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E.C. JORDAN CO.

ENGINEERS &  
SCIENTISTS

NEW YORK STATE  
DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
SUPERFUND STANDBY CONTRACT

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NORTH LAWRENCE  
OIL DUMP SITE

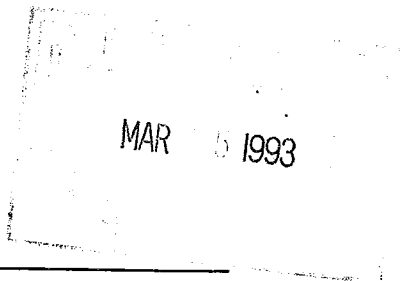
St. Lawrence County, New York  
WORK ASSIGNMENT NO. D002472-10

FINAL  
REMEDIAL INVESTIGATION REPORT  
VOLUME III  
APPENDIX D THROUGH F

E.C. JORDAN CO.  
MARCH 1993

FINAL  
REMEDIAL INVESTIGATION REPORT  
NORTH LAWRENCE OIL DUMP SITE

VOLUME III  
APPENDICES D THROUGH F



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<b>APPENDIX E-1</b>	<b>THIRD PHASE SEDIMENTS</b>
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**APPENDIX D**  
**SECOND PHASE DATA TABLES**

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**E.C. Jordan Co.**

## Definition of Data Qualifiers

### Organic Data Qualifiers

- J - Indicates an estimated concentration because results are either below the contract required detection level (CRQL) or quality control criteria were not met.
- JJ - Validation qualifier for concentrations below the CRQL.
- U - Indicates that compound was analyzed but not detected.
- UJ - Indicates that quantitation level was estimated because QC criteria were not met.
- B - Indicates analyte was detected in both the sample and the associated laboratory method blank.
- E - Indicates that the analyte concentration exceeded the calibration range of the GC/MS and that a re-analysis of a diluted sample is required.
- D - Indicates that sample concentration was obtained by dilution to bring result within calibration range.
- R - Indicates that data is unusable because QC criteria were not met.
- N - Indicates presumptive evidence of a compound. This flag is used for TICs where the identification is based on a library search and is applied to all TIC results. For general classes of compounds (hydrocarbons, etc.) this flag is not used.
- P - This flag is used for pesticides/PCBs when there is greater than 25% difference between the concentrations on the two columns used for analysis.
- C - This flag applies to pesticide/PCBs results when the identification has been confirmed by GC/MS.
- A - Indicates that a TIC is a suspected aldol-condensation product.
- X - Laboratory-defined qualifier used to provide additional information not covered by the other qualifiers.
- T - Indicates that analyte identification is tentative.

### Inorganic Data Qualifiers

- E - The reported concentration is estimated because of the presence of an interference.
- J - Indicates an estimated concentration because QC criteria were not met.
- R - Indicates that data is unusable because QC criteria were not met.
- M - Duplicate injection precision criteria were not met.
- N - Spiked sample recovery not within control limits.
- s - The reported concentration was determined by the method of standard additions.
- W - Postdigestion spike for furnace atomic adsorption analysis is outside control limits.
- [] - Concentration reported is below CRQL.
- \* - Duplicate analysis not within control limits.
- + - Correlation coefficient for the method of standard additions was less than 0.995

### Other Notations

- NR - Analysis not requested.
- NA - Analysis requested but not performed.
- - Compound analyzed but is less than the CRQL.

**APPENDIX D-1**

**SECOND PHASE SOIL BORINGS**

**VOLATILE ORGANIC DATA  
SEMIVOLATILE ORGANIC DATA  
PESTICIDE AND POLYCHLORINATED BIPHENYL DATA  
TOTAL ORGANIC CARBON DATA**

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**VOLATILE ORGANIC DATA**

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TABLE 1

Volatile Organic Soil Analysis (ug/kg)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	JSB201004X 1046201 11/19/91 11/26/91	JSB202004X 1046204 11/19/91 11/25/91	JSB203002X 1046202 11/19/91 11/25/91	JSB204004X 1048101 11/19/91 11/25/91	JSB205002D 1048105 11/19/91 11/27/91	JSB205002X 1048104 11/19/91 11/27/91	JSB206004X 1048107 11/19/91 11/27/91
Chloromethane	10		11 U	U	U	U	U	U	U
Bromomethane	10		11 U	U	U	U	U	U	U
Vinyl Chloride	10		11 U	U	U	U	U	U	U
Chloroethane	10		11 U	U	U	U	U	U	U
Methylene Chloride	5		5 J	U	U	U	U	U	U
Acetone	10		25	U	U	U	U	U	U
Carbon Disulfide	5		5 U	U	U	U	U	U	U
1,1-Dichloroethene	5		5 U	U	U	U	U	U	U
1,1-Dichloroethane	5		5 U	U	U	U	U	U	U
1,2-Dichloroethene (total)	5		5 U	U	U	U	U	U	U
Chloroform	5		5 U	U	U	U	U	U	U
1,2-Dichloroethane	5		5 U	U	U	U	U	U	U
2-Butanone	10		11 U	U	U	U	U	U	U
1,1,1-Trichloroethane	5		5 U	U	U	U	U	U	U
Carbon Tetrachloride	5		5 U	U	U	U	U	U	U
Vinyl Acetate	10		11 U	U	U	U	U	U	U
Bromodichloromethane	5		5 U	U	U	U	U	U	U
1,2-Dichloropropane	5		5 U	U	U	U	U	U	U
cis-1,3-Dichloropropene	5		5 U	U	U	U	U	U	U
Trichloroethene	5		5 U	U	U	U	U	U	U
Dibromochloromethane	5		5 U	U	U	U	U	U	U
1,1,2-Trichloroethane	5		5 U	U	U	U	U	U	U
Benzene	5		5 U	U	U	U	U	U	U
trans-1,3-Dichloropropene	5		5 U	U	U	U	U	U	U
Bromoform	5		5 U	U	U	U	U	U	U
4-Methyl-2-Pentanone	10		11 U	U	U	U	U	U	U
2-Hexanone	10		11 U	U	U	U	U	U	U
Tetrachloroethene	5		2 J	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	5		5 U	U	U	U	U	U	U
Toluene	5		5 U	U	U	U	U	U	U
Chlorobenzene	5		5 U	U	U	U	U	U	U
Ethylbenzene	5		5 U	U	U	U	U	U	U
Styrene	5		5 U	U	U	U	U	U	U
Total Xylenes	5		5 U	U	U	U	U	U	U
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Solids:			90	92	92	81	86	91	80
Associated Method Blank:			-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-
Associated Trip Blank:			-	-	-	-	-	-	-

Table 1  
Laboratory Report of Analysis

Volatile Organic Soil Analysis (ug/kg)

ANALYTE	SOM-02/88	CRQL	JSR206004X LAB NUMBER: DATE SAMPLED: DATE ANALYZED:	JSB207004X LAB NUMBER: DATE SAMPLED: DATE ANALYZED:	JSB207004X LAB NUMBER: DATE SAMPLED: DATE ANALYZED:
Chloromethane	10		63 U	11 U	54 U
Bromomethane	10		63 U	11 U	54 U
Vinyl Chloride	10		63 U	11 U	54 U
Chloroethane	10		63 U	11 U	54 U
Methylene Chloride	5		22 DJ	4 J	14 DJ
Acetone	10		63 U	11 U	54 U
Carbon Disulfide	5		31 U	5 U	27 U
1,1-Dichloroethane	5		31 U	5 U	27 U
1,1-Dichloroethane	5		31 U	5 U	27 U
1,2-Dichloroethane (total)	5		31 U	5 U	27 U
Chloroform	5		31 U	5 U	27 U
1,2-Dichloroethane	5		31 U	5 U	27 U
2-Butanone	10		63 U	11 U	54 U
1,1,1-Trichloroethane	5		31 U	5 U	27 U
Carbon Tetrachloride	5		31 U	5 U	27 U
Vinyl Acetate	10		63 U	11 U	54 U
Bromodichloromethane	5		31 U	5 U	27 U
1,2-Dichloropropane	5		31 U	5 U	27 U
cis-1,3-Dichloropropene	5		31 U	5 U	27 U
Trichloroethene	5		31 U	5 U	27 U
Dibromochloromethane	5		630 D	180 D	930 D
1,1,2-Trichloroethane	5		31 U	5 U	27 U
Benzene	5		31 U	5 U	27 U
trans-1,3-Dichloropropene	5		61 D	3 J	11 DJ
Bromoform	5		31 U	5 U	27 U
4-Methyl-2-Pentanone	5		31 U	5 U	27 U
2-Hexanone	10		63 U	11 U	54 U
Tetrachloroethene	5		1600 DE	280 E	1600 DE
1,1,2,2-Tetrachloroethane	5		1100 D	5 U	27 U
Toluene	5		31 U	5 U	1100 D
Chlorobenzene	5		31 U	5 U	27 U
Ethylbenzene	5		230 D	89 D	500 D
Styrene	5		31 U	5 U	27 U
Total Xylenes	5		230 D	540 E	3200 DE
=====					
Dilution Factor:			1.00	1.00	1.00
Percent Solids:			80	92	92
=====					
Associated Method Blank:			-	-	-
Associated Equipment Blank:			-	-	-
Associated Field Blank:			-	-	-
Associated Trip Blank:			-	-	-

TABLE 2

Table 2  
Validation / Summary Table

ANALYTE	SOV-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE ANALYZED:	JSB201004X 1046201 11/19/91 11/26/91	JSB202004X 1046204 11/19/91 11/25/91	JSB203002X 1046202 11/19/91 11/25/91	JSB204004X 1048101 11/19/91 11/25/91	JSB205002D 1048105 11/19/91 11/27/91	JSB205002X 1048104 11/19/91 11/27/91	JSB206004X 1048107 11/19/91 11/27/91	JSB207004X 1048117 11/19/91 11/27/91
Chloromethane	10	1.00	11 U	11 U	11 U	11 U	12 U	12 UJ	11 U	13 UJ	11 U
Bromomethane	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Vinyl Chloride	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Chloroethane	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Methylene Chloride	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Acetone	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Carbon Disulfide	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,1-Dichloroethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,1-Dichloroethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,2-Dichloroethane (total)	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Chloroform	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,2-Dichloroethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
2-Butanone	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,1,1-Trichloroethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Carbon Tetrachloride	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Vinyl Acetate	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Bromodichloromethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,2-Dichloropropane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
cis-1,3-Dichloropropene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Trichloroethene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Dibromochloromethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,1,2-Trichloroethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Benzene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
trans-1,3-Dichloropropene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Bromoform	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
4-Methyl-2-Pentanone	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
2-Hexanone	10	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Tetrachloroethene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
1,1,2,2-Tetrachloroethane	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Toluene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Chlorobenzene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Ethylbenzene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Styrene	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Total Xylenes	5	1.00	11 U	11 U	11 U	12 U	12 U	12 UJ	11 U	13 UJ	11 U
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Solids:			92	90	92	81	86	91	80	92	92
Associated Method Blank:			-	-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-	-
Associated Trip Blank:			-	-	-	-	-	-	-	-	-

TABLE 3

Volatile Organic Soil Analysis (ug/kg)

Table 3  
Summary Table

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:		JSB201004X	JSB202004X	JSB203002X	JSB204004X	JSB205002D	JSB205002X	JSB206004X	JSB207004X
			LAB NUMBER:	DATE SAMPLED:								
Chloromethane	10		1046201	11/19/91	1046204	1046202	1048101	1048105	1048104	1048107	1048117	1048117
Bromomethane	10		11/19/91	11/25/91	11/19/91	11/19/91	11/19/91	11/19/91	11/19/91	11/19/91	11/19/91	11/19/91
Vinyl Chloride	10											
Chloroethane	10											
Methylene Chloride	5											
Acetone	10											
Carbon Disulfide	5		25									
1,1-Dichloroethene	5											
1,1-Dichloroethane	5											
1,2-Dichloroethene (total)	5											
Chloroform	5											
1,2-Dichloroethane	5											
2-Butanone	10											
1,1,1-Trichloroethane	5											
Carbon Tetrachloride	5											
Vinyl Acetate	10											
Bromodichloromethane	5											
1,2-Dichloropropane	5											
cis-1,3-Dichloropropene	5											
Trichloroethene	5											
Dibromochloromethane	5											
1,1,2-Trichloroethane	5											
Benzene	5											
trans-1,3-Dichloropropene	5											
Bromoform	5											
4-Methyl-2-Pentanone	10											
2-Hexanone	10											
Tetrachloroethene	5											
1,1,2,2-Tetrachloroethane	5											
Toluene	5											
Chlorobenzene	5											
Ethylbenzene	5											
Styrene	5											
Total Xylenes	5											
Dilution Factor:			1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Solids:			92	90	92	81	81	86	91	80	92	92
Associated Method Blank:			-	-	-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-	-	-
Associated Trip Blank:			-	-	-	-	-	-	-	-	-	-

**SEMIVOLATILE ORGANIC DATA**

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**E.C. Jordan Co.**



TABLE 1

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:				JSB201004X	JSB202000X	JSB203002X	JSB204004X	JSB205002D	JSB205002X	JSB206000X	JSB207002X		
			LAB NUMBER:	DATE SAMPLED:	DATE EXTRACTED:	DATE ANALYZED:										
Phenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
bis(2-Chloroethyl)ether		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2-Chlorophenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
1,3-Dichlorobenzene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
1,4-Dichlorobenzene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Benzyl Alcohol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
1,2-Dichlorobenzene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2-Methylphenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
bis(2-Chloroisopropyl)ether		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
4-Methylphenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
N-Nitroso-di-n-propylamine		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Hexachloroethane		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Nitrobenzene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Isophorone		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2-Nitrophenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2,4-Dimethylphenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Benzoic Acid		1600	1700	U	3600	U	1700	U	2000	U	7400	U	20000	U	2600	U
bis(2-Chloroethoxy)methane		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2,4-Dichlorophenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
1,2,4-Trichlorobenzene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Naphthalene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
4-Chloroaniline		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Hexachlorobutadiene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
4-Chloro-3-Methylphenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2-Methylnaphthalene		330	68	J	730	U	360	U	360	J	13000	U	4000	U	6600	U
Hexachlorocyclopentadiene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2,4,6-Trichlorophenol		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2,4,5-Trichlorophenol		1600	1700	U	3600	U	1700	U	2000	U	7400	U	20000	U	2600	U
2-Chloronaphthalene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2-Nitroaniline		1600	1700	U	3600	U	1700	U	2000	J	7400	U	20000	U	2600	U
Dimethylphthalate		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
Acenaphthylene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U
2,6-Dinitrotoluene		330	360	U	730	U	360	U	410	U	1500	U	4000	U	530	U

Table 1  
Laboratory Report of Analysis

Semivolatile Organic Soil Analysis (ug/kg)

