.14	450000	J
15.	UNKNOWN ALIP. HYDROCARBON	25.36	440000	J
16.	UNKNOWN ALIP. HYDROCARBON	25.47	360000	J
17.	UNKNOWN ALIP. HYDROCARBON	26.57	460000	J
18.	UNKNOWN ALIP. HYDROCARBON	27.74	410000	J
19.	UNKNOWN ALIP. HYDROCARBON	28.86	360000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218758

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A0624BK10

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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	50	UJ
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	UJ
75-00-3	Chloroethane	50	UJ
75-09-2	Methylene Chloride	74	~~B~~ U am
67-64-1	Acetone	140	
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	UJ
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	35	J
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	UJ
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	340	
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	390	
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	2800	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218758

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A0624BK10

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	11.90	390	J
2.	UNKNOWN ALIP. HYDROCARBON	13.29	370	J
3.	UNKNOWN ALIP. HYDROCARBON	15.17	500	J
4.	UNKNOWN	15.59	920	J
5.	UNKNOWN ALIP. HYDROCARBON	15.84	640	J
6.	UNKNOWN ALIP. HYDROCARBON	16.17	1700	J
7.	UNKNOWN ALIP. HYDROCARBON	16.59	1300	J
8.	UNKNOWN ALIP. HYDROCARBON	16.77	900	J
9.	UNKNOWN ALIP. HYDROCARBON	16.99	630	J
10.	UNKNOWN ALIP. HYDROCARBON	17.77	700	J
11.	UNKNOWN ALIP. HYDROCARBON	17.87	1500	J
12.	UNKNOWN	18.09	300	J
13.	UNKNOWN	18.15	400	J
14.	UNKNOWN ALIP. HYDROCARBON	18.29	2200	J
15.	UNKNOWN ALIP. HYDROCARBON	18.49	1500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218758

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0708K12

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	8300	U
111-44-4	bis(2-Chloroethyl)Ether	8300	U
95-57-8	2-Chlorophenol	8300	U
541-73-1	1,3-Dichlorobenzene	8300	U
106-46-7	1,4-Dichlorobenzene	8300	U
95-50-1	1,2-Dichlorobenzene	8300	U
95-48-7	2-Methylphenol	8300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	8300	U
106-44-5	4-Methylphenol	8300	U
621-64-7	N-Nitroso-Di-n-Propylamine	8300	U
67-72-1	Hexachloroethane	8300	U
98-95-3	Nitrobenzene	8300	U
78-59-1	Isophorone	8300	U
88-75-5	2-Nitrophenol	8300	U
105-67-9	2,4-Dimethylphenol	8300	U
111-91-1	bis(2-Chloroethoxy)Methane	8300	U
120-83-2	2,4-Dichlorophenol	8300	U
120-82-1	1,2,4-Trichlorobenzene	8300	U
91-20-3	Naphthalene	17000	
106-47-8	4-Chloroaniline	8300	UJ
87-68-3	Hexachlorobutadiene	8300	U
59-50-7	4-Chloro-3-Methylphenol	8300	U
91-57-6	2-Methylnaphthalene	49000	
77-47-4	Hexachlorocyclopentadiene	8300	U
88-06-2	2,4,6-Trichlorophenol	8300	U
95-95-4	2,4,5-Trichlorophenol	21000	U
91-58-7	2-Chloronaphthalene	8300	U
88-74-4	2-Nitroaniline	21000	U
131-11-3	Dimethylphthalate	8300	U
208-96-8	Acenaphthylene	8300	U
606-20-2	2,6-Dinitrotoluene	8300	U
99-09-2	3-Nitroaniline	21000	UJ
83-32-9	Acenaphthene	6000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218758

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0708K12

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	21000	UJ
100-02-7	4-Nitrophenol	21000	U
132-64-9	Dibenzofuran	8300	U
121-14-2	2,4-Dinitrotoluene	8300	U
84-66-2	Diethylphthalate	8300	U
7005-72-3	4-Chlorophenyl-phenylether	8300	U
86-73-7	Fluorene	11000	
100-10-6	4-Nitroaniline	21000	U
534-52-1	4,6-Dinitro-2-methylphenol	21000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	8300	UJ
101-55-3	4-Bromophenyl-phenylether	8300	U
118-74-1	Hexachlorobenzene	8300	U
87-86-5	Pentachlorophenol	21000	UJ
85-01-8	Phenanthrene	34000	
120-12-7	Anthracene	19000	
86-74-8	Carbazole	6600	J
84-74-2	Di-n-Butylphthalate	8300	U
206-44-0	Fluoranthene	8300	J
129-00-0	Pyrene	12000	
85-68-7	Butylbenzylphthalate	8300	U
91-94-1	3,3'-Dichlorobenzidine	8300	U
56-55-3	Benzo(a)Anthracene	7600	J
218-01-9	Chrysene	11000	
117-81-7	bis(2-Ethylhexyl)Phthalate	2200	J
117-84-0	Di-n-Octyl Phthalate	8300	UJ
205-99-2	Benzo(b)Fluoranthene	6100	J
207-08-9	Benzo(k)Fluoranthene	6200	J
50-32-8	Benzo(a)Pyrene	3500	J
193-39-5	Indeno(1,2,3-cd)Pyrene	8300	U
53-70-3	Dibenz(a,h)Anthracene	8300	U
191-24-2	Benzo(g,h,i)Perylene	8300	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218758

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0708K12

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	17.67	87000	J
2.	UNKNOWN ALIP. HYDROCARBON	18.12	120000	J
3.	UNKNOWN ALIP. HYDROCARBON	19.37	100000	J
4.	UNK. DIMETHYL NAPHTHALENE	20.17	53000	J
5.	UNK. DIMETHYL NAPHTHALENE	20.40	60000	J
6.	UNK. DIMETHYL NAPHTHALENE	20.47	40000	J
7.	UNKNOWN ALIP. HYDROCARBON	20.62	42000	J
8.	UNKNOWN ALIP. HYDROCARBON	20.69	130000	J
9.	UNKNOWN ALIP. HYDROCARBON	21.25	140000	J
10.	UNKNOWN ALIP. HYDROCARBON	22.05	38000	J
11.	UNK. TRIMETHYL NAPHTHALENE	22.10	31000	J
12.	UNKNOWN ALIP. HYDROCARBON	22.15	36000	J
13.	UNK. TRIMETHYL NAPHTHALENE	22.59	20000	J
14.	UNKNOWN ALIP. HYDROCARBON	22.69	120000	J
15.	UNKNOWN ALIP. HYDROCARBON	23.37	130000	J
16.	UNKNOWN ALIP. HYDROCARBON	24.04	160000	J
17.	UNKNOWN	24.09	12000	J
18.	UNKNOWN ALIP. HYDROCARBON	24.14	230000	J
19.	UNKNOWN	24.64	24000	J
20.	UNKNOWN ALIP. HYDROCARBON	24.74	34000	J
21.	UNKNOWN	25.31	3900	J
22.	UNKNOWN ALIP. HYDROCARBON	25.34	130000	J
23.	UNKNOWN ALIP. HYDROCARBON	25.47	160000	J
24.	UNKNOWN ALIP. HYDROCARBON	26.49	48000	J
25.	UNKNOWN ALIP. HYDROCARBON	26.56	120000	J
26.	UNKNOWN ALIP. HYDROCARBON	27.74	98000	J
27.	UNKNOWN ALIP. HYDROCARBON	28.86	72000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218759