ANALYTE	SOV-02/88	CRQL	JSB201004X LAB NUMBER: 1046201	DATE SAMPLED: 11/17/91	DATE EXTRACTED: 11/22/91	DATE ANALYZED: 12/12/91	JSB202000X 1045542	11/17/91	11/21/91	12/18/91	JSB203002X 1046202	11/19/91	11/22/91	12/12/91	JSB204004X 1048101	11/19/91	11/22/91	12/16/91	JSB205002D 1048105	11/19/91	11/22/91	12/19/91	JSB205002X 1048104	11/19/91	11/22/91	12/19/91	JSB206000X 1048106	11/19/91	11/22/91	12/20/91	JSB207002X 1048114	11/19/91	11/22/91	12/20/91
3-Nitroaniline		1600	U				3600				1700	U			2000	U			7400	U			7000	U			20000	U			2600	U		
Acenaphthene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
2,4-Dinitrophenol		1600	U				3600				1700	U			2000	U			7400	U			7000	U			20000	U			2600	U		
4-Nitrophenol		1600	U				3600				1700	U			2000	U			7400	U			7000	U			20000	U			2600	U		
Dibenzofuran		330	U				730				360	U			410	U			200	J			250	J			4000	U			150	J		
2,4-Dinitrotoluene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Diethylphthalate		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
4-Chlorophenyl-phenylether		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Fluorene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
4-Nitroaniline		1600	U				3600				1700	U			2000	U			7400	U			7000	U			20000	U			2600	U		
4,6-Dinitro-2-methylphenol		1600	U				3600				1700	U			2000	U			7400	U			7000	U			20000	U			2600	U		
N-Nitrosodiphenylamine		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			540	U		
4-Bromophenyl-phenylether		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Hexachlorobenzene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Pentachlorophenol		1600	U				3600				1700	U			2000	U			7400	U			7000	U			20000	U			2600	U		
Phenanthrene		330	J				730				360	U			82	J			1300	U			1700	U			20000	U			2600	U		
Anthracene		330	J				730				360	U			82	J			1300	U			1700	U			20000	U			2600	U		
Di-n-butylphthalate		330	J				730				360	U			8	J			93	J			190	J			520	J			1000	U		
Fluoranthene		330	J				730				360	U			410	U			170	J			170	J			140	J			110	J		
Pyrene		330	J				730				360	U			410	U			230	J			230	J			250	J			530	U		
Butylbenzylphthalate		330	U				730				360	U			410	U			1500	U			1500	U			980	J			370	J		
3,3'-Dichlorobenzidine		660	U				1500				720	U			410	U			1500	U			1500	U			750	J			530	U		
Benzo(a)Anthracene		330	U				730				360	U			410	U			3100	U			2900	U			8100	U			1100	U		
Chrysene		330	J				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
bis(2-Ethylhexyl)phthalate		330	J				730				360	U			410	U			210	J			390	J			360	J			140	J		
Di-n-octylphthalate		330	U				730				360	U			1300	B			1500	U			2900	B			2100	BJ			1800	B		
Benzo(b)Fluoranthene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Benzo(k)Fluoranthene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Benzo(a)Pyrene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Indeno(1,2,3-c,d)Pyrene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
bibenz(a,h)Anthracene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Benzo(g,h,i)perylene		330	U				730				360	U			410	U			1500	U			1500	U			4000	U			530	U		
Dilution Factor:			1.00				2.00				1.00				1.00				4.00				4.00				10.0				1.50			
Percent Solids:			92				90				92				80				88				91				82				93			
Associated Method Blank:			-				-				-				-				-				-				-				-			
Associated Equipment Blank:			-				-				-				-				-				-				-				-			
Associated Field Blank:			-				-				-				-				-				-				-				-			

TABLE 2

Table 2  
Validation / Summary Table

ANALYTE	SO#-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB201004X 1046201 11/19/91 11/22/91 12/12/91	JSB202000X 1045542 11/17/91 11/21/91 12/18/91	JSB203002X 1046202 11/19/91 11/22/91 12/12/91	JSB204004X 1048101 11/19/91 11/22/91 12/16/91	JSB205002D 1048105 11/19/91 11/22/91 12/19/91	JSB205002X 1048104 11/19/91 11/22/91 12/19/91	JSB206000X 1048106 11/19/91 11/22/91 12/20/91	JSB207002X 1048114 11/19/91 11/22/91 12/20/91	
Phenol	330			U	730	U	410	U	1500	U	530	UJ
bis(2-Chloroethyl)ether	330			360	730	U	410	U	1500	U	530	UJ
2-Chlorophenol	330			360	730	U	410	U	1500	U	530	UJ
1,3-Dichlorobenzene	330			360	730	U	410	U	1500	U	530	UJ
1,4-Dichlorobenzene	330			360	730	U	410	U	1500	U	530	UJ
Benzyl Alcohol	330			360	730	U	410	U	1500	U	530	UJ
1,2-Dichlorobenzene	330			360	730	U	410	U	1500	U	530	UJ
2-Methylphenol	330			360	730	U	410	U	1500	U	530	UJ
bis(2-Chloroisopropyl)ether	330			360	730	U	410	U	1500	U	530	UJ
4-Methylphenol	330			360	730	U	410	U	1500	U	530	UJ
N-Nitroso-di-n-propylamine	330			360	730	U	410	U	1500	U	530	UJ
Hexachloroethane	330			360	730	U	410	U	1500	U	530	UJ
Nitrobenzene	330			360	730	U	410	U	1500	U	530	UJ
Isophorone	330			360	730	U	410	U	1500	U	530	UJ
2-Nitrophenol	330			360	730	U	410	U	1500	U	530	UJ
2,4-Dimethylphenol	330			360	730	U	410	U	1500	U	530	UJ
Benzoic Acid	1600			1700	3600	U	410	U	1500	U	530	UJ
bis(2-Chloroethoxy)methane	330			360	730	U	2000	U	7000	U	2600	UJ
2,4-Dichlorophenol	330			360	730	U	410	U	1500	U	530	UJ
1,2,4-Trichlorobenzene	330			360	730	U	410	U	1500	U	530	UJ
Naphthalene	330			360	730	U	410	U	1500	U	530	UJ
4-Chloroaniline	330			360	730	U	190	J	9200	U	5000	J
Hexachlorobutadiene	330			360	730	U	410	U	1500	U	530	UJ
4-Chloro-3-Methylphenol	330			360	730	U	410	U	1500	U	530	UJ
2-Methylnaphthalene	330			360	730	U	410	U	1500	U	530	UJ
Hexachlorocyclopentadiene	330			68	730	J	360	J	13000	U	6600	J
2,4,6-Trichlorophenol	330			360	730	U	410	U	1500	U	530	UJ
2,4,5-Trichlorophenol	330			360	730	U	410	U	1500	U	530	UJ
2-Chloronaphthalene	1600			1700	3600	U	410	U	1500	U	530	UJ
2-Nitroaniline	1600			1700	3600	U	410	U	1500	U	530	UJ
Dimethylphthalate	330			360	730	U	2000	U	7000	U	2600	UJ
Acenaphthylene	330			360	730	U	410	U	1500	U	530	UJ
2,6-Dinitrotoluene	330			360	730	U	410	U	220	J	120	J
				360	730	U	410	U	1500	U	530	UJ

ANALYTE	SOW-02/88	CRQL	JSB201004X	JSB202000X	JSB203002X	JSB204004X	JSB205002D	JSB205002X	JSB206000X	JSB207002X
			LAB NUMBER:	LAB NUMBER:	LAB NUMBER:	LAB NUMBER:	LAB NUMBER:	LAB NUMBER:	LAB NUMBER:	LAB NUMBER:
			DATE SAMPLED:	DATE SAMPLED:	DATE SAMPLED:	DATE SAMPLED:	DATE SAMPLED:	DATE SAMPLED:	DATE SAMPLED:	DATE SAMPLED:
			DATE EXTRACTED:	DATE EXTRACTED:	DATE EXTRACTED:	DATE EXTRACTED:	DATE EXTRACTED:	DATE EXTRACTED:	DATE EXTRACTED:	DATE EXTRACTED:
			DATE ANALYZED:	DATE ANALYZED:	DATE ANALYZED:	DATE ANALYZED:	DATE ANALYZED:	DATE ANALYZED:	DATE ANALYZED:	DATE ANALYZED:
3-Nitroaniline	1700	1600	1046201	1045542	1046202	1048101	1048105	1048104	1048106	1048114
Acenaphthene	360	360	11/19/91	11/17/91	11/19/91	11/19/91	11/19/91	11/19/91	11/19/91	11/19/91
2,4-Dinitrophenol	1700	1700	11/22/91	11/21/91	11/22/91	11/22/91	11/22/91	11/22/91	11/22/91	11/22/91
4-Nitrophenol	1700	1700	12/12/91	12/18/91	12/12/91	12/16/91	12/19/91	12/19/91	12/20/91	12/20/91
Dibenzofuran	360	360								
2,4-Dinitrotoluene	360	360								
Diethylphthalate	100	360								
4-Chlorophenyl-phenylether	360	360								
Fluorene	18	360								
4-Nitroaniline	1700	1700								
4,6-Dinitro-2-methylphenol	1700	1700								
N-Nitrosodiphenylamine	360	360								
4-Bromophenyl-phenylether	360	360								
Hexachlorobenzene	360	360								
Pentachlorophenol	1700	1700								
Phenanthrene	88	360								
Anthracene	6	360								
Di-n-butylphthalate	81	360								
Fluoranthene	28	360								
Pyrene	67	360								
Butylbenzylphthalate	360	360								
3,3'-Dichlorobenzidine	720	360								
Benzo(a)Anthracene	360	360								
Chrysene	39	360								
bis(2-Ethylhexyl)phthalate	94	360								
Di-n-octylphthalate	360	360								
Benzo(b)Fluoranthene	360	360								
Benzo(k)Fluoranthene	360	360								
Benzo(a)Pyrene	360	360								
Indeno(1,2,3-c,d)Pyrene	360	360								
Dibenz(a,h)Anthracene	360	360								
Benzo(g,h,i)perylene	360	360								
Dilution Factor:			1.00	2.00	1.00	1.00	4.00	4.00	10.0	1.50
Percent Solids:			92	90	92	80	88	91	82	93
Associated Method Blank:			-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-

TABLE 3





Table 3  
Summary Table

Semivolatile Organic Soil Analysis (ug/kg)

04/02/92

ANALYTE	SOM-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB201004X 1046201 11/19/91 11/22/91 12/12/91	JSB202000X 1045542 11/17/91 11/21/91 12/18/91	JSB203002X 1046202 11/19/91 11/22/91 12/12/91	JSB204004X 1048101 11/19/91 11/22/91 12/16/91	JSB205002D 1048105 11/19/91 11/22/91 12/19/91	JSB205002X 1048104 11/19/91 11/22/91 12/19/91	JSB206000X 1048106 11/19/91 11/22/91 12/20/91	JSB207002X 1048114 11/19/91 11/22/91 12/20/91
3-Nitroaniline		1600									
Acenaphthene		330									
2,4-Dinitrophenol		1600									
4-Nitrophenol		1600									
Dibenzofuran		330									
2,4-Dinitrotoluene		330									
Diethylphthalate		330									
4-Chlorophenyl-phenylether		330									
Fluorene		330									
4-Nitroaniline		330									
4,6-Dinitro-2-methylphenol		1600									
N-Nitrosodiphenylamine		1600									
4-Bromophenyl-phenylether		330									
Hexachlorobenzene		330									
Pentachlorophenol		330									
Phenanthrene		1600									
Anthracene		330									
Di-n-butylphthalate		330									
Fluoranthene		330									
Pyrene		330									
Butylbenzylphthalate		330									
3,3'-Dichlorobenzidine		660									
Benzo(a)Anthracene		330									
Chrysene		330									
bis(2-Ethylhexyl)phthalate		330									
Di-n-octylphthalate		330									
Benzo(b)Fluoranthene		330									
Benzo(k)Fluoranthene		330									
Benzo(a)Pyrene		330									
Indeno(1,2,3-c,d)Pyrene		330									
Dibenz(a,h)Anthracene		330									
Benzo(g,h,i)perylene		330									
=====											
			Dilution Factor:	1.00	2.00	1.00	1.00	4.00	4.00	10.0	1.50
			Percent Solids:	92	90	92	80	88	91	82	93
=====											
Associated Method Blank:											
Associated Equipment Blank:											
Associated Field Blank:											

PESTICIDE AND POLYCHLORINATED BIPHENYL DATA

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E.C. Jordan Co.

TABLE 1

Pesticides/PCBs Soil Analysis (ug/kg)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB201000X 1045538 11/17/91 11/20/91 12/15/91	JSB201006X 1046203 11/19/91 11/22/91 12/19/91	JSB202004X 1046204 11/19/91 11/22/91 02/19/91	JSB203000X 1045543 11/17/91 11/21/91 12/18/91	JSB204000X 1045539 11/17/91 11/21/91 12/18/91	JSB205002X 1048104 11/19/91 11/25/91 12/21/91	JSB206004X 1048107 11/19/91 11/25/91 12/21/91	JSB207000D 1048113 11/19/91 11/25/91 12/21/91
alpha-BHC	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
beta-BHC	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
delta-BHC	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
gamma-BHC (Lindane)	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
Heptachlor	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
Aldrin	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
Heptachlor Epoxide	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
Endosulfan I	8		46 U	26 U	8.9 U	46 U	46 U	97 U	35 U	60 U	47 U
Dieldrin	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
4,4'-DDE	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
Endrin	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
Endosulfan II	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
4,4'-DDD	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
Endosulfan Sulfate	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
4,4'-DDT	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
Methoxychlor	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Endrin Ketone	16		92 U	53 U	18 U	92 U	92 U	190 U	70 U	120 U	93 U
alpha-Chlordane	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
gamma-Chlordane	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Toxaphene	160		920 U	530 U	180 U	920 U	920 U	1900 U	700 U	1200 U	930 U
Aroclor-1016	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1221	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1232	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1242	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1248	80		460 U	260 U	89 U	460 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1254	160		920 U	250 U	180 U	920 U	920 U	1900 U	700 U	1200 U	930 U
Aroclor-1260	160		1800 U	530 U	180 U	1000 U	1000 U	5500 U	1700 U	1600 U	3000 U
Dilution Factor:			5.00	3.00	1.00	5.00	5.00	8.00	4.00	3.00	5.00
Percent Solids:			87	91	90	87	87	66	91	80	86

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

PROJECT: North Lawrence

Pesticides/PCBs Soil Analysis (ug/kg)

04/02/92

Table 1

Laboratory Report of Analysis

SAMPLE LOCATION: JSB207000X  
 LAB NUMBER: 1048110  
 DATE SAMPLED: 11/19/91  
 DATE EXTRACTED: 11/25/91  
 DATE ANALYZED: 12/21/91

ANALYTE	SOW-02/88	CRQL
alpha-BHC	8	74 U
beta-BHC	8	74 U
delta-BHC	8	74 U
gamma-BHC (Lindane)	8	74 U
Heptachlor	8	74 U
Aldrin	8	74 U
Heptachlor Epoxide	8	74 U
Endosulfan I	8	74 U
Dieldrin	16	150 U
4,4'-DDE	16	150 U
Endrin	16	150 U
Endosulfan II	16	150 U
4,4'-DDD	16	150 U
Endosulfan Sulfate	16	150 U
4,4'-DDT	16	150 U
Methoxychlor	80	740 U
Endrin Ketone	16	150 U
alpha-Chlordane	80	740 U
gamma-Chlordane	80	740 U
Toxaphene	160	1500 U
Aroclor-1016	80	740 U
Aroclor-1221	80	740 U
Aroclor-1232	80	740 U
Aroclor-1242	80	740 U
Aroclor-1248	80	740 U
Aroclor-1254	160	1500 U
Aroclor-1260	160	5700 U

Dilution Factor: 5.00  
 Percent Solids: 54

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

TABLE 2

Table 2  
Validation / Summary Table

Pesticides/PCBs Soil Analysis (ug/kg)

ANALYTE	SOH-02/88	CRQL	JSB201000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB201006X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB202004X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB203000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB204000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB205002X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB206004X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSB207000D LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:
alpha-BHC	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
beta-BHC	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
delta-BHC	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
gamma-BHC (Lindane)	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
Heptachlor	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
Aldrin	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
Heptachlor Epoxide	8		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
Endosulfan I	16		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
Dieldrin	16		46 U	26 U	8.9 U	46 U	97 U	35 U	60 U	47 U
4,4'-DDE	16		92 U	53 U	18 U	92 U	190 U	70 U	120 U	93 U
Endrin	16		92 U	53 U	18 U	92 U	190 U	70 U	120 U	93 U
Endosulfan II	16		92 U	53 U	18 U	92 U	190 U	70 U	120 U	93 U
4,4'-DDD	16		92 U	53 U	18 U	92 U	190 U	70 U	120 U	93 U
4,4'-DDT	16		92 U	53 U	18 U	92 U	190 U	70 U	120 U	93 U
Methoxychlor	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Endrin Ketone	16		92 U	53 U	18 U	92 U	190 U	70 U	120 U	93 U
alpha-Chlordane	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
gamma-Chlordane	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Toxaphene	160		920 U	530 U	180 U	920 U	1900 U	700 U	1200 U	930 U
Aroclor-1016	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1221	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1232	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1242	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1248	80		460 U	260 U	89 U	460 U	970 U	350 U	600 U	470 U
Aroclor-1254	160		920 U	250 U	180 U	920 U	1900 U	700 U	1200 U	930 U
Aroclor-1260	160		1800 U	530 U	180 U	1000 U	5500 U	1700 U	1600 U	3000 U
Dilution Factor:			5.00	3.00	1.00	5.00	8.00	4.00	3.00	5.00
Percent Solids:			87	91	90	87	66	91	80	86
Associated Method Blank:			-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-