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A0624BK12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. _____ Date Analyzed: 06/24/92

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	50	UJ
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	UJ
75-00-3	Chloroethane	50	UJ
75-09-2	Methylene Chloride	50 ~~AI~~	~~BJ~~ U am
67-64-1	Acetone	290	
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	140	J
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	84	
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	UJ
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	370	
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	280	
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	1400	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218759

Sample wt/vol: 1.0 (g/mL) G Lab File ID: A0624BK12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

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

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	11.94	680	J
2.	UNKNOWN ALIP. HYDROCARBON	12.35	500	J
3. 1974-04-5	HEPTANE, 2-BROMO-	12.90	780	JN
4.	UNKNOWN ALIP. HYDROCARBON	13.30	720	J
5.	UNKNOWN ALIP. HYDROCARBON	15.17	780	J
6.	UNKNOWN ALIP. HYDROCARBON	15.59	840	J
7.	UNKNOWN ALIP. HYDROCARBON	15.85	560	J
8.	UNKNOWN	16.17	1700	J
9.	UNKNOWN ALIP. HYDROCARBON	16.60	1100	J
10.	UNKNOWN ALIP. HYDROCARBON	16.79	740	J
11.	UNKNOWN ALIP. HYDROCARBON	17.77	680	J
12.	UNKNOWN ALIP. HYDROCARBON	17.87	960	J
13.	UNKNOWN	18.17	460	J
14.	UNKNOWN ALIP. HYDROCARBON	18.30	1200	J
15.	UNKNOWN ALIP. HYDROCARBON	18.50	730	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218759

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0717G06

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	8300	U
111-44-4	bis(2-Chloroethyl)Ether	8300	U
95-57-8	2-Chlorophenol	8300	U
541-73-1	1,3-Dichlorobenzene	8300	U
106-46-7	1,4-Dichlorobenzene	8300	U
95-50-1	1,2-Dichlorobenzene	8300	U
95-48-7	2-Methylphenol	8300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	8300	U
106-44-5	4-Methylphenol	8300	U
621-64-7	N-Nitroso-Di-n-Propylamine	8300	U
67-72-1	Hexachloroethane	8300	U
98-95-3	Nitrobenzene	8300	U
78-59-1	Isophorone	8300	U
88-75-5	2-Nitrophenol	8300	U
105-67-9	2,4-Dimethylphenol	8300	U
111-91-1	bis(2-Chloroethoxy)Methane	8300	U
120-83-2	2,4-Dichlorophenol	8300	U
120-82-1	1,2,4-Trichlorobenzene	8300	U
91-20-3	Naphthalene	11000	
106-47-8	4-Chloroaniline	8300	UJ
87-68-3	Hexachlorobutadiene	8300	U
59-50-7	4-Chloro-3-Methylphenol	8300	U
91-57-6	2-Methylnaphthalene	40000	
77-47-4	Hexachlorocyclopentadiene	8300	U
88-06-2	2,4,6-Trichlorophenol	8300	U
95-95-4	2,4,5-Trichlorophenol	21000	U
91-58-7	2-Chloronaphthalene	8300	U
88-74-4	2-Nitroaniline	21000	U
131-11-3	Dimethylphthalate	8300	U
208-96-8	Acenaphthylene	8300	U
606-20-2	2,6-Dinitrotoluene	8300	U
99-09-2	3-Nitroaniline	21000	UJ
83-32-9	Acenaphthene	7200	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218759

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0717G06

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	21000	UJ
100-02-7	4-Nitrophenol	21000	UJ
132-64-9	Dibenzofuran	8300	U
121-14-2	2,4-Dinitrotoluene	8300	U
84-66-2	Diethylphthalate	8300	U
7005-72-3	4-Chlorophenyl-phenylether	8300	U
86-73-7	Fluorene	14000	
100-10-6	4-Nitroaniline	21000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	21000	U
86-30-6	N-Nitrosodiphenylamine (1)	8300	U
101-55-3	4-Bromophenyl-phenylether	8300	U
118-74-1	Hexachlorobenzene	8300	U
87-86-5	Pentachlorophenol	21000	UJ
85-01-8	Phenanthrene	79000	
120-12-7	Anthracene	17000	
86-74-8	Carbazole	10000	
84-74-2	Di-n-Butylphthalate	8300	U
206-44-0	Fluoranthene	56000	
129-00-0	Pyrene	50000	
85-68-7	Butylbenzylphthalate	8300	U
91-94-1	3,3'-Dichlorobenzidine	8300	U
56-55-3	Benzo(a)Anthracene	26000	
218-01-9	Chrysene	26000	
117-81-7	bis(2-Ethylhexyl)Phthalate	8300	U
117-84-0	Di-n-Octyl Phthalate	8300	U
205-99-2	Benzo(b)Fluoranthene	14000	J
207-08-9	Benzo(k)Fluoranthene	6000	J
50-32-8	Benzo(a)Pyrene	13000	J
193-39-5	Indeno(1,2,3-cd)Pyrene	8200	J
53-70-3	Dibenz(a,h)Anthracene	8300	U
191-24-2	Benzo(g,h,i)Perylene	9700	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218759

Sample wt/vol: 1.2 (g/mL) G Lab File ID: C0717G06

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	18.09	120000	J
2.	UNKNOWN ALIP. HYDROCARBON	19.35	71000	J
3.	UNKNOWN	19.69	6000	J
4.	UNK. DIMETHYL NAPHTHALENE	20.39	50000	J
5.	UNKNOWN ALIP. HYDROCARBON	20.67	110000	J
6.	UNKNOWN ALIP. HYDROCARBON	22.65	170000	J
7.	UNKNOWN ALIP. HYDROCARBON	24.02	250000	J
8.	UNKNOWN ALIP. HYDROCARBON	24.10	230000	J
9.	UNKNOWN	24.62	23000	J
10.	UNKNOWN ALIP. HYDROCARBON	25.31	200000	J
11.	UNKNOWN ALIP. HYDROCARBON	25.44	150000	J
12.	UNKNOWN	26.46	9500	J
13.	UNKNOWN ALIP. HYDROCARBON	26.52	200000	J
14.	UNKNOWN ALIP. HYDROCARBON	27.71	160000	J
15.	UNKNOWN ALIP. HYDROCARBON	28.82	130000	J
16.	UNKNOWN PNA	28.86	14000	J
17.	UNKNOWN ALIP. HYDROCARBON	29.91	100000	J
18.	UNKNOWN ALIP. HYDROCARBON	30.94	92000	J
19.	UNKNOWN ALIP. HYDROCARBON	31.94	97000	J
20.	UNKNOWN ALIP. HYDROCARBON	32.89	100000	J
21.	UNKNOWN ALIP. HYDROCARBON	33.84	97000	J
22.	UNKNOWN ALIP. HYDROCARBON	34.89	82000	J
23.	UNKNOWN ALIP. HYDROCARBON	36.11	78000	J
24.	UNKNOWN ALIP. HYDROCARBON	37.54	100000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218760RE

Sample wt/vol: 4.1 (g/mL) G Lab File ID: A0626BK06

Level: (low/med) MED Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	360	J
67-64-1	Acetone	1000	J
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1800	
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	620	J
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	650	J
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	4000	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218760RE