Table 2  
Validation / Summary Table

SAMPLE LOCATION: JS8207000X  
 LAB NUMBER: 1048110  
 DATE SAMPLED: 11/19/91  
 DATE EXTRACTED: 11/25/91  
 DATE ANALYZED: 12/21/91

ANALYTE	SQM-02/88	CRQL	
alpha-BHC	8	74	U
beta-BHC	8	74	U
delta-BHC	8	74	U
gamma-BHC (Lindane)	8	74	U
Heptachlor	8	74	U
Aldrin	8	74	U
Heptachlor Epoxide	8	74	U
Endosulfan I	8	74	U
Dieldrin	8	74	U
4,4'-DDE	8	74	U
Endrin	16	150	U
Endosulfan II	16	150	U
4,4'-DDD	16	150	U
Endosulfan Sulfate	16	150	U
4,4'-DDT	16	150	U
Methoxychlor	16	150	U
Endrin Ketone	80	740	U
alpha-Chlordane	16	740	U
gamma-Chlordane	80	740	U
Toxaphene	160	1500	U
Aroclor-1016	80	740	U
Aroclor-1221	80	740	U
Aroclor-1232	80	740	U
Aroclor-1242	80	740	U
Aroclor-1248	80	740	U
Aroclor-1254	80	740	U
Aroclor-1260	160	1500	U
	160	5700	J
=====			
Dilution Factor:		5.00	
Percent Solids:		54	
=====			

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -



TABLE 3



Table 3  
Summary Table

SAMPLE LOCATION: JSB207000X  
 LAB NUMBER: 1048110  
 DATE SAMPLED: 11/19/91  
 DATE EXTRACTED: 11/25/91  
 DATE ANALYZED: 12/21/91

ANALYTE	SOX-02/88	CRQL
alpha-BHC	8	
beta-BHC	8	
delta-BHC	8	
gamma-BHC (Lindane)	8	
Heptachlor	8	
Aldrin	8	
Heptachlor Epoxide	8	
Endosulfan I	8	
Dieldrin	16	
4,4'-DDE	16	
Endrin	16	
Endosulfan II	16	
4,4'-DDD	16	
Endosulfan Sulfate	16	
4,4'-DDT	16	
Methoxychlor	80	
Endrin Ketone	80	
alpha-Chlordane	80	
gamma-Chlordane	80	
Toxaphene	160	
Arroclor-1016	80	
Arroclor-1221	80	
Arroclor-1232	80	
Arroclor-1242	80	
Arroclor-1248	80	
Arroclor-1254	80	
Arroclor-1260	160	
=====		
Dilution Factor:	5700	
Percent Solids:	5.00	
=====		
	54	

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

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E.C. Jordan Co.

TOTAL ORGANIC CARBON DATA

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APPENDIX D

TABLE 1



PROJECT: North Lawrence

TOC Soil Analysis (mg/kg)

03-Apr-92

Table 1  
Laboratory Report of Analysis

ANALYTE	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSR203000X 10455043 11/17/91	JSR208000X 10455044 11/17/91	JSR210000X 10455045 11/17/91	JSR201006X N1046203 11/19/91	JSR202004X N1046204 11/19/91	JSR205002X N1048104 11/19/91	JSR206004X N1048107 11/19/91	JSR207000X N1048110 11/19/91
Total Organic Carbon (TOC)		19450	98250	57500	32600	20600	54200	48400	139000





PROJECT:North Lawrence

Table 2  
Validation/Summary Table

SAMPLE LOCATION:  
LAB NUMBER:  
DATE SAMPLED:  
ANALYTE

Total Organic Carbon (TOC)

TOC Soil Analysis (mg/kg)

03-Apr-'92

JSB201000X 10455038 11/17/91	JSB204000X 10455039 11/17/91	JSB209000X 10455040 11/17/91	JSB204000D 10455041 11/17/91
78300	95900	147000	835000 J

TABLE 3

PROJECT:North Lawrence

TOC Soil Analysis (mg/kg)

03-Apr-92

Table 2  
Validation/Summary Table

ANALYTE	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSR203000X 10455043 11/17/91	JSR208000X 10455044 11/17/91	JSR210000X 10455045 11/17/91	JSR201006X N1046203 11/19/91	JSR202004X N1046204 11/19/91	JSR205002X N1048104 11/19/91	JSR206004X N1048107 11/19/91	JSR207000X N1048110 11/19/91
Total Organic Carbon (TOC)		19450	98250	57500	32600	20600	54200	48400	139000

PROJECT:North Lawrence

Table 3  
Summary Table

SAMPLE LOCATION:  
LAB NUMBER:  
DATE SAMPLED:  
ANALYTE

Total Organic Carbon (TOC)

TOC Soil Analysis (mg/kg)

03-Apr-92

JSB201000X 10455038 11/17/91	JSB204000X 10455039 11/17/91	JSB209000X 10455040 11/17/91	JSB204000D 10455041 11/17/91
78300	95900	147000	835000 J

Table 3  
Summary Table

SAMPLE LOCATION: JSB203000X  
LAB NUMBER: 10455043  
DATE SAMPLED: 11/17/91

ANALYTE

ANALYTE	JSB208000X 10455044 11/17/91	JSB210000X 10455045 11/17/91	JSB201006X N1046203 11/19/91	JSB202004X N1046204 11/19/91	JSB205002X N1048104 11/19/91	JSB206004X N1048107 11/19/91	JSB207000X N1048110 11/19/91
Total Organic Carbon (TOC)	98250	57500	32600	20600	54200	48400	139000

**APPENDIX D-2**

**SECOND PHASE GROUNDWATER**

**VOLATILE ORGANIC DATA  
SEMIVOLATILE ORGANIC DATA  
PESTICIDE AND POLYCHLORINATED BIPHENYL DATA  
INORGANIC DATA**

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**E.C. Jordan Co.**

VOLATILE ORGANIC DATA

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E.C. Jordan Co.

TABLE 1



Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	JMW101AXXO 1106607 01/14/92 01/17/92	JMW101BXXO 1106606 01/14/92 01/17/92	JMW102AXXO 1106612 01/14/92 01/20/92	JMW102BXXO 1106608 01/14/92 01/17/92	JMW103XXXO 1106611 01/14/92 01/17/92	JMW104AXXO 1109202 01/15/92 01/20/92	JMW104BXXO 1109204 01/15/92 01/20/92	JMW105AXXO 1106609 01/14/92 02/05/92
Chloromethane	10	U	10	10	10	10	10	10	10	10
Bromomethane	10	U	10	10	10	10	10	10	10	10
Vinyl Chloride	10	U	10	10	10	10	10	10	10	10
Chloroethane	10	U	10	10	10	10	10	10	10	10
Methylene Chloride	5	U	2 BJ	2 BJ	5 U	2 BJ	1 BJ	5 U	5 U	2 BJ
Acetone	10	U	2 BJ	2 BJ	10 B	4 BJ	5 BJ	10 U	5 U	10 U
Carbon Disulfide	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10	U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	10	U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5	U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Dilution Factor: 1.00  
 Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -  
 Associated Trip Blank: -

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	JMW105BXXO 1106610 01/14/92 02/05/92	JMW106AXXO 1109203 01/15/92 01/20/92	JMW107AXXO 1111302 01/15/92 01/20/92	JMW107BXXO 1109201 01/15/92 01/20/92	JMW201AXXO 1104601 01/14/92 01/20/92	JMW202AXXO 1104602 01/14/92 01/20/92	JMW203AXXO 1106601 01/14/92 01/20/92	JMW203AXXO 1106602 01/14/92 01/17/92
Chloromethane	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	5	U	5	U	5	U	5	U	5	U
Acetone	10	U	10	U	10	U	10	U	10	U
Carbon Disulfide	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)	5	U	5	U	5	U	5	U	5	U
Chloroform	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U
2-Butanone	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	U	5	U	5	U	5	U	5	U
Vinyl Acetate	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U
Benzene	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U
Styrene	5	U	5	U	5	U	5	U	5	U
Total Xylenes	5	U	5	U	5	U	5	U	5	U
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -  
 Associated Trip Blank: -

Table 1  
Laboratory Report of Analysis

ANALYTE	SOM-02/88	CRQL	JMW204XXXO LAB NUMBER: DATE SAMPLED: DATE ANALYZED:	JTR001XXXO 1104603 01/14/92 01/18/92	JTR002BXXO 1106613 01/14/92 01/20/92	JTR003XXXO 1106015 01/14/92 01/20/92	JTR004XXXO 1106614 01/14/92 01/20/92	JTR005XXXO 1109205 01/15/92 01/20/92	JTR006XXXO 1111303 01/15/92 01/22/92	
Chloromethane	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	5	U	5	U	5	U	5	U	5	U
Acetone	10	U	10	U	12	B	2	J	5	U
Carbon Disulfide	5	U	5	U	5	U	6	BJ	10	U
1,1-Dichloroethene	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U
Chloroform	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U
2-Butanone	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	U	5	U	5	U	5	U	5	U
Vinyl Acetate	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U
Benzene	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U
Toluene	5	U	5	U	5	U	5	U	5	U
Chlorobenzene	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U
Styrene	5	U	5	U	5	U	5	U	5	U
Total Xylenes	5	U	5	U	5	U	5	U	5	U
			Dilution Factor:			1.00			1.00	

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -  
Associated Trip Blank: -

Table 1

Laboratory Report of Analysis

SAMPLE LOCATION: JSB001XXX0  
 LAB NUMBER: 1106603  
 DATE SAMPLED: 01/14/92  
 DATE ANALYZED: 01/17/92

ANALYTE	SOW-02/88	CRGL
Chloromethane	10	10 U
Bromomethane	10	10 U
Vinyl Chloride	10	10 U
Chloroethane	10	10 U
Methylene Chloride	5	1 BJ
Acetone	10	4 BJ
Carbon Disulfide	5	5 U
1,1-Dichloroethane	5	5 U
1,1-Dichloroethane	5	5 U
1,2-Dichloroethane (total)	5	5 U
Chloroform	5	5 U
1,2-Dichloroethane	5	5 U
2-Butanone	10	10 U
1,1,1-Trichloroethane	5	5 U
Carbon Tetrachloride	5	5 U
Vinyl Acetate	10	10 U
Bromodichloromethane	5	5 U
1,2-Dichloropropane	5	5 U
cis-1,3-Dichloropropene	5	5 U
Trichloroethene	5	5 U
Dibromochloromethane	5	5 U
1,1,2-Trichloroethane	5	5 U
Benzene	5	5 U
trans-1,3-Dichloropropene	5	5 U
Bromoform	5	5 U
4-Methyl-2-Pentanone	10	10 U
2-Hexanone	10	10 U
Tetrachloroethene	5	5 U
1,1,2,2-Tetrachloroethane	5	5 U
Toluene	5	5 U
Chlorobenzene	5	5 U
Ethylbenzene	5	5 U
Styrene	5	5 U
Total Xylenes	5	5 U

Dilution Factor: 1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -  
 Associated Trip Blank: -

TABLE 2

Table 2  
Validation / Summary Table

ANALYTE	SOM-02/88	CRQL	JMW101AXXO	JMW101BXXO	JMW102AXXO	JMW102BXXO	JMW103XXO	JMW104AXXO	JMW104BXXO	JMW105AXXO
Chloromethane	10	U	1106607	1106606	1106612	1106608	1106611	1109202	1109204	1106609
Bromomethane	10	U	01/14/92	01/14/92	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92	01/14/92
Vinyl Chloride	10	U	01/17/92	01/17/92	01/20/92	01/17/92	01/17/92	01/20/92	01/20/92	02/05/92
Chloroethane	10	U								
Methylene Chloride	5	BJ								
Acetone	10	BJ								
Carbon Disulfide	5	BJ								
1,1-Dichloroethane	5	U								
1,1-Dichloroethane	5	U								
1,2-Dichloroethane	5	U								
1,2-Dichloroethane (total)	5	U								
Chloroform	5	U								
1,2-Dichloroethane	5	U								
2-Butanone	10	U								
1,1,1-Trichloroethane	5	U								
Carbon Tetrachloride	5	U								
Vinyl Acetate	10	U								
Bromodichloromethane	5	U								
1,2-Dichloropropane	5	U								
cis-1,3-Dichloropropene	5	U								
Trichloroethene	5	U								
Dibromochloromethane	5	U								
1,1,2-Trichloroethane	5	U								
Benzene	5	U								
trans-1,3-Dichloropropene	5	U								
Bromoform	5	U								
4-Methyl-2-Pentanone	10	U								
2-Hexanone	10	U								
Tetrachloroethene	5	U								
1,1,2,2-Tetrachloroethane	5	U								
Toluene	5	U								
Chlorobenzene	5	U								
Ethylbenzene	5	U								
Styrene	5	U								
Total Xylenes	5	U								
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Associated Method Blank:			-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-
Associated Trip Blank:			-	-	-	-	-	-	-	-

Table 2  
Validation / Summary Table

ANALYTE	SOH-02/88	CRQL	JMW105BXXO 1106610 01/14/92 02/05/92	JMW106GXXO 1109203 01/15/92 01/20/92	JMW107AXXO 1111302 01/15/92 01/20/92	JMW107BXXO 1109201 01/15/92 01/20/92	JMW201AXXO 1104601 01/14/92 01/20/92	JMW202XXXO 1104602 01/14/92 01/20/92	JMW203AXXO 1106601 01/14/92 01/20/92	JMW203XXXO 1106602 01/14/92 01/17/92
Chloromethane	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	5	U	5	U	5	U	5	U	5	U
Acetone	10	U	10	U	10	U	10	U	10	U
Carbon Disulfide	24	B	24	B	24	B	24	B	24	B
1,1-Dichloroethane	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)	5	U	5	U	5	U	5	U	5	U
Chloroform	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	U	5	U	5	U	5	U	5	U
2-Butanone	10	J	10	J	10	J	10	J	10	J
1,1,1-Trichloroethane	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride	5	U	5	U	5	U	5	U	5	U
Vinyl Acetate	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U
Trichloroethene	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane	5	U	5	U	5	U	5	U	5	U
Benzene	5	U	5	U	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	U	5	U	5	U	5	U	5	U
Bromoform	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5	U	5	U
Toluene	5	J	5	J	5	J	5	J	5	J
Chlorobenzene	5	U	5	U	5	U	5	U	5	U
Ethylbenzene	5	U	5	U	5	U	5	U	5	U
Styrene	5	U	5	U	5	U	5	U	5	U
Total Xylenes	5	U	5	U	5	U	5	U	5	U
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -  
 Associated Trip Blank: -

Volatile Organic Aqueous Analysis (ug/L)