Sample wt/vol: 4.1 (g/mL) G Lab File ID: A0626BK06

Level: (low/med) MED Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/26/92

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

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.75	2600	J
2.	UNKNOWN	12.87	1100	J
3.	UNKNOWN ALIP. HYDROCARBON	13.17	1400	J
4.	UNKNOWN ALIP. HYDROCARBON	15.09	3400	J
5.	UNKNOWN ALIP. HYDROCARBON	15.50	3500	J
6.	UNKNOWN ALIP. HYDROCARBON	15.77	2100	J
7.	UNKNOWN ALIP. HYDROCARBON	16.52	4200	J
8.	UNKNOWN ALIP. HYDROCARBON	16.70	3500	J
9.	UNKNOWN	17.54	1600	J
10.	UNKNOWN ALIP. HYDROCARBON	17.70	2900	J
11.	UNKNOWN ALIP. HYDROCARBON	17.80	6200	J
12.	UNKNOWN ALIP. HYDROCARBON	18.25	9300	J
13.	UNKNOWN ALIP. HYDROCARBON	18.44	5400	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218760

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0717G07

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-Di-n-Propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)Methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U
91-20-3	Naphthalene	13000	
106-47-8	4-Chloroaniline	10000	UJ
87-68-3	Hexachlorobutadiene	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	48000	
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
208-96-8	Acenaphthylene	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
99-09-2	3-Nitroaniline	25000	UJ
83-32-9	Acenaphthene	9400	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218760

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0717G07

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	UJ
100-02-7	4-Nitrophenol	25000	UJ
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
86-73-7	Fluorene	15000	
100-10-6	4-Nitroaniline	25000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25000	U
86-30-6	N-Nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
87-86-5	Pentachlorophenol	25000	UJ
85-01-8	Phenanthrene	90000	
120-12-7	Anthracene	18000	
86-74-8	Carbazole	12000	
84-74-2	Di-n-Butylphthalate	10000	U
206-44-0	Fluoranthene	64000	
129-00-0	Pyrene	61000	
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)Anthracene	30000	
218-01-9	Chrysene	30000	
117-81-7	bis(2-Ethylhexyl)Phthalate	10000	U
117-84-0	Di-n-Octyl Phthalate	10000	U
205-99-2	Benzo(b)Fluoranthene	25000	J
207-08-9	Benzo(k)Fluoranthene	10000	U
50-32-8	Benzo(a)Pyrene	16000	J
193-39-5	Indeno(1,2,3-cd)Pyrene	9400	J
53-70-3	Dibenz(a,h)Anthracene	3200	J
191-24-2	Benzo(g,h,i)Perylene	12000	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105RE

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218760

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0717G07

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/17/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	18.15	120000	J
2.	UNKNOWN ALIP. HYDROCARBON	19.42	100000	J
3.	UNK. DIMETHYL NAPHTHALENE	20.47	54000	J
4.	UNKNOWN ALIP. HYDROCARBON	20.74	140000	J
5.	UNKNOWN ALIP. HYDROCARBON	21.29	170000	J
6.	UNK. TRIMETHYL NAPHTHALENE	22.15	29000	J
7.	UNKNOWN ALIP. HYDROCARBON	22.20	44000	J
8.	UNKNOWN ALIP. HYDROCARBON	22.74	160000	J
9.	UNKNOWN ALIP. HYDROCARBON	24.09	240000	J
10.	UNKNOWN ALIP. HYDROCARBON	24.19	300000	J
11.	UNKNOWN	24.70	26000	J
12.	UNKNOWN ALIP. HYDROCARBON	24.79	40000	J
13.	UNKNOWN	25.36	4600	J
14.	UNKNOWN ALIP. HYDROCARBON	25.39	190000	J
15.	UNKNOWN ALIP. HYDROCARBON	25.52	200000	J
16.	UNKNOWN ALIP. HYDROCARBON	26.54	62000	J
17.	UNKNOWN ALIP. HYDROCARBON	26.62	180000	J
18.	UNKNOWN ALIP. HYDROCARBON	27.79	140000	J
19.	UNKNOWN ALIP. HYDROCARBON	28.91	120000	J
20.	UNKNOWN ALIP. HYDROCARBON	29.99	95000	J
21.	UNKNOWN ALIP. HYDROCARBON	31.02	90000	J
22.	UNKNOWN ALIP. HYDROCARBON	32.01	84000	J
23.	UNKNOWN ALIP. HYDROCARBON	32.97	94000	J
24.	UNKNOWN ALIP. HYDROCARBON	33.94	72000	J
25.	UNKNOWN ALIP. HYDROCARBON	34.99	60000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218761

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0624BK05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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	10	UJ
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	UJ
75-00-3	Chloroethane	10	UJ
75-09-2	Methylene Chloride	13	~~B~~ U am
67-64-1	Acetone	51	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	5	J
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	13	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	UJ
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218761

Sample wt/vol: 5.0 (g/mL) G Lab File ID: A0624BK05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/24/92

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

b Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218761

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0708K11

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	10000	U
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
95-48-7	2-Methylphenol	10000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U
106-44-5	4-Methylphenol	10000	U
621-64-7	N-Nitroso-Di-n-Propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	10000	U
111-91-1	bis(2-Chloroethoxy)Methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	UJ
87-68-3	Hexachlorobutadiene	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
208-96-8	Acenaphthylene	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
99-09-2	3-Nitroaniline	25000	UJ
83-32-9	Acenaphthene	10000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218761

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0708K11

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	25000	UJ
100-02-7	4-Nitrophenol	25000	U
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
86-73-7	Fluorene	10000	U
100-10-6	4-Nitroaniline	25000	U
534-52-1	4,6-Dinitro-2-methylphenol	25000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10000	UJ
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
87-86-5	Pentachlorophenol	25000	UJ
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-Butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	5400	J
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	U
56-55-3	Benzo(a)Anthracene	10000	U
218-01-9	Chrysene	16000	
117-81-7	bis(2-Ethylhexyl)Phthalate	10000	U
117-84-0	Di-n-Octyl Phthalate	10000	UJ
205-99-2	Benzo(b)Fluoranthene	6600	J
207-08-9	Benzo(k)Fluoranthene	10000	UJ
50-32-8	Benzo(a)Pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10000	U
53-70-3	Dibenz(a,h)Anthracene	10000	U
191-24-2	Benzo(g,h,i)Perylene	10000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218761

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C0708K11

Level: (low/med) MED Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) N Date Extracted: 06/24/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 07/08/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	24.10	170000	J
2.	UNKNOWN ALIP. HYDROCARBON	25.46	190000	J
3.	UNKNOWN ALIP. HYDROCARBON	25.76	28000	J
4.	UNKNOWN ALIP. HYDROCARBON	26.47	8300	J
5.	UNKNOWN	26.54	22000	J
6.	UNKNOWN ALIP. HYDROCARBON	26.72	19000	J
7.	UNKNOWN	27.01	12000	J
8.	UNKNOWN	27.17	8800	J
9.	UNKNOWN	27.31	4800	J
10.	UNKNOWN	27.47	6300	J
11.	UNKNOWN ALIP. HYDROCARBON	27.54	30000	J
12.	UNKNOWN ALIP. HYDROCARBON	27.71	25000	J
13.	UNKNOWN	27.79	6200	J
14.	UNKNOWN ALIP. HYDROCARBON	27.94	18000	J
15.	UNKNOWN	28.44	7600	J
16.	UNKNOWN ALIP. HYDROCARBON	28.61	45000	J
17.	UNKNOWN ALIP. HYDROCARBON	28.74	9200	J
18.	UNKNOWN	28.81	4900	J
19.	UNKNOWN	29.72	23000	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

b Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218756

Sample wt/vol: 1.1 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/24/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (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	48	U
319-85-7	beta-BHC	48	U
319-86-8	delta-BHC	48	U
58-89-9	gamma-BHC (Lindane)	48	U
76-44-8	Heptachlor	48	U
309-00-2	Aldrin	48	U
1024-57-3	Heptachlor epoxide	48	U
959-98-8	Endosulfan I	48	U
60-57-1	Dieldrin	92	U
72-55-9	4,4'-DDE	92	U
72-20-8	Endrin	92	U
33213-65-9	Endosulfan II	92	U
72-54-8	4,4'-DDD	92	U
1031-07-8	Endosulfan sulfate	92	U
50-29-3	4,4'-DDT	92	U
72-43-5	Methoxychlor	480	U
53494-70-5	Endrin ketone	92	U
7421-36-3	Endrin aldehyde	92	U
5103-71-9	alpha-Chlordane	48	U
5103-74-2	gamma-Chlordane	48	U
8001-35-2	Toxaphene	4800	U
12674-11-2	Aroclor-1016	920	U
11104-28-2	Aroclor-1221	1900	U
11141-16-5	Aroclor-1232	920	U
53469-21-9	Aroclor-1242	920	U
12672-29-6	Aroclor-1248	920	U
11097-69-1	Aroclor-1254	920	U
11096-82-5	Aroclor-1260	920	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218757

Sample wt/vol: 1.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/24/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (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	49	U
319-85-7	beta-BHC	49	U
319-86-8	delta-BHC	49	U
58-89-9	gamma-BHC (Lindane)	49	U
76-44-8	Heptachlor	49	U
309-00-2	Aldrin	34	JP
1024-57-3	Heptachlor epoxide	180	P
959-98-8	Endosulfan I	290	
60-57-1	Dieldrin	290	
72-55-9	4,4'-DDE	160	
72-20-8	Endrin	150	P
33213-65-9	Endosulfan II	94	U
72-54-8	4,4'-DDD	300	P
1031-07-8	Endosulfan sulfate	94	U
50-29-3	4,4'-DDT	53	JP
72-43-5	Methoxychlor	490	U
53494-70-5	Endrin ketone	94	U
7421-36-3	Endrin aldehyde	94	U
5103-71-9	alpha-Chlordane	49	U
5103-74-2	gamma-Chlordane	49	U
8001-35-2	Toxaphene	4900	U
12674-11-2	Aroclor-1016	2200	P
11104-28-2	Aroclor-1221	6200	P
11141-16-5	Aroclor-1232	940	U
53469-21-9	Aroclor-1242	3500	P
12672-29-6	Aroclor-1248	940	U
11097-69-1	Aroclor-1254	4800	P
11096-82-5	Aroclor-1260	940	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218758

Sample wt/vol: 1.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/24/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (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	51	U
319-85-7	beta-BHC	51	U
319-86-8	delta-BHC	51	U
58-89-9	gamma-BHC (Lindane)	51	U
76-44-8	Heptachlor	51	U
309-00-2	Aldrin	51	U
1024-57-3	Heptachlor epoxide	51	U
959-98-8	Endosulfan I	51	U
60-57-1	Dieldrin	99	U
72-55-9	4,4'-DDE	44	JP
72-20-8	Endrin	99	U
33213-65-9	Endosulfan II	63	J
72-54-8	4,4'-DDD	99	U
1031-07-8	Endosulfan sulfate	99	U
50-29-3	4,4'-DDT	99	U
72-43-5	Methoxychlor	510	U
53494-70-5	Endrin ketone	99	U
7421-36-3	Endrin aldehyde	99	U
5103-71-9	alpha-Chlordane	51	U
5103-74-2	gamma-Chlordane	51	U
8001-35-2	Toxaphene	5100	U
12674-11-2	Aroclor-1016	550	JP
11104-28-2	Aroclor-1221	2000	U
11141-16-5	Aroclor-1232	990	U
53469-21-9	Aroclor-1242	2100	
12672-29-6	Aroclor-1248	990	U
11097-69-1	Aroclor-1254	990	U
11096-82-5	Aroclor-1260	990	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218759

Sample wt/vol: 1.2 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/24/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (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	42	U
319-85-7	beta-BHC	42	U
319-86-8	delta-BHC	42	U
58-89-9	gamma-BHC (Lindane)	42	U
76-44-8	Heptachlor	42	U
309-00-2	Aldrin	42	U
1024-57-3	Heptachlor epoxide	42	U
959-98-8	Endosulfan I	42	U
60-57-1	Dieldrin	140	
72-55-9	4,4'-DDE	78	JP
72-20-8	Endrin	37	JP
33213-65-9	Endosulfan II	110	
72-54-8	4,4'-DDD	82	U
1031-07-8	Endosulfan sulfate	82	U
50-29-3	4,4'-DDT	37	JP
72-43-5	Methoxychlor	420	U
53494-70-5	Endrin ketone	82	U
7421-36-3	Endrin aldehyde	82	U
5103-71-9	alpha-Chlordane	42	U
5103-74-2	gamma-Chlordane	42	U
8001-35-2	Toxaphene	4200	U
12674-11-2	Aroclor-1016	1000	
11104-28-2	Aroclor-1221	1700	U
11141-16-5	Aroclor-1232	2200	P
53469-21-9	Aroclor-1242	1900	P
12672-29-6	Aroclor-1248	1600	
11097-69-1	Aroclor-1254	820	U
11096-82-5	Aroclor-1260	330	JP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218760

Sample wt/vol: 1.1 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/24/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (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	48	U
319-85-7	beta-BHC	48	U
319-86-8	delta-BHC	48	U
58-89-9	gamma-BHC (Lindane)	48	U
76-44-8	Heptachlor	48	U
309-00-2	Aldrin	48	U
1024-57-3	Heptachlor epoxide	48	U
959-98-8	Endosulfan I	48	U
60-57-1	Dieldrin	140	P
72-55-9	4,4'-DDE	47	JP
72-20-8	Endrin	93	U
33213-65-9	Endosulfan II	100	
72-54-8	4,4'-DDD	93	U
1031-07-8	Endosulfan sulfate	93	U
50-29-3	4,4'-DDT	93	U
72-43-5	Methoxychlor	480	U
53494-70-5	Endrin ketone	93	U
7421-36-3	Endrin aldehyde	93	U
5103-71-9	alpha-Chlordane	48	U
5103-74-2	gamma-Chlordane	48	U
8001-35-2	Toxaphene	4800	U
12674-11-2	Aroclor-1016	480	JP
11104-28-2	Aroclor-1221	1900	U
11141-16-5	Aroclor-1232	1000	P
53469-21-9	Aroclor-1242	1900	
12672-29-6	Aroclor-1248	930	U
11097-69-1	Aroclor-1254	930	U
11096-82-5	Aroclor-1260	930	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

b Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) SOIL Lab Sample ID: D218761