Table 2  
Validation / Summary Table

ANALYTE	SOW-02/88	CRQL	JW4204XXX0 1111301 01/15/92 01/22/92	JTR001YXX0 1104603 01/14/92 01/18/92	JTR002BXX0 1106613 01/14/92 01/20/92	JTR003XXX0 1106015 01/14/92 01/20/92	JTR004XXX0 1106614 01/14/92 01/20/92	JTR005XXX0 1109205 01/15/92 01/20/92	JTR006XXX0 1111303 01/15/92 01/22/92	
Chloromethane	10	10	U	U	U	U	U	U	U	
Bromomethane	10	10	U	U	U	U	U	U	U	
Vinyl Chloride	10	10	U	U	U	U	U	U	U	
Chloroethane	10	10	U	U	U	U	U	U	U	
Methylene Chloride	5	5	U	U	U	U	U	U	U	
Acetone	10	10	U	U	U	U	U	U	U	
Carbon Disulfide	5	5	U	U	U	U	U	U	U	
1,1-Dichloroethane	5	5	U	U	U	U	U	U	U	
1,1-Dichloroethane	5	5	U	U	U	U	U	U	U	
1,2-Dichloroethane	5	5	U	U	U	U	U	U	U	
Chloroform	5	5	U	U	U	U	U	U	U	
1,2-Dichloroethane	5	5	U	U	U	U	U	U	U	
2-Butanone	10	10	U	U	U	U	U	U	U	
1,1,1-Trichloroethane	5	5	U	U	U	U	U	U	U	
Carbon Tetrachloride	5	5	U	U	U	U	U	U	U	
Vinyl Acetate	10	10	U	U	U	U	U	U	U	
Bromodichloromethane	5	5	U	U	U	U	U	U	U	
1,2-Dichloropropane	5	5	U	U	U	U	U	U	U	
cis-1,3-Dichloropropene	5	5	U	U	U	U	U	U	U	
Trichloroethene	5	5	U	U	U	U	U	U	U	
Dibromochloromethane	5	5	U	U	U	U	U	U	U	
1,1,2-Trichloroethane	5	5	U	U	U	U	U	U	U	
Benzene	5	5	U	U	U	U	U	U	U	
trans-1,3-Dichloropropene	5	5	U	U	U	U	U	U	U	
Bromoform	5	5	U	U	U	U	U	U	U	
4-Methyl-2-Pentanone	10	10	U	U	U	U	U	U	U	
2-Hexanone	10	10	U	U	U	U	U	U	U	
Tetrachloroethene	5	5	U	U	U	U	U	U	U	
1,1,2,2-Tetrachloroethane	5	5	U	U	U	U	U	U	U	
Toluene	5	5	U	U	U	U	U	U	U	
Chlorobenzene	5	5	U	U	U	U	U	U	U	
Ethylbenzene	5	5	U	U	U	U	U	U	U	
Styrene	5	5	U	U	U	U	U	U	U	
Total Xylenes	5	5	U	U	U	U	U	U	U	
			1.00	1.00	1.00	1.00	1.00	1.00	1.00	
			Dilution Factor:							1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -  
 Associated Trip Blank: -



TABLE 3

Table 3  
Summary Table

ANALYTE	SON-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE ANALYZED:	JMW101AXXO 1106607 01/14/92 01/17/92	JMW101BXXO 1106606 01/14/92 01/17/92	JMW102AXXO 1106612 01/14/92 01/20/92	JMW102BXXO 1106608 01/14/92 01/17/92	JMW103XXXO 1106611 01/14/92 01/17/92	JMW104AXXO 1109202 01/15/92 01/20/92	JMW104BXXO 1109204 01/15/92 01/20/92	JMW105AXXO 1106609 01/14/92 02/05/92
Chloromethane		10									
Bromomethane		10									
Vinyl Chloride		10									
Chloroethane		10									
Methylene Chloride		5									
Acetone		10									
Carbon Disulfide		5				10 B					
1,1-Dichloroethene		5									
1,1-Dichloroethane		5									
1,2-Dichloroethene (total)		5									
Chloroform		5									
1,2-Dichloroethane		5									
2-Butanone		10									
1,1,1-Trichloroethane		5									
Carbon Tetrachloride		5									
Vinyl Acetate		10									
Bromodichloromethane		5									
1,2-Dichloropropane		5									
cis-1,3-Dichloropropene		5									
Trichloroethene		5									
Dibromochloromethane		5									
1,1,2-Trichloroethane		5									
Benzene		5									
trans-1,3-Dichloropropene		5									
Bromoform		5									
4-Methyl-2-Pentanone		10									
2-Hexanone		10									
Tetrachloroethene		5									
1,1,2,2-Tetrachloroethane		5									
Toluene		5									
Chlorobenzene		5									
Ethylbenzene		5									
Styrene		5									
Total Xylenes		5									
			Dilution Factor:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
			Associated Method Blank:								
			Associated Equipment Blank:								
			Associated Field Blank:								
			Associated Trip Blank:								

Table 3  
Summary Table

Volatile Organic Aqueous Analysis (ug/L)

04/10/92

ANALYTE	SOW-02/88	CRQL	JMW1058XXO 1106610 01/14/92 02/05/92	JMW1066XXO 1109203 01/15/92 01/20/92	JMW107AXXO 1111302 01/15/92 01/20/92	JMW107BXXO 1109201 01/15/92 01/20/92	JMW2019XXO 1104601 01/14/92 01/20/92	JMW2022XXO 1104602 01/14/92 01/20/92	JMW2033XXO 1106601 01/14/92 01/20/92	JMW2034XXO 1106602 01/14/92 01/17/92
Chloromethane		10	-	-	-	-	-	-	-	-
Bromomethane		10	-	-	-	-	-	-	-	-
Vinyl Chloride		10	-	-	-	-	-	-	-	-
Chloroethane		10	-	-	-	-	-	-	-	-
Methylene Chloride		5	-	-	-	-	-	-	-	-
Acetone		10	24 B	-	-	-	-	-	11 B	-
Carbon Disulfide		5	-	-	-	-	-	-	-	-
1,1-Dichloroethene		5	-	-	-	-	-	-	-	-
1,1-Dichloroethane		5	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)		5	-	-	-	-	-	-	-	-
Chloroform		5	-	-	-	-	-	-	-	-
1,2-Dichloroethane		5	-	-	-	-	-	-	-	-
2-Butanone		10	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane		5	-	-	-	-	-	-	-	-
Carbon Tetrachloride		5	-	-	-	-	-	-	-	-
Vinyl Acetate		10	-	-	-	-	-	-	-	-
Bromodichloromethane		5	-	-	-	-	-	-	-	-
1,2-Dichloropropane		5	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene		5	-	-	-	-	-	-	-	-
Trichloroethene		5	-	-	-	-	-	-	-	-
Dibromochloromethane		5	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane		5	-	-	-	-	-	-	-	-
Benzene		5	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene		5	-	-	-	-	-	-	-	-
Bromoform		5	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone		10	-	-	-	-	-	-	-	-
2-Hexanone		10	-	-	-	-	-	-	-	-
Tetrachloroethene		5	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane		5	-	-	-	-	-	-	-	-
Toluene		5	-	-	-	-	-	-	-	-
Chlorobenzene		5	-	-	-	-	-	-	-	-
Ethylbenzene		5	-	-	-	-	-	-	-	-
Styrene		5	-	-	-	-	-	-	-	-
Total Xylenes		5	-	-	-	-	-	-	-	-
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Associated Method Blank:			-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-
Associated Trip Blank:			-	-	-	-	-	-	-	-

Table 3  
Summary Table

Volatle Organic Aqueous Analysis (ug/L)

ANALYTE	SOW-02/88	CRQL	JTR001XXXX 1104603 01/14/92 01/18/92	JTR002BXXX 1106613 01/14/92 01/20/92	JTR003XXXX 1106015 01/14/92 01/20/92	JTR004XXXX 1106614 01/14/92 01/20/92	JTR005XXXX 1109205 01/15/92 01/20/92	JTR006XXXX 1111303 01/15/92 01/22/92
Chloromethane	10		-	-	-	-	-	-
Bromomethane	10		-	-	-	-	-	-
Vinyl Chloride	10		-	-	-	-	-	-
Chloroethane	10		-	-	-	-	-	-
Methylene Chloride	5		-	-	-	-	-	-
Acetone	10		-	12 B	-	-	-	-
Carbon Disulfide	5		-	-	-	-	-	-
1,1-Dichloroethane	5		-	-	-	-	-	-
1,1-Dichloroethane	5		-	-	-	-	-	-
1,2-Dichloroethane (total)	5		-	-	-	-	-	-
Chloroform	5		-	-	-	-	-	-
1,2-Dichloroethane	5		-	-	-	-	-	-
2-Butanone	10		-	-	-	-	-	-
1,1,1-Trichloroethane	5		-	-	-	-	-	-
Carbon Tetrachloride	5		-	-	-	-	-	-
Vinyl Acetate	10		-	-	-	-	-	-
Bromodichloromethane	5		-	-	-	-	-	-
1,2-Dichloropropane	5		-	-	-	-	-	-
cis-1,3-Dichloropropene	5		-	-	-	-	-	-
Trichloroethene	5		-	-	-	-	-	-
Dibromochloromethane	5		-	-	-	-	-	-
1,1,2-Trichloroethane	5		-	-	-	-	-	-
Benzene	5		-	-	-	-	-	-
trans-1,3-Dichloropropene	5		-	-	-	-	-	-
Bromoform	5		-	-	-	-	-	-
4-Methyl-2-Pentanone	10		-	-	-	-	-	-
2-Hexanone	10		-	-	-	-	-	-
Tetrachloroethene	5		-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	5		-	-	-	-	-	-
Toluene	5		-	-	-	-	-	-
Chlorobenzene	5		-	-	-	-	-	-
Ethylbenzene	5		-	-	-	-	-	-
Styrene	5		-	-	-	-	-	-
Total Xylenes	5		-	-	-	-	-	-
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00
Associated Method Blank:			-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-
Associated Trip Blank:			-	-	-	-	-	-

**SEMIVOLATILE ORGANIC DATA**

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**E.C. Jordan Co.**

TABLE 1

Semivolatile Organic Aqueous Analysis (ug/L)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOM-02/88	CRQL	JMW201XXXO 1104601 01/14/92 01/16/92 01/31/92	JMW202XXXO 1104602 01/14/92 01/16/92 01/31/92	JMW203XXXO 1106601 01/14/92 01/20/92 01/31/92	JMW203XXXO 1106602 01/14/92 01/20/92 01/31/92
Phenol	10	10	U	U	U	U
bis(2-Chloroethyl) ether	10	10	U	U	U	U
2-Chlorophenol	10	10	U	U	U	U
1,3-Dichlorobenzene	10	10	U	U	U	U
1,4-Dichlorobenzene	10	10	U	U	U	U
Benzyl Alcohol	10	10	U	U	U	U
1,2-Dichlorobenzene	10	10	U	U	U	U
2-Methylphenol	10	10	U	U	U	U
bis(2-Chloroisopropyl) ether	10	10	U	U	U	U
4-Methylphenol	10	10	U	U	U	U
N-Nitroso-di-n-propylamine	10	10	U	U	U	U
Hexachloroethane	10	10	U	U	U	U
Nitrobenzene	10	10	U	U	U	U
Isophorone	10	10	U	U	U	U
2-Nitrophenol	10	10	U	U	U	U
2,4-Dimethylphenol	10	10	U	U	U	U
Benzoic Acid	50	50	U	U	U	U
bis(2-Chloroethoxy)methane	10	10	U	U	U	U
2,4-Dichlorophenol	10	10	U	U	U	U
1,2,4-Trichlorobenzene	10	10	U	U	U	U
Naphthalene	10	10	U	U	U	U
4-Chloroaniline	10	10	U	U	U	U
Hexachlorobutadiene	10	10	U	U	U	U
4-Chloro-3-Methylphenol	10	10	U	U	U	U
2-Methylnaphthalene	10	10	U	U	U	U
Hexachlorocyclopentadiene	10	10	U	U	U	U
2,4,6-Trichlorophenol	10	10	U	U	U	U
2,4,5-Trichlorophenol	50	50	U	U	U	U
2-Chloronaphthalene	10	10	U	U	U	U
2-Nitroaniline	50	50	U	U	U	U
Dimethylphthalate	10	10	U	U	U	U
Acenaphthylene	10	10	U	U	U	U
2,6-Dinitrotoluene	10	10	U	U	U	U

Semivolatile Organic Aqueous Analysis (ug/L)

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JMW201XXXO JMW202XXXO JMW203XXXO JMW203XXXD  
 LAB NUMBER: 1104601 1104602 1106601 1106602  
 DATE SAMPLED: 01/14/92 01/14/92 01/14/92 01/14/92  
 DATE EXTRACTED: 01/16/92 01/16/92 01/20/92 01/20/92  
 DATE ANALYZED: 01/31/92 01/31/92 01/31/92 01/31/92

ANALYTE	SOW-02/88	CRQL	1.00	1.00	1.00	1.00
3-Nitroaniline	50	U	50	U	50	U
Acenaphthene	10	U	10	U	10	U
2,4-Dinitrophenol	50	U	50	U	50	U
4-Nitrophenol	50	U	50	U	50	U
Dibenzofuran	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	10	U
Diethylphthalate	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U
4-Nitroaniline	50	U	50	U	50	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U
N-Nitrosodiphenylamine	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U
Pentachlorophenol	50	U	50	U	50	U
Phenanthrene	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U
Di-n-butylphthalate	10	U	10	U	10	U
Fluoranthene	10	U	10	U	10	U
Pyrene	10	U	10	U	10	U
Butylbenzylphthalate	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U
Benzo(a)Anthracene	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	10	U	10	U	10	U
Di-n-octylphthalate	10	U	10	U	10	U
Benzo(b)Fluoranthene	10	U	10	U	10	U
Benzo(k)Fluoranthene	10	U	10	U	10	U
Benzo(a)Pyrene	10	U	10	U	10	U
Indeno(1,2,3-c,d)Pyrene	10	U	10	U	10	U
Dibenz(a,h)Anthracene	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U

Dilution Factor: 1.00 1.00 1.00 1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -



Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:	JQS002000X	JSB001XXX0
Phenol	10	U	LAB NUMBER:	1048118	1106603
bis(2-Chloroethyl)ether	10	U	DATE SAMPLED:	11/20/91	01/14/92
1-Chlorophenol	10	U	DATE EXTRACTED:	11/25/91	01/20/92
1,3-Dichlorobenzene	10	U	DATE ANALYZED:	12/21/91	01/31/92
1,4-Dichlorobenzene	10	U			
Benzyl Alcohol	10	U			
1,2-Dichlorobenzene	10	U			
2-Methylphenol	10	U			
bis(2-Chloroisopropyl)ether	10	U			
4-Methylphenol	10	U			
N-Nitroso-di-n-propylamine	10	U			
Hexachloroethane	10	U			
Nitrobenzene	10	U			
Isophorone	10	U			
2-Nitrophenol	10	U			
2,4-Dimethylphenol	10	U			
Benzoic Acid	50	U			
bis(2-Chloroethoxy)methane	10	U			
2,4-Dichlorophenol	10	U			
1,2,4-Trichlorobenzene	10	U			
Naphthalene	10	U			
4-Chloroaniline	10	U			
Hexachlorobutadiene	10	U			
4-Chloro-3-Methylphenol	10	U			
2-Methylnaphthalene	10	U			
Hexachlorocyclopentadiene	10	U			
2,4,6-Trichlorophenol	10	U			
2,4,5-Trichlorophenol	50	U			
2-Chloronaphthalene	10	U			
2-Nitroaniline	50	U			
Dimethylphthalate	10	U			
Acenaphthylene	10	U			
2,6-Dinitrotoluene	10	U			

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JQS002000X  
 LAB NUMBER: 1048118  
 DATE SAMPLED: 11/20/91  
 DATE EXTRACTED: 11/25/91  
 DATE ANALYZED: 12/21/91

SAMPLE LOCATION: JSB001XXXO  
 LAB NUMBER: 1106603  
 DATE SAMPLED: 01/14/92  
 DATE EXTRACTED: 01/20/92  
 DATE ANALYZED: 01/31/92