Sample wt/vol: 1.3 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/24/92

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (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	40	U
319-85-7	beta-BHC	40	U
319-86-8	delta-BHC	40	U
58-89-9	gamma-BHC (Lindane)	40	U
76-44-8	Heptachlor	40	U
309-00-2	Aldrin	33	JP
1024-57-3	Heptachlor epoxide	19	JP
959-98-8	Endosulfan I	40	U
60-57-1	Dieldrin	120	
72-55-9	4,4'-DDE	79	U
72-20-8	Endrin	79	U
33213-65-9	Endosulfan II	79	U
72-54-8	4,4'-DDD	37	JP
1031-07-8	Endosulfan sulfate	67	J
50-29-3	4,4'-DDT	66	J
72-43-5	Methoxychlor	400	U
53494-70-5	Endrin ketone	79	U
7421-36-3	Endrin aldehyde	79	U
5103-71-9	alpha-Chlordane	18	J
5103-74-2	gamma-Chlordane	40	U
8001-35-2	Toxaphene	4000	U
12674-11-2	Aroclor-1016	210	JP
11104-28-2	Aroclor-1221	1600	U
11141-16-5	Aroclor-1232	790	U
53469-21-9	Aroclor-1242	790	U
12672-29-6	Aroclor-1248	790	U
11097-69-1	Aroclor-1254	790	U
11096-82-5	Aroclor-1260	790	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218745

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G10

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 6.0

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

b Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218745

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G10

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	120	UJ
100-02-7	4-Nitrophenol	120	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	U
7005-72-3	4-Chlorophenyl-phenylether	50	U
86-73-7	Fluorene	11	J
100-10-6	4-Nitroaniline	120	U
534-52-1	4,6-Dinitro-2-methylphenol	120	U
86-30-6	N-Nitrosodiphenylamine (1)	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	120	U
85-01-8	Phenanthrene	47	J
120-12-7	Anthracene	11	J
86-74-8	Carbazole	11	J
84-74-2	Di-n-Butylphthalate	50	U
206-44-0	Fluoranthene	40	J
129-00-0	Pyrene	33	J
85-68-7	Butylbenzylphthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)Anthracene	14	J
218-01-9	Chrysene	16	J
117-81-7	bis(2-Ethylhexyl)Phthalate	50	U
117-84-0	Di-n-Octyl Phthalate	50	U
205-99-2	Benzo(b)Fluoranthene	50	U
207-08-9	Benzo(k)Fluoranthene	50	U
50-32-8	Benzo(a)Pyrene	50	U
193-39-5	Indeno(1,2,3-cd)Pyrene	50	U
53-70-3	Dibenz(a,h)Anthracene	50	UJ
191-24-2	Benzo(g,h,i)Perylene	50	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218745

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G10

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 12

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.		UNKNOWN	8.22	45	J	
2.		UNKNOWN	9.17	23	~~BJ~~ U	am
3.	78-40-0	PHOSPHORIC ACID, TRIETHYL ES	14.95	140	JN	
4.	105-60-2	CAPROLACTAM	17.49	200	JN	
5.		UNKNOWN	18.70	21	J	
6.		UNKNOWN	18.94	18	J	
7.		UNKNOWN	23.05	18	J	
8.		UNKNOWN	23.27	24	J	
9.		UNKNOWN	25.51	680	J	
10.		UNK. CHLORINATED HYDROCARBON	30.82	11	~~BJ~~ UJ	am
11.	13674-87-8	2-PROPANOL, 1,3-DICHLORO-, P	31.64	38	JN	
12.		UNKNOWN	33.77	28	~~BJ~~ U	am

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218745

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC04

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. _____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218745

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC04

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.52	130	J

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101DL

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218745

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
76-44-8	Heptachlor	7.5	P
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	11	P
72-20-8	Endrin	1.4	P
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	0.62	JP
7421-36-3	Endrin aldehyde	1.0	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.18	JP
8001-35-2	Toxaphene	50	U
12674-11-2	Aroclor-1016	10	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	10	U
53469-21-9	Aroclor-1242	10	U
12672-29-6	Aroclor-1248	10	U
11097-69-1	Aroclor-1254	10	U
11096-82-5	Aroclor-1260	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218746

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G11

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	14	J
111-44-4	bis(2-Chloroethyl)Ether	40	U
95-57-8	2-Chlorophenol	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
95-48-7	2-Methylphenol	40	U
108-60-1	2,2'-oxybis(1-Chloropropane)	40	U
106-44-5	4-Methylphenol	40	U
621-64-7	N-Nitroso-Di-n-Propylamine	40	U
67-72-1	Hexachloroethane	40	U
98-95-3	Nitrobenzene	40	U
78-59-1	Isophorone	40	U
88-75-5	2-Nitrophenol	40	U
105-67-9	2,4-Dimethylphenol	40	U
111-91-1	bis(2-Chloroethoxy)Methane	40	U
120-83-2	2,4-Dichlorophenol	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U
91-20-3	Naphthalene	40	U
106-47-8	4-Chloroaniline	40	UJ
87-68-3	Hexachlorobutadiene	40	U
59-50-7	4-Chloro-3-Methylphenol	40	U
91-57-6	2-Methylnaphthalene	40	U
77-47-4	Hexachlorocyclopentadiene	40	U
88-06-2	2,4,6-Trichlorophenol	40	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	40	U
88-74-4	2-Nitroaniline	100	U
131-11-3	Dimethylphthalate	40	U
208-96-8	Acenaphthylene	40	U
606-20-2	2,6-Dinitrotoluene	40	U
99-09-2	3-Nitroaniline	100	U
83-32-9	Acenaphthene	40	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218746

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G11

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	100	UJ
100-02-7	4-Nitrophenol	100	U
132-64-9	Dibenzofuran	40	U
121-14-2	2,4-Dinitrotoluene	40	U
84-66-2	Diethylphthalate	40	U
7005-72-3	4-Chlorophenyl-phenylether	40	U
86-73-7	Fluorene	40	U
100-10-6	4-Nitroaniline	100	U
534-52-1	4,6-Dinitro-2-methylphenol	100	U
86-30-6	N-Nitrosodiphenylamine (1)	40	U
101-55-3	4-Bromophenyl-phenylether	40	U
118-74-1	Hexachlorobenzene	40	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	40	U
120-12-7	Anthracene	40	U
86-74-8	Carbazole	40	U
84-74-2	Di-n-Butylphthalate	40	U
206-44-0	Fluoranthene	40	U
129-00-0	Pyrene	40	U
85-68-7	Butylbenzylphthalate	40	U
91-94-1	3,3'-Dichlorobenzidine	40	U
56-55-3	Benzo(a)Anthracene	40	U
218-01-9	Chrysene	40	U
117-81-7	bis(2-Ethylhexyl)Phthalate	40	U
117-84-0	Di-n-Octyl Phthalate	40	U
205-99-2	Benzo(b)Fluoranthene	40	U
207-08-9	Benzo(k)Fluoranthene	40	U
50-32-8	Benzo(a)Pyrene	40	U
193-39-5	Indeno(1,2,3-cd)Pyrene	40	U
53-70-3	Dibenz(a,h)Anthracene	40	UJ
191-24-2	Benzo(g,h,i)Perylene	40	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218746

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G11

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 8.0

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	17.64	23	J
2.	UNKNOWN ALIP. HYDROCARBON	18.10	20	J
3.	UNKNOWN ALIP. HYDROCARBON	18.40	12	J
4. 492-37-5	BENZENEACETIC ACID, .ALPHA.-	18.85	70	JN
5.	UNKNOWN	18.97	11	J
6.	UNKNOWN ALIP. HYDROCARBON	19.37	32	J
7.	UNKNOWN ALIP. HYDROCARBON	19.72	26	J
8.	UNKNOWN	20.32	14	J
9.	UNKNOWN ALIP. HYDROCARBON	20.67	51	J
10.	UNKNOWN ALIP. HYDROCARBON	21.24	30	J
11.	UNKNOWN ALIP. HYDROCARBON	22.20	12	J
12.	UNK. TRIMETHYL NAPHTHALENE	22.32	8	J
13.	UNKNOWN ALIP. HYDROCARBON	22.55	10	J
14.	UNKNOWN ALIP. HYDROCARBON	22.67	28	J
15.	UNKNOWN ALIP. HYDROCARBON	24.02	34	J
16.	UNKNOWN ALIP. HYDROCARBON	24.10	110	J
17.	UNKNOWN ALIP. HYDROCARBON	24.72	14	J
18.	UNKNOWN ALIP. HYDROCARBON	25.31	27	J
19.	UNKNOWN ALIP. HYDROCARBON	25.46	73	J
20.	UNKNOWN ALIP. HYDROCARBON	26.47	17	J
21.	UNKNOWN ALIP. HYDROCARBON	26.54	24	J
22.	UNKNOWN ALIP. HYDROCARBON	27.72	18	J
23.	UNKNOWN ALIP. HYDROCARBON	28.84	13	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218746

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0619LC09

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/19/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	19	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	13	
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	14	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	13	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	8	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	43	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218746

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0619LC09

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/19/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	13.24	13	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102DL

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218746

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 8.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	1.1	
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	1.0	U
72-20-8	Endrin	1.0	U
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	1.0	U
7421-36-3	Endrin aldehyde	1.0	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	50	U
12674-11-2	Aroclor-1016	10	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	10	U
53469-21-9	Aroclor-1242	10	U
12672-29-6	Aroclor-1248	10	U
11097-69-1	Aroclor-1254	10	U
11096-82-5	Aroclor-1260	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

b Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218752

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	100	U
111-44-4	bis(2-Chloroethyl)Ether	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
95-48-7	2-Methylphenol	100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	U
106-44-5	4-Methylphenol	100	U
621-64-7	N-Nitroso-Di-n-Propylamine	100	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	100	U
111-91-1	bis(2-Chloroethoxy)Methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	20	J
106-47-8	4-Chloroaniline	100	UJ
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-Methylphenol	100	U
91-57-6	2-Methylnaphthalene	56	J
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	250	U
131-11-3	Dimethylphthalate	100	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	100	U
99-09-2	3-Nitroaniline	250	U
83-32-9	Acenaphthene	100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218752

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	250	UJ
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
86-73-7	Fluorene	100	U
100-10-6	4-Nitroaniline	250	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	N-Nitrosodiphenylamine (1)	100	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	100	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	37	J
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-Butylphthalate	100	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	24	J
85-68-7	Butylbenzylphthalate	100	U
91-94-1	3,3'-Dichlorobenzidine	100	U
56-55-3	Benzo(a)Anthracene	100	U
218-01-9	Chrysene	24	J
117-81-7	bis(2-Ethylhexyl)Phthalate	100	U
117-84-0	Di-n-Octyl Phthalate	100	U
205-99-2	Benzo(b)Fluoranthene	100	U
207-08-9	Benzo(k)Fluoranthene	100	U
50-32-8	Benzo(a)Pyrene	100	U
193-39-5	Indeno(1,2,3-cd)Pyrene	100	U
53-70-3	Dibenz(a,h)Anthracene	100	UJ
191-24-2	Benzo(g,h,i)Perylene	100	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218752

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

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

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	16.64	180	J
2.	UNKNOWN ALIP. HYDROCARBON	17.65	180	J
3.	UNKNOWN ALIP. HYDROCARBON	18.42	83	J
4.	UNKNOWN METHYL NAPHTHALENE	18.65	59	J
5.	UNKNOWN ALIP. HYDROCARBON	18.95	69	J
6.	UNKNOWN ALIP. HYDROCARBON	19.37	210	J
7.	UNKNOWN ALIP. HYDROCARBON	19.79	78	J
8.	UNK. DIMETHYL NAPHTHALENE	20.40	100	J
9.	UNK. DIMETHYL NAPHTHALENE	20.47	52	J
10.	UNKNOWN ALIP. HYDROCARBON	20.54	32	J
11.	UNKNOWN ALIP. HYDROCARBON	20.60	49	J
12.	UNKNOWN ALIP. HYDROCARBON	20.69	240	J
13.	UNK. DIMETHYL NAPHTHALENE	20.74	39	J
14.	UNKNOWN ALIP. HYDROCARBON	20.99	44	J
15.	UNK. TRIMETHYL NAPHTHALENE	21.67	44	J
16.	UNK. TRIMETHYL NAPHTHALENE	22.09	63	J
17.	UNKNOWN ALIP. HYDROCARBOM	22.20	59	J
18.	UNK. TRIMETHYL NAPHTHALENE	22.34	52	J
19.	UNK. TRIMETHYL NAPHTHALENE	22.39	44	J
20.	UNKNOWN ALIP. HYDROCARBON	22.55	46	J
21.	UNK. TRIMETHYL NAPHTHALENE	22.59	33	J
22.	UNKNOWN ALIP. HYDROCARBON	23.35	230	J
23.	UNKNOWN ALIP. HYDROCARBON	24.12	420	J
24.	UNKNOWN ALIP. HYDROCARBON	24.64	39	J
25.	UNKNOWN ALIP. HYDROCARBON	24.74	59	J
26.	UNKNOWN ALIP. HYDROCARBON	25.46	280	J
27.	UNKNOWN ALIP. HYDROCARBON	26.47	73	J
28.	UNK. METHYL ANTHRACENE	27.12	61	J
29.	UNK. METHYL ANTHRACENE	27.22	57	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218752

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0619LC07

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. _____ Date Analyzed: 06/19/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218752

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0619LC07

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/19/92

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

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.10	6	J
2. 75-43-4	METHANE, DICHLOROFLUORO-	4.32	29	JN

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103DL

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218752

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 100

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	5.0	U
319-85-7	beta-BHC	5.0	U
319-86-8	delta-BHC	5.0	U
58-89-9	gamma-BHC (Lindane)	5.0	U
76-44-8	Heptachlor	5.0	U
309-00-2	Aldrin	5.0	U
1024-57-3	Heptachlor epoxide	5.0	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	10	U
72-55-9	4,4'-DDE	10	U
72-20-8	Endrin	10	U
33213-65-9	Endosulfan II	10	U
72-54-8	4,4'-DDD	10	U
1031-07-8	Endosulfan sulfate	10	U
50-29-3	4,4'-DDT	10	U
72-43-5	Methoxychlor	50	U
53494-70-5	Endrin ketone	10	U
7421-36-3	Endrin aldehyde	10	U
5103-71-9	alpha-Chlordane	5.0	U
5103-74-2	gamma-Chlordane	5.0	U
8001-35-2	Toxaphene	500	U
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	200	U
11141-16-5	Aroclor-1232	100	U
53469-21-9	Aroclor-1242	100	U
12672-29-6	Aroclor-1248	100	U
11097-69-1	Aroclor-1254	100	U
11096-82-5	Aroclor-1260	100	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 6.0