ANALYTE	SOW-02/88	CRQL		
3-Nitroaniline	50	50	U	U
Acenaphthene	10	10	U	U
2,4-Dinitrophenol	50	50	U	U
4-Nitrophenol	50	50	U	U
Dibenzofuran	10	10	U	U
2,4-Dinitrotoluene	10	10	U	U
Diethylphthalate	10	10	U	U
4-Chlorophenyl-phenylether	10	10	U	U
Fluorene	10	10	U	U
4-Nitroaniline	50	50	U	U
4,6-Dinitro-2-methylphenol	50	50	U	U
N-Nitrosodiphenylamine	10	10	U	U
4-Bromophenyl-phenylether	10	10	U	U
Hexachlorobenzene	10	10	U	U
Pentachlorophenol	50	50	U	U
Phenanthrene	10	10	U	U
Anthracene	10	10	U	U
Di-n-butylphthalate	10	10	U	U
Fluoranthene	10	10	U	U
Pyrene	10	10	U	U
Butylbenzylphthalate	10	10	U	U
3,3'-Dichlorobenzidine	20	20	U	U
Benzo(a)Anthracene	10	10	U	U
Chrysene	10	10	U	U
bis(2-Ethylhexyl)phthalate	10	10	U	U
Di-n-octylphthalate	10	3 BJ	U	U
Benzo(b)Fluoranthene	10	10	U	U
Benzo(k)Fluoranthene	10	10	U	U
Benzo(a)Pyrene	10	10	U	U
Indeno(1,2,3-c,d)Pyrene	10	10	U	U
Dibenzo(a,h)Anthracene	10	10	U	U
Benzo(g,h,i)perylene	10	10	U	U

Dilution Factor: 1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

TABLE 2



Semivolatile Organic Aqueous Analysis (ug/L)

Table 2  
Validation / Summary Table

ANALYTE	SOW-02/88	CRQL	JMW201XXXXO LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JMW202XXXXO 1104602 01/14/92 01/16/92 01/31/92	JMW203XXXXO 1106601 01/14/92 01/20/92 01/31/92	JMW203XXXXO 1106602 01/14/92 01/20/92 01/31/92
3-Nitroaniline	50	U	50	U	50	U
Acenaphthene	10	U	10	U	10	U
2,4-Dinitrophenol	50	U	50	U	50	U
4-Nitrophenol	50	U	50	U	50	U
Dibenzofuran	10	U	10	U	10	U
2,4-Dinitrotoluene	10	U	10	U	10	U
Diethylphthalate	10	U	10	U	10	U
4-Chlorophenyl-phenylether	10	U	10	U	10	U
Fluorene	10	U	10	U	10	U
4-Nitroaniline	10	U	10	U	10	U
4,6-Dinitro-2-methylphenol	50	U	50	U	50	U
N-Nitrosodiphenylamine	10	U	10	U	10	U
4-Bromophenyl-phenylether	10	U	10	U	10	U
Hexachlorobenzene	10	U	10	U	10	U
Pentachlorophenol	50	U	50	U	50	U
Phenanthrene	10	U	10	U	10	U
Anthracene	10	U	10	U	10	U
Di-n-butylphthalate	10	U	10	U	10	U
Fluoranthene	10	U	10	U	10	U
Pyrene	10	U	10	U	10	U
Butylbenzylphthalate	10	U	10	U	10	U
3,3'-Dichlorobenzidine	20	U	20	U	20	U
Benzo(a)Anthracene	10	U	10	U	10	U
Chrysene	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	10	U	10	U	10	U
Di-n-octylphthalate	10	U	10	U	10	U
Benzo(b)Fluoranthene	10	U	10	U	10	U
Benzo(k)Fluoranthene	10	U	10	U	10	U
Benzo(a)Pyrene	10	U	10	U	10	U
Indeno(1,2,3-c,d)Pyrene	10	U	10	U	10	U
Dibenz(a,h)Anthracene	10	U	10	U	10	U
Benzo(g,h,i)perylene	10	U	10	U	10	U
Dilution Factor: 1.00 1.00 1.00 1.00						

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

TABLE 3

Semivolatile Organic Aqueous Analysis (ug/L)

Table 3  
Summary Table

ANALYTE	SOM-02/88	CRQL	JMW201XXXX	JMW202XXXX	JMW203XXXX	JMW203XXXX
Phenol	10	-	1104601	1104602	1106601	1106602
bis(2-Chloroethyl)ether	10	-	01/14/92	01/14/92	01/14/92	01/14/92
2-Chlorophenol	10	-	01/16/92	01/16/92	01/20/92	01/20/92
1,3-Dichlorobenzene	10	-	01/31/92	01/31/92	01/31/92	01/31/92
1,4-Dichlorobenzene	10	-				
Benzyl Alcohol	10	-				
1,2-Dichlorobenzene	10	-				
2-Methylphenol	10	-				
bis(2-Chloroisopropyl)ether	10	-				
4-Methylphenol	10	-				
N-Nitroso-di-n-propylamine	10	-				
Hexachloroethane	10	-				
Nitrobenzene	10	-				
Isophorone	10	-				
2-Nitrophenol	10	-				
2,4-Dimethylphenol	10	-				
Benzoic Acid	50	-				
bis(2-Chloroethoxy)methane	10	-				
2,4-Dichlorophenol	10	-				
1,2,4-Trichlorobenzene	10	-				
Naphthalene	10	-				
4-Chloroaniline	10	-				
Hexachlorobutadiene	10	-				
4-Chloro-3-Methylphenol	10	-				
2-Methylnaphthalene	10	-				
Hexachlorocyclopentadiene	10	-				
2,4,6-Trichlorophenol	10	-				
2,4,5-Trichlorophenol	50	-				
2-Chloronaphthalene	10	-				
2-Nitroaniline	50	-				
Dimethylphthalate	10	-				
Acenaphthylene	10	-				
2,6-Dinitrotoluene	10	-				

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JMW201XXX0 1104601 01/14/92 01/16/92 01/31/92	JMW202XXX0 1104602 01/14/92 01/16/92 01/31/92	JMW203XXX0 1106601 01/14/92 01/20/92 01/31/92	JMW203XXX0 1106602 01/14/92 01/20/92 01/31/92
3-Nitroaniline	50						
Acenaphthene	10						
2,4-Dinitrophenol	50						
4-Nitrophenol	50						
Dibenzofuran	10						
2,4-Dinitrotoluene	10						
Diethylphthalate	10						
4-Chlorophenyl-phenylether	10						
Fluorene	10						
4-Nitroaniline	50						
4,6-Dinitro-2-methylphenol	50						
N-Nitrosodiphenylamine	10						
4-Bromophenyl-phenylether	10						
Hexachlorobenzene	10						
Pentachlorophenol	50						
Phenanthrene	10						
Anthracene	10						
Di-n-butylphthalate	10						
Fluoranthene	10						
Pyrene	10						
Butylbenzylphthalate	10						
3,3'-Dichlorobenzidine	20						
Benzo(a)Anthracene	10						
Chrysene	10						
bis(2-Ethylhexyl)phthalate	10			10			
Di-n-octylphthalate	10						
Benzo(b)Fluoranthene	10						
Benzo(k)Fluoranthene	10						
Benzo(a)Pyrene	10						
Indeno(1,2,3-c,d)Pyrene	10						
Dibenzo(a,h)Anthracene	10						
Benzo(g,h,i)perylene	10						
Dilution Factor: 1.00 1.00 1.00 1.00 1.00							
Associated Method Blank: - - - - -							
Associated Equipment Blank: - - - - -							
Associated Field Blank: - - - - -							



**PESTICIDE AND POLYCHLORINATED BIPHENYL DATA**

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**E.C. Jordan Co.**

TABLE 1

Pesticides/PCBs Aqueous Analysis (ug/L)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:				Dilution Factor:
			LAB NUMBER:	DATE SAMPLED:	DATE EXTRACTED:	DATE ANALYZED:	
alpha-BHC	0.05	U	JMW101AXXO	1106607	01/14/92	02/05/92	1.00
beta-BHC	0.05	U	JMW101BXXO	1106606	01/17/92	02/05/92	1.00
delta-BHC	0.05	U	JMW102AXXO	1106612	01/17/92	02/05/92	1.00
gamma-BHC (Lindane)	0.05	U	JMW102BXXO	1106608	01/14/92	01/17/92	1.00
Heptachlor	0.05	U	JMW103XXXO	1106611	01/14/92	01/17/92	1.00
Aldrin	0.05	U	JMW104AXXO	1109202	01/15/92	01/20/92	1.00
Heptachlor Epoxide	0.05	U	JMW104BXXO	1109204	01/15/92	01/20/92	1.00
Endosulfan I	0.05	U	JMW105AXXO	1106609	01/14/92	01/17/92	1.00
Dieldrin	0.1	U					
4,4'-DDE	0.1	U					
Endrin	0.1	U					
Endosulfan II	0.1	U					
4,4'-DDD	0.1	U					
Endosulfan Sulfate	0.1	U					
4,4'-DDT	0.1	U					
Methoxychlor	0.1	U					
Endrin ketone	0.5	U					
alpha-Chlordane	0.5	U					
gamma-Chlordane	0.5	U					
Toxaphene	1	U					
Aroclor-1016	0.5	U					
Aroclor-1221	0.5	U					
Aroclor-1232	0.5	U					
Aroclor-1242	0.5	U					
Aroclor-1248	0.5	U					
Aroclor-1254	1	U					
Aroclor-1260	1	U					

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

Pesticides/PCBs Aqueous Analysis (ug/L)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	JMW105BXX0 1106610 01/14/92 01/17/92 02/05/92	JMW106XXX0 1109203 01/15/92 01/20/92 02/05/92	JMW107AXX0 1111302 01/15/92 01/21/92 02/05/92	JMW107BXX0 1109201 01/15/92 01/20/92 02/05/92	JMW201XXX0 1104601 01/14/92 01/16/92 02/04/92	JMW202XXX0 1104602 01/14/92 01/16/92 02/04/92	JMW203XXX0 1106601 01/14/92 01/17/92 02/04/92	JMW203XXX0 1106602 01/14/92 01/17/92 02/04/92
alpha-BHC	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
beta-BHC	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
delta-BHC	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
gamma-BHC (Lindane)	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Heptachlor	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Aldrin	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Heptachlor Epoxide	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Endosulfan I	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Endosulfan II	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4,4'-DDE	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Endosulfan II	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4,4'-DDD	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Endosulfan Sulfate	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4,4'-DDT	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Methoxychlor	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Endrin Ketone	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
alpha-Chlordane	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
gamma-Chlordane	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Toxaphene	1	U	1	1	1	1	1	1	1	1
Aroclor-1016	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1221	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1232	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1242	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1248	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1254	1	U	1	1	1	1	1	1	1	1
Aroclor-1260	1	U	1	1	1	1	1	1	1	1
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JMW204XXXO  
 LAB NUMBER: 1111301  
 DATE SAMPLED: 01/15/92  
 DATE EXTRACTED: 01/21/92  
 DATE ANALYZED: 02/05/92

ANALYTE	SOW-02/88	CRQL
alpha-BHC	0.05	0.05 U
beta-BHC	0.05	0.05 U
delta-BHC	0.05	0.05 U
gamma-BHC (Lindane)	0.05	0.05 U
Heptachlor	0.05	0.05 U
Aldrin	0.05	0.05 U
Heptachlor Epoxide	0.05	0.05 U
Endosulfan I	0.05	0.05 U
Dieldrin	0.1	0.1 U
4,4'-DDE	0.1	0.1 U
Endrin	0.1	0.1 U
Endosulfan II	0.1	0.1 U
4,4'-DDD	0.1	0.1 U
Endosulfan Sulfate	0.1	0.1 U
4,4'-DDT	0.1	0.1 U
Methoxychlor	0.5	0.5 U
Endrin Ketone	0.1	0.1 U
alpha-Chlordane	0.5	0.5 U
gamma-Chlordane	0.5	0.5 U
Toxaphene	1	1 U
Aroclor-1016	0.5	0.5 U
Aroclor-1221	0.5	0.5 U
Aroclor-1232	0.5	0.5 U
Aroclor-1242	0.5	0.5 U
Aroclor-1248	0.5	0.5 U
Aroclor-1254	1	1 U
Aroclor-1260	1	1 U

Dilution Factor: 1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

Pesticides/PCBs Aqueous Analysis (ug/L)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOH-02/88	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JQS001000X 104527 11/15/91 11/21/91 12/16/91	JQS002000X 1048118 11/20/91 11/25/91 12/21/91	JSB001XXXO 1106603 01/16/92 01/17/92 02/05/92
alpha-BHC	0.05		0.05	U	0.05	U
beta-BHC	0.05		0.05	U	0.05	U
delta-BHC	0.05		0.05	U	0.05	U
gamma-BHC (Lindane)	0.05		0.05	U	0.05	U
Heptachlor	0.05		0.05	U	0.05	U
Aldrin	0.05		0.05	U	0.05	U
Heptachlor Epoxide	0.05		0.05	U	0.05	U
Endosulfan I	0.05		0.05	U	0.05	U
Dieldrin	0.1		0.1	U	0.1	U
4,4'-DDE	0.1		0.1	U	0.1	U
Endrin	0.1		0.1	U	0.1	U
Endosulfan II	0.1		0.1	U	0.1	U
4,4'-DDD	0.1		0.1	U	0.1	U
Endosulfan Sulfate	0.1		0.1	U	0.1	U
4,4'-DDT	0.1		0.1	U	0.1	U
Methoxychlor	0.5		0.5	U	0.5	U
Endrin Ketone	0.1		0.1	U	0.1	U
alpha-Chlordane	0.5		0.5	U	0.5	U
gamma-Chlordane	0.5		0.5	U	0.5	U
Toxaphene	1		1	U	1	U
Aroclor-1016	0.5		0.5	U	0.5	U
Aroclor-1221	0.5		0.5	U	0.5	U
Aroclor-1232	0.5		0.5	U	0.5	U
Aroclor-1242	0.5		0.5	U	0.5	U
Aroclor-1248	0.5		0.5	U	0.5	U
Aroclor-1254	1		1	U	1	U
Aroclor-1260	1		1	U	1	U
Dilution Factor:			1.00	1.00	1.00	1.00

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

TABLE 2

Pesticides/PCBs Aqueous Analysis (ug/L)

Table 2  
Validation / Summary Table

ANALYTE	SOW-02/88	CRQL	JMW101AXXO 1106607 01/14/92 01/17/92 02/05/92	JMW101BXXO 1106606 01/14/92 01/17/92 02/05/92	JMW102AXXO 1106612 01/14/92 01/17/92 02/05/92	JMW102BXXO 1106608 01/14/92 01/17/92 02/05/92	JMW103XXXO 1106611 01/14/92 01/17/92 02/05/92	JMW104AXXO 1109202 01/15/92 01/20/92 02/05/92	JMW104BXXO 1109204 01/15/92 01/20/92 02/05/92	JMW105AXXO 1106609 01/14/92 01/17/92 02/05/92
alpha-BHC	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
beta-BHC	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
delta-BHC	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
gamma-BHC (Lindane)	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Heptachlor	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Aldrin	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Heptachlor Epoxide	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Endosulfan I	0.05	U	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Dieldrin	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4,4'-DDE	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Endrin	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Endosulfan II	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4,4'-DDD	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Endosulfan Sulfate	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4,4'-DDT	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Methoxychlor	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Endrin Ketone	0.1	U	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
alpha-Chlordane	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
gamma-Chlordane	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Toxaphene	1	U	1	1	1	1	1	1	1	1
Aroclor-1016	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1221	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1232	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1242	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1248	0.5	U	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aroclor-1254	1	U	1	1	1	1	1	1	1	1
Aroclor-1260	1	U	1	1	1	1	1	1	1	1
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -



Pesticides/PCBs Aqueous Analysis (ug/L)