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 6.0

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	50	UJ
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	20	U
121-14-2	2,4-Dinitrotoluene	20	U
84-66-2	Diethylphthalate	20	U
7005-72-3	4-Chlorophenyl-phenylether	20	U
86-73-7	Fluorene	20	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	20	U
101-55-3	4-Bromophenyl-phenylether	20	U
118-74-1	Hexachlorobenzene	20	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
86-74-8	Carbazole	20	U
84-74-2	Di-n-Butylphthalate	20	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
85-68-7	Butylbenzylphthalate	20	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	20	U
218-01-9	Chrysene	20	U
117-81-7	bis(2-Ethylhexyl)Phthalate	20 ~~B~~	~~BJ~~ U cm
117-84-0	Di-n-Octyl Phthalate	20	U
205-99-2	Benzo(b)Fluoranthene	20	U
207-08-9	Benzo(k)Fluoranthene	20	U
50-32-8	Benzo(a)Pyrene	20	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20	U
53-70-3	Dibenz(a,h)Anthracene	20	UJ
191-24-2	Benzo(g,h,i)Perylene	20	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: C0716G12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/92

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	8.15	8	J
2.	UNKNOWN ALIP. HYDROCARBON	20.67	6	J
3.	UNKNOWN	21.60	8	J
4.	UNKNOWN ALIP. HYDROCARBON	23.32	6	J
5.	UNKNOWN ALIP. HYDROCARBON	24.09	10	J
6.	UNKNOWN	25.49	7	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

I Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218749

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC07

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	3	J
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

L Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218749

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC07

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.37	14	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104DL

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218749

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.50	U
319-85-7	beta-BHC	0.50	U
319-86-8	delta-BHC	0.50	U
58-89-9	gamma-BHC (Lindane)	0.50	U
76-44-8	Heptachlor	0.50	U
309-00-2	Aldrin	0.50	U
1024-57-3	Heptachlor epoxide	0.50	U
959-98-8	Endosulfan I	0.50	U
60-57-1	Dieldrin	1.0	U
72-55-9	4,4'-DDE	1.0	U
72-20-8	Endrin	1.0	U
33213-65-9	Endosulfan II	1.0	U
72-54-8	4,4'-DDD	1.0	U
1031-07-8	Endosulfan sulfate	1.0	U
50-29-3	4,4'-DDT	1.0	U
72-43-5	Methoxychlor	5.0	U
53494-70-5	Endrin ketone	1.0	U
7421-36-3	Endrin aldehyde	1.0	U
5103-71-9	alpha-Chlordane	0.50	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	50	U
12674-11-2	Aroclor-1016	10	U
11104-28-2	Aroclor-1221	20	U
11141-16-5	Aroclor-1232	10	U
53469-21-9	Aroclor-1242	10	U
12672-29-6	Aroclor-1248	10	U
11097-69-1	Aroclor-1254	10	U
11096-82-5	Aroclor-1260	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218754

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K11

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218754

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K11

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	9	J
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218754

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K11

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 27

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	73583-56-9	2,6-DIMETHYL-6-NITRO-2-HEPTE	15.79	13	JN	
2.		UNKNOWN	25.89	210	J	
3.		UNKNOWN	26.14	17	J	
4.		UNKNOWN ALIP. ACID	30.07	11	J	
5.		UNKNOWN ALIP. HYDROCARBON	30.21	8	J	
6.		UNKNOWN	30.34	7	J	
7.		UNKNOWN	30.52	5	J	
8.		UNKNOWN	30.92	7	J	
9.		UNKNOWN ALIP. HYDROCARBON	31.04	3	J	
10.		UNKNOWN	31.22	35	~~BJ~~ U	an
11.		UNKNOWN	31.42	59	J	
12.		UNKNOWN	31.51	5	J	
13.		UNKNOWN	31.67	10	J	
14.		UNKNOWN	32.02	3	J	
15.		UNKNOWN	32.06	4	J	
16.		UNKNOWN	32.21	10	J	
17.		UNKNOWN	32.31	35	J	
18.		UNKNOWN ALIP. HYDROCARBON	32.41	10	J	
19.		UNKNOWN ALIP. HYDROCARBON	32.66	11	J	
20.		UNKNOWN	32.92	11	J	
21.		UNKNOWN	33.01	9	J	
22.		UNKNOWN ALIP. HYDROCARBON	33.27	15	J	
23.		UNKNOWN ALIP. HYDROCARBON	33.59	13	J	
24.		UNKNOWN	34.21	38	~~BJ~~ U	an
25.		UNKNOWN ALIP. HYDROCARBON	34.31	8	J	
26.		UNKNOWN ALIP. HYDROCARBON	34.61	10	J	
27.		UNKNOWN ALIP. HYDROCARBON	34.89	25	J	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

I Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218754

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC14

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218754

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC14

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218754

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218748

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218748

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218748

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K12

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

Number TICs found: 28

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	8.70	6	~~JNB~~ U	am
2.		UNKNOWN	9.35	11	~~BJ~~ U	am
3.	96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	9.70	6	~~JNB~~ U	am
4.		UNKNOWN ALIP. ALCOHOL	10.10	5	J	
5.		UNK. CHLORINATED HYDROCARBON	11.59	52	~~BJ~~ U	am
6.		UNKNOWN C3-SUB. BENZENE	11.95	8	J	
7.		UNKNOWN C3-SUB. BENZENE	12.10	9	J	
8.		UNKNOWN C3-SUB. BENZENE	12.39	8	J	
9.		UNKNOWN C3-SUB. BENZENE	12.69	28	J	
10.		UNKNOWN C3-SUB. BENZENE	13.34	8	J	
11.		UNKNOWN	13.40	3	~~BJ~~ U	am
12.		UNKNOWN C4-SUB. BENZENE	13.90	6	J	
13.		UNKNOWN C4-SUB. BENZENE	13.99	3	J	
14.		UNKNOWN C4-SUB. BENZENE	14.05	6	J	
15.		UNKNOWN C4-SUB. BENZENE	15.25	8	J	
16.		UNKNOWN C4-SUB. BENZENE	15.34	7	J	
17.		UNKNOWN C4-SUB. BENZENE	15.75	4	J	
18.	73583-56-9	2,6-DIMETHYL-6-NITRO-2-HEPTE	15.82	54	~~JNB~~ U	am
19.		UNKNOWN	15.90	6	~~BJ~~ U	am
20.		UNKNOWN C5-SUB. BENZENE	16.79	4	J	
21.		UNKNOWN ALIP. HYDROCARBON	17.60	4	J	
22.		UNKNOWN ALIP. HYDROCARBON	17.94	3	J	
23.		UNKNOWN	20.02	2	J	
24.		UNK. CHLORINATED HYDROCARBON	21.15	2	~~BJ~~ U	am
25.		UNKNOWN	25.89	94	J	
26.	80-07-9	BENZENE, 1,1'-SULFONYLBIS[4-	31.24	45	JN~~B~~	am
27.		UNKNOWN	31.42	18	J	
28.		UNKNOWN	34.24	52	~~BJ~~ U	am

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218748

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC06

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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

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

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

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218748

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC06

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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