Table 2  
Validation / Summary Table

ANALYTE	SOW-02/88	CRQL	JMW105BXXO LAB NUMBER: 1106610 DATE SAMPLED: 01/14/92 DATE EXTRACTED: 01/17/92 DATE ANALYZED: 02/05/92	JMW106AXXO LAB NUMBER: 1109203 DATE SAMPLED: 01/15/92 DATE EXTRACTED: 01/20/92 DATE ANALYZED: 02/05/92	JMW107AXXO LAB NUMBER: 1111302 DATE SAMPLED: 01/15/92 DATE EXTRACTED: 01/21/92 DATE ANALYZED: 02/05/92	JMW107BXXO LAB NUMBER: 1109201 DATE SAMPLED: 01/15/92 DATE EXTRACTED: 01/20/92 DATE ANALYZED: 02/05/92	JMW2011XXO LAB NUMBER: 1104601 DATE SAMPLED: 01/14/92 DATE EXTRACTED: 01/16/92 DATE ANALYZED: 02/04/92	JMW202XXO LAB NUMBER: 1104602 DATE SAMPLED: 01/14/92 DATE EXTRACTED: 01/16/92 DATE ANALYZED: 02/04/92	JMW203XXO LAB NUMBER: 11069601 DATE SAMPLED: 01/14/92 DATE EXTRACTED: 01/17/92 DATE ANALYZED: 02/04/92	JMW203XXO LAB NUMBER: 1106602 DATE SAMPLED: 01/14/92 DATE EXTRACTED: 01/17/92 DATE ANALYZED: 02/04/92
alpha-BHC	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05		0.05 U	0.05 U	1.2 T	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan Sulfate	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin Ketone	0.1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1016	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1248	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 2  
Validation / Summary Table

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:
alpha-BHC	0.05	0.05	JW4204XXXO
beta-BHC	0.05	0.05	1111301
delta-BHC	0.05	0.05	01/15/92
gamma-BHC (Lindane)	0.05	0.05	01/21/92
Heptachlor	0.05	0.05	02/05/92
Aldrin	0.05	0.05	
Heptachlor Epoxide	0.05	0.05	
Endosulfan I	0.05	0.05	
Diieldrin	0.1	0.1	
4,4'-DDE	0.1	0.1	
Endrin	0.1	0.1	
Endosulfan II	0.1	0.1	
4,4'-DDD	0.1	0.1	
Endosulfan Sulfate	0.1	0.1	
4,4'-DDT	0.1	0.1	
Methoxychlor	0.5	0.5	
Endrin Ketone	0.1	0.1	
alpha-Chlordane	0.5	0.5	
gamma-Chlordane	0.5	0.5	
Toxaphene	1	1	
Aroclor-1016	0.5	0.5	
Aroclor-1221	0.5	0.5	
Aroclor-1232	0.5	0.5	
Aroclor-1242	0.5	0.5	
Aroclor-1248	0.5	0.5	
Aroclor-1254	1	1	
Aroclor-1260	1	1	
Dilution Factor:			1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

TABLE 3

Table 3  
Summary Table

ANALYTE	CONC	SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:	
		LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:
alpha-BHC	0.05	JMU101AXX0	01/14/92	JMU101BXX0	01/14/92	JMU102AXX0	01/14/92	JMU102BXX0	01/14/92	JMU103XX0	01/14/92	JMU104AXX0	01/15/92	JMU104BXX0	01/15/92
beta-BHC	0.05	JMU101AXX0	01/17/92	JMU101BXX0	01/17/92	JMU102AXX0	01/17/92	JMU102BXX0	01/17/92	JMU103XX0	01/17/92	JMU104AXX0	01/20/92	JMU104BXX0	01/20/92
gamma-BHC (Lindane)	0.05	JMU101AXX0	02/05/92	JMU101BXX0	02/05/92	JMU102AXX0	02/05/92	JMU102BXX0	02/05/92	JMU103XX0	02/05/92	JMU104AXX0	02/05/92	JMU104BXX0	02/05/92
Heptachlor	0.05														
Aldrin	0.05														
Heptachlor Epoxide	0.05														
Endosulfan I	0.05														
Dieldrin	0.1														
4,4'-DDE	0.1														
Endosulfan II	0.1														
4,4'-DDD	0.1														
Endosulfan Sulfate	0.1														
4,4'-DDT	0.1														
Methoxychlor	0.5														
Endrin Ketone	0.1														
alpha-Chlordane	0.5														
gamma-Chlordane	0.5														
Toxaphene	1														
Aroclor-1016	0.5														
Aroclor-1221	0.5														
Aroclor-1232	0.5														
Aroclor-1242	0.5														
Aroclor-1248	0.5														
Aroclor-1254	1														
Aroclor-1260	1														
Dilution Factor:		1.00		1.00		1.00		1.00		1.00		1.00		1.00	

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:



Table 3  
Summary Table

SAMPLE LOCATION: JMW204XXX0  
 LAB NUMBER: 1111301  
 DATE SAMPLED: 01/15/92  
 DATE EXTRACTED: 01/21/92  
 DATE ANALYZED: 02/05/92

ANALYTE	SO4-02/88	CRQL
alpha-BHC	0.05	-
beta-BHC	0.05	-
delta-BHC	0.05	-
gamma-BHC (Lindane)	0.05	-
Heptachlor	0.05	-
Aldrin	0.05	-
Heptachlor Epoxide	0.05	-
Endosulfan I	0.05	-
Dieldrin	0.1	-
4,4'-DDE	0.1	-
Endrin	0.1	-
Endosulfan II	0.1	-
4,4'-DDD	0.1	-
Endosulfan Sulfate	0.1	-
4,4'-DBT	0.1	-
Methoxychlor	0.5	-
Endrin Ketone	0.1	-
alpha-Chlordane	0.5	-
gamma-Chlordane	0.5	-
Toxaphene	1	-
Arroclor-1016	0.5	-
Arroclor-1221	0.5	-
Arroclor-1232	0.5	-
Arroclor-1242	0.5	-
Arroclor-1248	0.5	-
Arroclor-1254	1	-
Arroclor-1260	1	-

Dilution Factor: 1.00

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

TABLE 1

**INORGANIC DATA**

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**E.C. Jordan Co.**



Table 1  
Laboratory Report of Analysis

ANALYTE	SOM-2/88	CRQL	JMW101AXX0 066-07 01/14/92	JMW101BXX0 066-06 01/14/92	JMW102AXX0 066-12 01/14/92	JMW102BXX0 066-08 01/14/92	JMW103XXX0 066-11 01/14/92	JMW104AXX0 092-02 01/15/92	JMW104BXX0 092-04 01/15/92	JMW105AXX0 066-09 01/14/92
Aluminum	200		8780	15400	34.1	586	985	10000	347	55.0
Antimony	60		42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U
Arsenic	10		5.0 UW	5.0 U	5.0 U	5.0 UW	5.0 U	5.0 UEN	5.0 UN	5.0 UW
Barium	200		165 □	283	58.5 □	41.5 □	185 □	185 □	261	58.5 □
Beryllium	5		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cadmium	5		4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Calcium	5000		77500	109000	30000	49600	79000	85600	68800	47500
Chromium	10		43.0	53.0	9.1 U	9.1 U	9.1 U	49.1 *	10.4 *	9.1 U
Cobalt	50		10.4 U	12.3 □	10.4 U	10.4 U	10.4 U	10.4 U	10.4 U	10.4 U
Copper	25		29.9	77.8	5.0 U	5.0 U	12.0 □	21.6 □	7.7 □	5.0 U
Iron	100		12700	22200	338	775	1730	17200	2590	1060
Lead	3		13.0	17.8	3.0 U	3.0 UW	3.0 U	11.9 S	3.0 U	3.0 U
Magnesium	5000		31100	46700	13300	21200	30200	44800	26400	22200
Manganese	15		275	884	18.7	28.9	84.2	347	1320	27.2
Mercury	0.2		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	40		45.6	45.6	21.5 U	21.5 U	21.5 U	21.5 U	21.5 U	21.5 U
Potassium	5000		3220 □	4540 □	1930 □	1450 U	1450 U	5830	1450 U	1450 U
Selenium	5		25.0 UW	5.0 UW	5.0 U	25.0 U	25.0 U	25.0 U	5.0 U	25.0 U
Silver	10		5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	6.4 □	5.7 U
Sodium	5000		8600	8290	3500 □	4450 U	2770 □	15000	47600	6650
Thallium	10		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UN	5.0 UN	5.0 U
Vanadium	50		8.2 □	24.7 □	7.9 U	7.9 U	7.9 U	19.8 □	7.9 U	7.9 U
Zinc	20		853	62.1	5.3 U	49.1	11.0 □	24200 *	6.6 □ *	41.4
Cyanide	10		NR	NR	NR	NR	NR	NR	NR	NR

Associated Method Blank: - - -  
 Associated Equipment Blank: - - -  
 Associated Field Blank: - - -

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JMW105BXXO JMW106XXXO JMW107AXXO JMW107BXXO JMW201XXXO JMW202XXXO JMW203XXXO JMW203XXXD  
 LAB NUMBER: 066-10 092-03 113-02 092-01 046-01 046-02 066-01 066-02  
 DATE SAMPLED: 01/14/92 01/15/92 01/15/92 01/15/92 01/14/92 01/14/92 01/14/92 01/14/92

ANALYTE	SOW-2/88	CRQL	8810	65900	2460	106	104	1710	800
Aluminum	45300	200	8810	65900	2460	106	104	1710	800
Antimony	42.2 U	60	42.2 U	42.2 U	47.0 U	42.2 U	42.2 U	42.2 U	42.2 U
Arsenic	5.0 UN	10	5.0 UN	19.7 N	5.0 UN	5.0 U	5.0 U	5.0 U	5.0 U
Barium	986	200	197 U	894	506	122 U	35.4 U	174 U	154 U
Beryllium	2.5 U	5	2.5 U	4.4 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cadmium	4.1 U	5	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Calcium	274000	5000	91000	253000	38900	53500	88500	73900	68500
Chromium	77.8	10	34.6 *	146 *	9.1 U*	9.1 U	9.1 U	43.6	38.9
Cobalt	30.7 U	50	10.4 U	48.1 U	10.4 U	10.4 U	18.4 U	10.4 U	10.4 U
Copper	73.3	25	17.0 U	392	9.2 U	5.0 U	20.9 U	29.9	28.4
Iron	73700	100	14400	101000	4480	143	191	2990	1760
Lead	41.6 S	3	8.4	47.1	3.1	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	101000	5000	24000	106000	19000	23200	43700	29500	27400
Manganese	1620	15	439	2590	225	341	370	101	61.3
Mercury	0.20 U	0.2	0.20 U	0.56	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	87.9	40	27.5 U	321	38.5 U	21.5 U	29.3 U	34.7 U	21.5 U
Potassium	12000	5000	3640 U	25100	3440 U	1820 U	1450 U	1450 U	1450 U
Selenium	25.0 UN	5	5.0 UN	25.0 UN	5.0 UN	5.0 U	5.0 UN	5.0 U	5.0 U
Silver	5.7 U	10	5.7 U	5.7 U	5.7 U	29.9	5.7 U	5.8 U	5.7 U
Sodium	11000	5000	9020	19700	81000	3230 U	14100	2260 U	2110 U
Thallium	5.0 UN	10	5.0 UN	5.0 UN	5.0 UN	5.0 U	5.0 U	5.0 U	5.0 U
Vanadium	87.7	50	14.7 U	102	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
Zinc	355	20	42.3 *	2830 *	12.3 U*	5.3 U	23.2	22.7	16.6 U
Cyanide	NR	10	NR	NR	NR	NR	NR	NR	NR

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

PROJECT: North Lawrence

Inorganic Aqueous Analysis (ug/L)

11/02/92

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JMW204XXX0  
LAB NUMBER: 113-01  
DATE SAMPLED: 01/15/92

ANALYTE	SOW-2/88	CRQL	25700	E*
Aluminum	200		54.2	U
Antimony	60		5.0	UN
Arsenic	10		518	
Barium	200		2.5	U
Beryllium	5		4.1	U
Cadmium	5		89400	*
Calcium	5000		67.1	
Chromium	10		21.1	U
Cobalt	50		58.6	
Copper	25		32000	
Iron	100		12.5	
Lead	3		44100	
Magnesium	5000		887	
Manganese	15		0.20	U
Mercury	0.2		124	
Nickel	40		10500	
Potassium	5000		25.0	UN
Selenium	5		5.7	U
Silver	10		43600	
Sodium	5000		5.0	UN
Thallium	10		58.8	
Vanadium	50		110	*
Zinc	20		NR	
Cyanide	10			

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

TABLE 2

Table 2  
Validation / Summary Table

ANALYTE	SOW-2/88	CRQL	JMW101AXXO 066-07 01/14/92	JMW101BXXO 066-06 01/14/92	JMW102AXXO 066-12 01/14/92	JMW102BXXO 066-08 01/14/92	JMW103XXXO 066-11 01/14/92	JMW104AXXO 092-02 01/15/92	JMW104BXXO 092-04 01/15/92	JMW105AXXO 066-09 01/14/92
Aluminum	200	200	8780	15400	34.1	586	985	10000	347	55.0
Antimony	60	60	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U	42.2 U
Arsenic	10	10	5.0 UW	5.0 U	5.0 U	5.0 UW	5.0 UW	5.0 UEN	5.0 UN	5.0 UW
Barium	200	200	165 U	283 U	58.5 U	41.5 U	185 U	185 U	261 U	58.5 U
Beryllium	5	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cadmium	5	5	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Calcium	5000	5000	77500	109000	30000	49600	79000	85600	68800	47500
Chromium	10	10	43.0 U	53.0 U	9.1 U	9.1 U	9.1 U	49.1 *	10.4 *	9.1 U
Cobalt	50	50	10.4 U	12.3 U	10.4 U	10.4 U	10.4 U	10.4 U	10.4 U	10.4 U
Copper	25	25	29.9 U	77.8 U	5.0 U	5.0 U	12.0 U	21.6 U	7.7 U	5.0 U
Iron	100	100	12700	22200	358 U	775 U	1730 U	17200	2590 U	1060 U
Lead	3	3	13.0 U	17.8 U	3.0 U	3.0 UW	3.0 U	11.9 S	3.0 U	3.0 U
Magnesium	5000	5000	31100	46700	13300	21200	30200	44800	26400	22200
Manganese	15	15	275 U	884 U	18.7 U	28.9 U	84.2 U	347 U	1320 U	27.2 U
Mercury	0.2	0.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	40	40	45.6 U	45.6 U	21.5 U	21.5 U	21.5 U	21.5 U	21.5 U	21.5 U
Potassium	5000	5000	3220 U	4540 U	1930 U	1450 U	1450 U	5830 U	1450 U	1450 U
Selenium	5	5	25.0 UW	5.0 UW	5.0 U	25.0 U	25.0 U	25.0 U	5.0 U	25.0 U
Silver	10	10	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	6.4 U	5.7 U
Sodium	5000	5000	8600	8290	3500 U	4430 U	2770 U	15000	47600	6650 U
Thallium	10	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UN	5.0 UN	5.0 U
Vanadium	50	50	8.2 U	24.7 U	7.9 U	7.9 U	7.9 U	19.8 U	7.9 U	7.9 U
Zinc	20	20	853 U	62.1 U	5.3 U	49.1 U	11.0 U	24200 *	6.6 U	41.4 U
Cyanide	10	10	NR	NR	NR	NR	NR	NR	NR	NR

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

Table 2  
Validation / Summary Table

ANALYTE	SOM-2/88	CRQL	JMW105BXX0 066-10 01/14/92	JMW106BXX0 092-03 01/15/92	JMW107AXX0 113-02 01/15/92	JMW107BXX0 092-01 01/15/92	JMW201BXX0 046-01 01/14/92	JMW202BXX0 046-02 01/14/92	JMW203BXX0 066-01 01/14/92	JMW203BXX0 066-02 01/14/92
Aluminum	200	45300	42.2 U	8810 E*	65900 E*	2460 E*	106 □	104 □	1710	800
Antimony	60	42.2 U	42.2 U	42.2 U	42.2 U	47.0 □	42.2 U	42.2 U	42.2 U	42.2 U
Arsenic	10	5.0 UW	5.0 UN	5.0 UN	19.7 N	5.0 UN	5.0 U	5.0 U	5.0 U	5.0 U
Barium	200	986	197 □	197 □	894	506	122 □	35.4 □	174 □	154 □
Beryllium	5	2.5 U	2.5 U	2.5 U	4.4 □	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cadmium	5	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Calcium	5000	274000	91000	91000	253000	38900	53500	88500	73900	68500
Chromium	10	77.8	34.6 *	34.6 *	146 *	9.1 U*	9.1 U	9.1 U	43.6	38.9
Cobalt	50	30.7 □	10.4 U	10.4 U	48.1 □	10.4 U	10.4 U	18.4 □	10.4 U	10.4 U
Copper	25	73.3	17.0 □	17.0 □	392	9.2 □	5.0 U	20.9 □	29.9	28.4
Iron	100	73700	14400	14400	101000	4480	143	191	2990	1760
Lead	3	41.6 S	8.4	8.4	47.1	3.1 W	3.0 U	3.0 U	3.0 UW	3.0 U
Magnesium	5000	101000	24000	24000	106000	19000	23200	43700	29500	27400
Manganese	15	1620	439	439	2590	225	341	370	101	61.3
Mercury	0.2	0.20 U	0.20 U	0.20 U	0.56	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	40	87.9	27.5 □	27.5 □	321	38.5 □	21.5 U	29.3 □	34.7 □	21.5 U
Potassium	5000	12000	3640 □	3640 □	25100	3440 □	1820 □	1450 U	1450 U	1450 U
Selenium	5	25.0 UW	5.0 UW	5.0 UW	25.0 UN	5.0 UW	5.0 U	5.0 UW	5.0 U	5.0 U
Silver	10	5.7 U	5.7 U	5.7 U	5.7 U	5.7 U	29.9	5.7 U	5.8 □	5.7 U
Sodium	5000	11000	9020 UN	9020 UN	19700	81000	3230 □	14100 □	2260 □	2110 □
Thallium	10	5.0 UW	5.0 UN	5.0 UN	5.0 UN	5.0 UN	5.0 U	5.0 U	5.0 U	5.0 U
Vanadium	50	87.7	14.7 □	14.7 □	102	7.9 U	7.9 U	7.9 U	7.9 U	7.9 U
Zinc	20	355	42.3 *	42.3 *	2830 *	12.3 □*	5.3 U	23.2	22.7	16.6 □
Cyanide	10	NR	NR	NR	NR	NR	NR	NR	NR	NR

Associated Method Blank: - - -  
 Associated Equipment Blank: - - -  
 Associated Field Blank: - - -

Table 2  
Validation / Summary Table

SAMPLE LOCATION: JMW204XXX0  
 LAB NUMBER: 113-01  
 DATE SAMPLED: 01/15/92

ANALYTE	SOW-2/88	CRQL	
Aluminum	200	25700	E*
Antimony	60	54.2	□
Arsenic	10	5.0	UN
Barium	200	518	
Beryllium	5	2.5	U
Cadmium	5	4.1	U
Calcium	5000	89400	
Chromium	10	67.1	*
Cobalt	50	21.1	□
Copper	25	58.6	
Iron	100	32000	
Lead	3	12.5	
Magnesium	5000	44100	
Manganese	15	887	
Mercury	0.2	0.20	U
Nickel	40	124	
Potassium	5000	10500	
Selenium	5	25.0	UW
Silver	10	5.7	U
Sodium	5000	43600	
Thallium	10	5.0	UN
Vanadium	50	58.8	
Zinc	20	110	*
Cyanide	10	NR	

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

TABLE 3



ANALYTE	SOM-2/88	CRQL	JMW101AXX0 066-07 01/14/92	JMW101BXX0 066-06 01/14/92	JMW102AXX0 066-12 01/14/92	JMW102BXX0 066-08 01/14/92	JMW103XXX0 066-11 01/14/92	JMW104AXX0 092-02 01/15/92	JMW104BXX0 092-04 01/15/92	JMW105AXX0 066-09 01/14/92
Aluminum	200		8780	15400		586	985	10000	347	
Antimony	60									
Arsenic	10									
Barium	200			283					261	
Beryllium	5									
Cadmium	5									
Calcium	5000		77500	109000	30000	49600	79000	85600	68800	47500
Chromium	10		43.0	53.0				49.1	10.4	*
Cobalt	50									
Copper	25		29.9	77.8						
Iron	100		12700	22200	338	775	1730	17200	2590	1060
Lead	3		13.0	17.8				11.9		
Magnesium	5000		31100	46700	13300	21200	30200	44800	26400	22200
Manganese	15		275	884	18.7	28.9	84.2	347	1320	27.2
Mercury	0.2									
Nickel	40		45.6	45.6						
Potassium	5000							5830		
Selenium	5									
Silver	10									
Sodium	5000		8600	8290				15000	47600	6650
Thallium	10									
Vanadium	50									
Zinc	20		853	62.1		49.1		24200		41.4
Cyanide	10		NR	NR	NR	NR	NR	NR	NR	NR

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

Table 3  
Summary Table

SAMPLE LOCATION: JMW105BXXO  
 LAB NUMBER: 066-10  
 DATE SAMPLED: 01/14/92

JMW203XXXO  
 066-02  
 01/14/92

JMW203XXXO  
 066-01  
 01/14/92

JMW202XXXO  
 046-02  
 01/14/92

JMW201XXXO  
 046-01  
 01/14/92

JMW107BXXO  
 092-01  
 01/15/92

JMW107AXXO  
 113-02  
 01/15/92

JMW106XXXO  
 092-03  
 01/15/92

ANALYTE	SOW-2/88	CRQL	JMW106XXXO 092-03 01/15/92	JMW107AXXO 113-02 01/15/92	JMW107BXXO 092-01 01/15/92	JMW201XXXO 046-01 01/14/92	JMW202XXXO 046-02 01/14/92	JMW203XXXO 066-01 01/14/92	JMW203XXXO 066-02 01/14/92
Aluminum	200	45300	8810 E*	65900 E*	2460 E*	-	-	1710	800
Antimony	60	-	-	-	-	-	-	-	-
Arsenic	10	-	-	19.7 N	-	-	-	-	-
Barium	200	986	-	894	506	-	-	-	-
Beryllium	5	-	-	-	-	-	-	-	-
Cadmium	5	-	-	-	-	-	-	-	-
Calcium	5000	274000	91000	253000	38900	53500	88500	73900	68500
Chromium	10	77.8	34.6 *	146 *	9.1	-	-	43.6	38.9
Cobalt	50	-	-	-	-	-	-	-	-
Copper	25	73.3	-	392	-	-	-	29.9	28.4
Iron	100	73700	14400	101000	4480	143	191	2990	1760
Lead	3	41.6	8.4	47.1	3.1	-	-	-	-
Magnesium	5000	101000	24000	106000	19000	23200	43700	29500	27400
Manganese	15	1620	439	2590	225	341	370	101	61.3
Mercury	0.2	-	-	0.56	-	-	-	-	-
Nickel	40	87.9	-	321	-	-	-	-	-
Potassium	5000	12000	-	25100	-	-	-	-	-
Selenium	5	-	-	-	-	-	-	-	-
Silver	10	-	-	-	-	29.9	-	-	-
Sodium	5000	11000	9020	19700	81000	-	14100	-	-
Thallium	10	-	-	-	-	-	-	-	-
Vanadium	50	87.7	-	102	-	-	-	-	-
Zinc	20	355	42.3 *	2830 *	-	-	23.2	22.7	-
Cyanide	10	NR	NR	NR	NR	NR	NR	NR	NR

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

Table 3  
Summary Table

SAMPLE LOCATION: JMW204XXX0  
 LAB NUMBER: 113-01  
 DATE SAMPLED: 01/15/92

ANALYTE	SOW-2/88	CRQL	
Aluminum		200	25700 E*
Antimony		60	-
Arsenic		10	-
Barium		200	518
Beryllium		5	-
Cadmium		5	-
Calcium		5000	89400
Chromium		10	67.1 *
Cobalt		50	-
Copper		25	58.6
Iron		100	32000
Lead		3	12.5
Magnesium		5000	44100
Manganese		15	887
Mercury		0.2	-
Nickel		40	124
Potassium		5000	10500
Selenium		5	-
Silver		10	-
Sodium		5000	43600
Thallium		10	-
Vanadium		50	58.8
Zinc		20	110 *
Cyanide		10	NR

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

APPENDIX D-3

SECOND PHASE SEDIMENTS

PESTICIDE AND POLYCHLORINATED BIPHENYL DATA  
INORGANIC DATA  
TOTAL LEAD DATA  
TOTAL ORGANIC CARBON DATA  
TOXICITY CHARACTERISTIC LEACHING PROCEDURE DATA

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E.C. Jordan Co.

**PESTICIDE AND POLYCHLORINATED BIPHENYL DATA**

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**E.C. Jordan Co.**

TABLE 1

Table 1  
Laboratory Report of Analysis

Pesticides/PCBs Soil Analysis (ug/kg)

SAMPLE LOCATION:  
LAB NUMBER:  
DATE SAMPLED:  
DATE EXTRACTED:  
DATE ANALYZED:

ANALYTE SOW-02/88 CRQL

ANALYTE	SOW-02/88	CRQL	JSD206006X	JSD207012X	JSD208006X	JSD209012X	JSD210006X	JSD211012X	JSD212000X
alpha-BHC	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
beta-BHC	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
delta-BHC	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
gamma-BHC (Lindane)	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
Heptachlor	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
Aldrin	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
Heptachlor Epoxide	8		210 U	36 U	220 U	140 U	73 U	12 U	130 U
Endosulfan I	16		210 U	36 U	220 U	140 U	73 U	12 U	130 U
Dieldrin	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
4,4'-DDE	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
Endrin	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
Endosulfan II	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
4,4'-DDD	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
Endosulfan Sulfate	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
4,4'-DDT	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
Methoxychlor	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Endrin Ketone	16		420 U	73 U	440 U	280 U	150 U	24 U	270 U
alpha-Chlordane	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
gamma-Chlordane	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Toxaphene	160		4200 U	730 U	4400 U	2800 U	1500 U	240 U	2700 U
Aroclor-1016	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Aroclor-1221	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Aroclor-1232	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Aroclor-1242	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Aroclor-1248	80		2100 U	360 U	2200 U	1400 U	730 U	120 U	1300 U
Aroclor-1254	160		4200 U	730 U	4400 U	2800 U	1500 U	240 U	2700 U
Aroclor-1260	160		10000 U	740 U	7300 U	3600 U	1500 U	240 U	5900 U
Dilution Factor:			5.00	4.00	5.00	3.00	1.00	1.00	4.00
Percent Solids:			19	88	18	17	11	66	76

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Pesticides/PCBs Soil Analysis (ug/kg)

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-02/88	CRQL	JSD213000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD214000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD215000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD216000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD217000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD218000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD219000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:	JSD220000X LAB NUMBER: DATE SAMPLED: DATE EXTRACTED: DATE ANALYZED:
alpha-BHC	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
beta-BHC	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
delta-BHC	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
gamma-BHC (Lindane)	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
Heptachlor	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
Aldrin	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
Heptachlor Epoxide	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
Endosulfan I	8		55 U	31 U	U	70 U	13 U	13 U	12 U	13 U
Dieldrin	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
4,4'-DDE	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
Endrin	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
Endosulfan II	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
4,4'-DDD	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
Endosulfan Sulfate	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
4,4'-DDT	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
Methoxychlor	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Endrin Ketone	16		110 U	62 U	U	140 U	26 U	26 U	24 U	25 U
alpha-Chlordane	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
gamma-Chlordane	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Toxaphene	160		1100 U	620 U	U	1400 U	260 U	260 U	240 U	250 U
Aroclor-1016	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Aroclor-1221	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Aroclor-1232	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Aroclor-1242	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Aroclor-1248	80		550 U	310 U	U	700 U	130 U	130 U	120 U	130 U
Aroclor-1254	160		1100 U	620 U	U	1400 U	260 U	260 U	240 U	250 U
Aroclor-1260	160		560 J	620 J	J	470 J	260 U	260 U	240 U	250 U
Dilution Factor:			2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00
Percent Solids:			71	48	48	77	62	62	68	63
Associated Method Blank:			-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-



Table 1  
Laboratory Report of Analysis

Pesticides/PCBs Soil Analysis: (ug/kg)

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:			
			JSD221000X	JSD222000X	JSD223000D	JSD223000X
alpha-BHC	8		17 U	14 U	24 U	24 U
beta-BHC	8		17 U	14 U	24 U	24 U
delta-BHC	8		17 U	14 U	24 U	24 U
gamma-BHC (Lindane)	8		17 U	14 U	24 U	24 U
Heptachlor	8		17 U	14 U	24 U	24 U
Aldrin	8		17 U	14 U	24 U	24 U
Heptachlor Epoxide	8		17 U	14 U	24 U	24 U
Endosulfan I	8		17 U	14 U	24 U	24 U
Dieldrin	16		34 U	28 U	48 U	47 U
4,4'-DDE	16		34 U	28 U	48 U	47 U
Endrin	16		34 U	28 U	48 U	47 U
Endosulfan II	16		34 U	28 U	48 U	47 U
4,4'-DDD	16		34 U	28 U	48 U	47 U
Endosulfan Sulfate	16		34 U	28 U	48 U	47 U
4,4'-DDT	16		34 U	28 U	48 U	47 U
Methoxychlor	80		170 U	140 U	240 U	240 U
Endrin Ketone	16		34 U	28 U	48 U	47 U
alpha-Chlordane	80		170 U	140 U	240 U	240 U
gamma-Chlordane	80		170 U	140 U	240 U	240 U
Toxaphene	160		340 U	280 U	480 U	470 U
Aroclor-1016	80		170 U	140 U	240 U	240 U
Aroclor-1221	80		170 U	140 U	240 U	240 U
Aroclor-1232	80		170 U	140 U	240 U	240 U
Aroclor-1242	80		170 U	140 U	240 U	240 U
Aroclor-1248	80		170 U	140 U	240 U	240 U
Aroclor-1254	160		340 U	280 U	480 U	470 U
Aroclor-1260	160		340 U	280 U	480 U	470 U
Dilution Factor:			1.00	1.00	1.00	1.00
Percent Solids:			47	58	33	34
						42

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

TABLE 2

Table 2  
Validation / Summary Table

Pesticides/PCBS Soil Analysis (ug/kg)

04/02/92

SAMPLE LOCATION:  
LAB NUMBER:  
DATE SAMPLED:  
DATE EXTRACTED:  
DATE ANALYZED:

ANALYTE SOY-02/88 CROL

ANALYTE	SOY-02/88	CROL	JSD206006X	JSD207012X	JSD208006X	JSD209012X	JSD210006X	JSD211012X	JSD212000X
alpha-BHC	8	210	U	36	220	U	73	U	130
beta-BHC	8	210	U	36	220	U	73	U	130
delta-BHC	8	210	U	36	220	U	73	U	130
gamma-BHC (Lindane)	8	210	U	36	220	U	73	U	130
Heptachlor	8	210	U	36	220	U	73	U	130
Aldrin	8	210	U	36	220	U	73	U	130
Heptachlor Epoxide	8	210	U	36	220	U	73	U	130
Endosulfan I	8	210	U	36	220	U	73	U	130
Diieldrin	8	210	U	36	220	U	73	U	130
4,4'-DDE	16	420	U	73	440	U	150	U	270
Endrin	16	420	U	73	440	U	150	U	270
Endosulfan II	16	420	U	73	440	U	150	U	270
4,4'-DDD	16	420	U	73	440	U	150	U	270
Endosulfan Sulfate	16	420	U	73	440	U	150	U	270
4,4'-DDT	16	420	U	73	440	U	150	U	270
Methoxychlor	80	2100	U	360	2200	U	730	U	270
Endrin Ketone	16	420	U	73	440	U	150	U	270
alpha-Chlordane	80	2100	U	360	2200	U	730	U	270
gamma-Chlordane	80	2100	U	360	2200	U	730	U	270
Toxaphene	160	4200	U	730	4400	U	1500	U	2700
Aroclor-1016	80	2100	U	360	2200	U	730	U	1300
Aroclor-1221	80	2100	U	360	2200	U	730	U	1300
Aroclor-1232	80	2100	U	360	2200	U	730	U	1300
Aroclor-1242	80	2100	U	360	2200	U	730	U	1300
Aroclor-1248	80	2100	U	360	2200	U	730	U	1300
Aroclor-1254	160	4200	U	730	4400	U	1500	U	2700
Aroclor-1260	160	4200	U	730	4400	U	1500	U	2700
Dilution Factor:			5.00	4.00	5.00	3.00	1.00	1.00	4.00
Percent Solids:			19	88	18	17	11	66	76
Associated Method Blank:			-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-