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

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.45	9	J
2.	UNKNOWN	11.04	6	J
3.	UNKNOWN	11.89	4	J
4.	UNKNOWN	11.94	3	J
5.	UNKNOWN	13.37	10	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218748

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G107

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218750

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G107

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218750

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	23	~~B~~ U. am
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G107

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218750

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	8.69	9	~~JNB~~ u	am
2.	UNKNOWN	9.34	30	~~BJ~~ u	am
3. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	9.70	9	~~JNB~~ u	am
4.	UNKNOWN ALIP. ALCOHOL	10.10	12	~~BJ~~ u	am
5. 2441-97-6	CYCLOHEXENE, 3-CHLORO-	10.64	6	~~JNB~~ u	am
6.	UNK. CHLORINATED HYDROCARBON	11.59	79	~~BJ~~ u	am
7.	UNK. CHLORINATED HYDROCARBON	13.39	5	~~BJ~~ u	am
8. 73583-56-9	2,6-DIMETHYL-6-NITRO-2-HEPTE	15.82	70	~~JNB~~ u	am
9.	UNKNOWN	15.90	10	~~BJ~~ u	am
10. 1541-20-4	BI-2-CYCLOHEXEN-1-YL	19.19	4	JN	
11.	UNK. CHLORINATED HYDROCARBON	19.69	3	~~BJ~~ u	am
12.	UNK. CHLORINATED HYDROCARBON	21.15	4	~~BJ~~ u	am
13.	UNKNOWN	23.94	10	~~BJ~~ u	am
14.	UNKNOWN	25.86	21	J	
15.	UNKNOWN	30.52	7	~~BJ~~ u	am
16. 80-07-9	BENZENE, 1,1'-SULFONYLBIS[4-	31.24	49	JN~~B~~	am
17.	UNKNOWN	34.22	58	~~BJ~~ u	am

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G107

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218750

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC08

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	3	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	4	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G107

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218750

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC08

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G107

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218750

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218747

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K14

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218747

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K14

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	22	~~B~~U am
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	UJ

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G108

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218747

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K14

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 15

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	8.69	8	~~JNB~~ U	am
2.	UNKNOWN	9.34	28	~~BJ~~ U	am
3. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	9.70	8	~~JNB~~ U	am
4. 822-67-3	2-CYCLOHEXEN-1-OL	10.10	12	~~JNB~~ U	am
5. 2441-97-6	CYCLOHEXENE, 3-CHLORO-	10.64	5	~~JNB~~ U	am
6.	UNK. CHLORINATED HYDROCARBON	11.59	60	~~BJ~~ U	am
7.	UNK. CHLORINATED HYDROCARBON	13.39	4	~~BJ~~ U	am
8. 73583-56-9	2,6-DIMETHYL-6-NITRO-2-HEPTE	15.80	67	~~JNB~~ U	am
9.	UNKNOWN	15.90	8	~~BJ~~ U	am
10. 1541-20-4	BI-2-CYCLOHEXEN-1-YL	19.19	4	JN	
11.	UNK. CHLORINATED HYDROCARBON	21.14	3	~~BJ~~ U	am
12.	UNKNOWN	23.92	7	~~BJ~~ U	am
13. 80-07-9	BENZENE, 1,1'-SULFONYLBIS[4-	31.24	42	JN~~B~~	am
14.	UNKNOWN	31.41	7	J	
15.	UNKNOWN	34.21	49	~~BJ~~ U	am

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218747

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G108

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218747

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G108

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218747

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G109

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218751

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K15

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G109

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218751

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K15

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	UJ

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G109

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218751

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K15

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/18/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.	UNKNOWN	9.29	26	~~BJ~~ u	am
2. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	9.65	14	~~JNB~~ u	am
3. 822-67-3	2-CYCLOHEXEN-1-OL	10.04	10	~~JNB~~ u	am
4.	UNK. CHLORINATED HYDROCARBON	13.34	8	~~BJ~~ u	am
5. 73583-56-9	2,6-DIMETHYL-6-NITRO-2-HEPTE	15.77	150	~~BJ~~ u	am
6.	UNKNOWN	15.87	22	~~BJ~~ u	am
7.	UNK. CHLORINATED HYDROCARBON	19.65	7	~~BJ~~ u	am
8.	UNKNOWN	31.37	60	J	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G109

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218751

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC09

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G109

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218751

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC09

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G109

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218751

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G110

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218755

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K16

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G110

b Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218755

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K16

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

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

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

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	UJ

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G110

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218755

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0723K16

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.54	120	J
2.	UNKNOWN	25.82	210	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G110

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218755

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC16

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G110

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218755

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC16

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.35	6	J

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G110

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218755

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218753

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0727K05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/27/92

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	UJ
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	UJ
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	UJ
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	UJ
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218753

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0727K05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/27/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UJ
100-02-7	4-Nitrophenol	25	UJ
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	UJ
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218753

Sample wt/vol: 1000 (g/mL) ML Lab File ID: B0727K05

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 06/22/92

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/27/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	8.70	12	~~JNB~~ U	am
2.	UNKNOWN	9.35	22	~~BJ~~ U	am
3. 96-19-5	1-PROPENE, 1,2,3-TRICHLORO-	9.72	12	~~JNB~~ U	am
4. 822-67-3	2-CYCLOHEXEN-1-OL	10.10	10	~~JNB~~ U	am
5. 2441-97-6	CYCLOHEXENE, 3-CHLORO-	10.65	7	~~JNB~~ U	am
6.	UNK. CHLORINATED HYDROCARBON	11.60	87	~~BJ~~ U	am
7.	UNK. CHLORINATED HYDROCARBON	13.40	7	~~BJ~~ U	am
8.	UNK. CHLORINATED HYDROCARBON	14.00	4	~~BJ~~ U	am
9.	UNKNOWN	15.84	94	~~BJ~~ U	am
10.	UNKNOWN	15.92	23	~~BJ~~ U	am
11.	UNKNOWN	17.60	20	~~BJ~~ U	am
12. 1541-20-4	BI-2-CYCLOHEXEN-1-YL	19.20	11	~~JNB~~ U	am
13.	UNK. CHLORINATED HYDROCARBON	19.70	7	~~BJ~~ U	am
14.	UNK. CHLORINATED HYDROCARBON	21.15	4	~~BJ~~ U	am
15.	UNKNOWN	23.94	18	~~BJ~~ U	am
16.	UNKNOWN	25.82	4	~~BJ~~ U	am
17.	UNK. CHLORINATED HYDROCARBON	27.07	3	~~BJ~~ U	am
18.	UNKNOWN	30.52	7	~~BJ~~ U	am
19. 80-07-9	BENZENE, 1,1'-SULFONYLBIS[4-	31.24	41	~~JNB~~ U	am
20.	UNKNOWN	34.24	59	~~BJ~~ U	am

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218753

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218753

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0618LC13

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. ____ Date Analyzed: 06/18/92

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G501

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218753

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 06/17/92

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/19/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/14/92

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTB

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218852

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0619LC04

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. _____ Date Analyzed: 06/19/92

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/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKTB

Lab Name: ILLINOIS EPA Contract: 1970455016

Lab Code: SPFLD Case No.: INSTA SAS No.: _____ SDG No.: 218745

Matrix: (soil/water) WATER Lab Sample ID: D218852

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B0619LC04

Level: (low/med) LOW Date Received: 06/17/92

% Moisture: not dec. _____ Date Analyzed: 06/19/92

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/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q