Table 2  
Validation / Summary Table

ANALYTE	SOM-02/88	CRQL	SAMPLE LOCATION:		Dilution Factor:		Percent Solids:												
			LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:											
alpha-BHC	8	55	JSD213000X	1044102	11/14/91	2.00	71	2.00	71	2.00	48	2.00	77	1.00	62	1.00	68	1.00	63
beta-BHC	8	55	JSD214000X	1044103	11/14/91	2.00	49	2.00	49	2.00	48	2.00	77	1.00	62	1.00	68	1.00	63
delta-BHC	8	55	JSD215000X	1044104	11/14/91	2.00	48	2.00	48	2.00	48	2.00	77	1.00	62	1.00	68	1.00	63
gamma-BHC (Lindane)	8	55	JSD216000X	1044105	11/14/91	2.00	77	2.00	77	2.00	48	2.00	77	1.00	62	1.00	68	1.00	63
Heptachlor	8	55	JSD217000X	1044501	11/14/91	1.00	62	1.00	62	1.00	62	1.00	62	1.00	62	1.00	62	1.00	62
Aldrin	8	55	JSD218000X	1044502	11/14/91	1.00	62	1.00	62	1.00	62	1.00	62	1.00	62	1.00	62	1.00	62
Heptachlor Epoxide	8	55	JSD219000X	1044505	11/14/91	1.00	68	1.00	68	1.00	62	1.00	62	1.00	62	1.00	68	1.00	63
Endosulfan I	8	55	JSD220000X	1044506	11/14/91	1.00	63	1.00	63	1.00	62	1.00	62	1.00	62	1.00	68	1.00	63
Endosulfan II	16	110																	
Endosulfan Sulfate	16	110																	
4,4'-DDD	16	110																	
4,4'-DDT	16	110																	
Methoxychlor	80	550																	
Endrin Ketone	16	110																	
alpha-Chlordane	80	550																	
gamma-Chlordane	80	550																	
Toxaphene	160	1100																	
Aroclor-1016	80	550																	
Aroclor-1221	80	550																	
Aroclor-1232	80	550																	
Aroclor-1242	80	550																	
Aroclor-1248	80	550																	
Aroclor-1254	160	1100																	
Aroclor-1260	160	560																	

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

Table 2  
Validation / Summary Table

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:		SAMPLE LOCATION:			
			LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:	LAB NUMBER:	DATE SAMPLED:		
alpha-BHC	8	17	JSD221000X	1044507	JSD222000X	1044508	JSD223000D	1044522	JSD223000X	1044511	JSD224000X	1044518
beta-BHC	8	17	11/14/91	11/14/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91
delta-BHC	8	17	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91
gamma-BHC (Lindane)	8	17	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91
Heptachlor	8	17										
Aldrin	8	17										
Heptachlor Epoxide	8	17										
Endosulfan I	8	17										
Dieldrin	16	34										
4,4'-DDE	16	34										
Endrin	16	34										
Endosulfan II	16	34										
4,4'-DDD	16	34										
Endosulfan Sulfate	16	34										
4,4'-DDT	16	34										
Methoxychlor	80	170										
Endrin Ketone	16	34										
alpha-Chlordane	80	170										
gamma-Chlordane	80	170										
Toxaphene	160	340										
Aroclor-1016	80	170										
Aroclor-1221	80	170										
Aroclor-1232	80	170										
Aroclor-1242	80	170										
Aroclor-1248	80	170										
Aroclor-1254	80	170										
Aroclor-1260	160	340										
Dilution Factor:			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	
Percent Solids:			47	58	33	34	34	42	42	42	42	

Associated Method Blank: -  
Associated Equipment Blank: -  
Associated Field Blank: -

TABLE 3

Pesticides/PCBs Soil Analysis (ug/kg)

Table 3  
Summary Table

SAMPLE LOCATION:  
LAB NUMBER:  
DATE SAMPLED:  
DATE EXTRACTED:  
DATE ANALYZED:

ANALYTE	SOW-02/88	CRQL
alpha-BHC	8	
beta-BHC	8	
delta-BHC	8	
gamma-BHC (Lindane)	8	
Heptachlor	8	
Aldrin	8	
Heptachlor Epoxide	8	
Endosulfan I	16	
Dieldrin	16	
4,4'-DDE	16	
Endrin	16	
Endosulfan II	16	
4,4'-DDD	16	
Endosulfan Sulfate	16	
4,4'-DDT	16	
Methoxychlor	80	
Endrin Ketone	16	
alpha-Chlordane	80	
gamma-Chlordane	80	
Toxaphene	160	
Aroclor-1016	80	
Aroclor-1221	80	
Aroclor-1232	80	
Aroclor-1242	80	
Aroclor-1248	80	
Aroclor-1254	160	
Aroclor-1260	160	

JSD206006X	JSD207012X	JSD208006X	JSD209012X	JSD210006X	JSD211012X	JSD212000X
1044516	1044517	1044515	1044514	1044512	1044513	1044101
11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/14/91
11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91
12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/15/91	12/24/91

7000	820					
10000	740	7300	3600			5900
5.00	4.00	5.00	3.00	1.00	1.00	4.00
19	88	18	17	11	66	76

Dilution Factor:  
Percent Solids:

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 3  
Summary Table

Pesticides/PCBs Soil Analysis (ug/kg)

ANALYTE	SOW-02/88	CRQL	SAMPLE LOCATION:	JSD213000X	JSD214000X	JSD215000X	JSD216000X	JSD217000X	JSD218000X	JSD219000X	JSD220000X
			LAB NUMBER:	1044102	1044103	1044104	1044105	1044501	1044502	1044505	1044506
			DATE SAMPLED:	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91
			DATE EXTRACTED:	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91	11/20/91
			DATE ANALYZED:	12/24/91	12/24/91	12/24/91	12/24/91	12/15/91	12/15/91	12/15/91	12/15/91
alpha-BHC	8										
beta-BHC	8										
delta-BHC	8										
gamma-BHC (Lindane)	8										
Heptachlor	8										
Aldrin	8										
Heptachlor Epoxide	8										
Endosulfan I	16										
Dieldrin	16										
4,4'-DDE	16										
Endrin	16										
Endosulfan II	16										
4,4'-DDD	16										
Endosulfan Sulfate	16										
4,4'-DDT	16										
Methoxychlor	80										
Endrin Ketone	16										
alpha-Chlordane	80										
gamma-Chlordane	80										
Toxaphene	160										
Aroclor-1016	80					620					
Aroclor-1221	80										
Aroclor-1232	80										
Aroclor-1242	80										
Aroclor-1248	80										
Aroclor-1254	160										
Aroclor-1260	160										
Dilution Factor:			2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00
Percent Solids:			71	49	48	77	62	62	62	68	63
Associated Method Blank:			-	-	-	-	-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-	-	-	-	-
Associated Field Blank:			-	-	-	-	-	-	-	-	-



Pesticides/PCBs Soil Analysis (ug/kg)

PROJECT: North Lawrence  
Table 3  
Summary Table

ANALYTE	SOW-02/88	CRQL	JSD221000X	JSD222000X	JSD223000D	JSD223000X	JSD224000X
alpha-BHC	8		1044507	1044508	1044522	1044511	1044518
beta-BHC	8		11/14/91	11/15/91	11/15/91	11/15/91	11/15/91
delta-BHC	8		11/20/91	11/20/91	11/20/91	11/20/91	11/20/91
gamma-BHC (Lindane)	8		12/15/91	12/15/91	12/16/91	12/15/91	12/15/91
Heptachlor	8						
Aldrin	8						
Heptachlor Epoxide	8						
Endosulfan I	8						
Dieldrin	16						
4,4'-DDE	16						
Endrin	16						
Endosulfan II	16						
4,4'-DDD	16						
Endosulfan Sulfate	16						
4,4'-DDT	16						
Methoxychlor	80						
Endrin Ketone	16						
alpha-Chlordane	80						
gamma-Chlordane	80						
Toxaphene	160						
Aroclor-1016	80						
Aroclor-1221	80						
Aroclor-1232	80						
Aroclor-1242	80						
Aroclor-1248	80						
Aroclor-1254	160						
Aroclor-1260	160						
Dilution Factor:			1.00	1.00	1.00	1.00	2.00
Percent Solids:			47	58	33	34	42
Associated Method Blank:			-	-	-	-	-
Associated Equipment Blank:			-	-	-	-	-
Associated Field Blank:			-	-	-	-	-

**INORGANIC DATA**

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**E.C. Jordan Co.**

TABLE 1

Table 1  
Laboratory Report of Analysis

ANALYTE	SOW-07/88	CRQL	SAMPLE LOCATION:		JSD201000X	JSD202000X	JSD203000X	JSD206006X	JSD207012X	JSD208006X	JSD209012X	JSD210006X
			LAB NUMBER:	DATE SAMPLED:								
Aluminum	40	9880	17900	6230	6590	2340	1140	4850	1970	144106	144107	144108
Antimony	12	9.6	21.8	10.1	23.4	5.0	24.6	25.6	38.6	11/14/91	11/14/91	11/14/91
Arsenic	2	2.6	6.2	2.3	5.3	1.1	5.6	5.8	8.8	144516	144517	144518
Barium	40	136	278	122	3180	141	954	780	552	144519	144520	144521
Beryllium	1	0.74	1.7	0.78	1.8	0.39	1.9	2.0	3.0	11/15/91	11/15/91	11/15/91
Cadmium	1	1.5	3.5	1.6	3.7	0.79	3.9	4.1	6.1	144522	144523	144524
Calcium	1000	6150	22300	5840	23900	1310	20300	35200	20300	11/15/91	11/15/91	11/15/91
Chromium	2	10.0	15.0	9.0	21.2	2.5	5.7	5.9	8.9	144525	144526	144527
Cobalt	10	3.7	8.3	3.9	8.9	1.9	9.4	5.9	14.7	144528	144529	144530
Copper	5	0.87	2.0	0.92	73.2	0.45	16.7	40.6	3.5	144531	144532	144533
Iron	20	7730	7620	6920	4780	4180	1740	2660	2430	144534	144535	144536
Lead	0.6	18.3	30.2	16.5	6400	92.1	1470	550	477	144537	144538	144539
Magnesium	1000	2070	2730	1230	2970	754	2300	4010	2210	144540	144541	144542
Manganese	3	148	296	150	328	36.7	95.9	183	79.9	144543	144544	144545
Mercury	0.1	0.22	0.50	0.23	0.85	0.14	0.76	1.2	1.9	144546	144547	144548
Nickel	8	9.5	21.7	10.0	23.3	5.0	24.5	25.5	38.4	144549	144550	144551
Potassium	1000	420	955	442	1030	219	1080	1120	1690	144552	144553	144554
Selenium	1	2.2	5.0	2.3	5.3	1.1	5.6	5.8	8.8	144555	144556	144557
Silver	2	2.0	4.6	2.1	4.9	1.0	5.1	5.3	8.1	144558	144559	144560
Sodium	1000	610	1390	642	1490	318	1560	1630	2450	144561	144562	144563
Thallium	2	2.2	5.0	2.3	5.3	1.1	5.6	5.8	8.8	144564	144565	144566
Vanadium	10	17.5	24.1	12.0	17.9	6.4	7.4	18.1	11.6	144567	144568	144569
Zinc	4	39.4	72.6	32.3	47.9	10.8	40.6	111	123	144570	144571	144572
Cyanide	1	1.1	2.4	1.1	2.4	0.41	2.2	2.1	3.9	144573	144574	144575
-----												
Percent Solids:			46	20	44	19	88	18	17	11		
Associated Method Blank:			-	-	-	-	-	-	-	-		
Associated Equipment Blank:			-	-	-	-	-	-	-	-		
Associated Field Blank:			-	-	-	-	-	-	-	-		

Table 1  
Laboratory Report of Analysis

Inorganic Soil Analysis (mg/kg)

SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD211012X 144513 11/15/91	JSD215000X 144104 11/14/91	JSD216000X 144105 11/14/91	JSD217000X 144501 11/14/91	JSD218000X 144502 11/14/91	JSD219000X 144505 11/14/91	JSD220000D 144521 11/14/91	JSD220000X 144506 11/14/91
--	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------	----------------------------------

ANALYTE	SOW-07/88	CRQL	66	52	23	62	68	63	63
Aluminum	40	40	1690	7810	4010	552	804	9730	9740
Antimony	12	12	6.7 U	8.5 U	19.0 U	7.1 U	7.1 U	6.9 U	21.6 U
Arsenic	2	2	1.5 UN	2.0 UN	4.3 UNH	1.6 UNH	1.6 UN	4.7 N	5.6 N
Barium	40	40	57.7 U	231 U	332 UNH	187 UNH	90.7 N	94.3 N	105 N
Beryllium	1	1	0.52 U	0.66 U	1.5 U	0.55 U	0.79 U	0.62 U	0.78 U
Cadmium	1	1	1.1 U	1.4 U	3.0 U	1.1 U	1.1 U	1.1 U	1.1 U
Calcium	1000	1000	1120 U	9700 U	29300 U	5970 U	5670 U	4150 U	5180 U
Chromium	2	2	1.6 U	6.8 U	4.4 U	1.6 U	8.4 U	13.5 U	14.1 U
Cobalt	10	10	2.6 U	3.3 U	7.2 U	2.7 U	2.7 U	4.1 U	6.3 U
Copper	5	5	0.61 UN*	0.78 UN*	1.7 UN*	27.5 N*	17.9 N*	0.63 UN*	0.64 UN*
Iron	20	20	2140 U	4000 U	4910 U	800 U	1440 U	14400 U	14000 U
Lead	0.6	0.6	6.9 *	149 *	396 *	416 *	9390 *	32.7 *	21.3 *
Magnesium	1000	1000	537 U	1790 U	3440 U	716 U	73.0 S*	1730 U	1750 U
Manganese	3	3	24.3 U	49.1 U	110 U	31.8 U	35.1 U	267 U	273 U
Mercury	0.1	0.1	0.37 U	0.19 U	0.41 U	0.16 U	1.3 U	0.16 U	0.85 U
Nickel	8	8	6.7 U	8.6 U	18.9 U	7.0 U	7.0 U	7.9 U	7.0 U
Potassium	1000	1000	295 U	375 U	832 U	310 U	310 U	541 U	735 U
Selenium	1	1	1.5 UN	1.9 UN	4.3 UN	1.6 UN	1.6 UN	1.6 UN	1.6 UN
Silver	2	2	1.4 U	1.8 U	4.0 U	1.5 U	1.4 U	1.5 U	1.5 U
Sodium	1000	1000	427 U	543 U	1210 U	450 U	491 U	441 U	447 U
Thallium	2	2	1.5 U	1.9 U	4.3 U	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	10	10	2.4 U	12.1 U	14.7 U	4.3 U	6.4 U	24.2 U	24.1 U
Zinc	4	4	7.8 U	42.9 U	122 U	48.3 U	19.4 U	29.6 U	31.2 U
Cyanide	1	1	0.72 UN	0.92 UN	2.1 UN	0.80 UN	0.63 UN	0.57 UN	0.68 UN
Percent Solids:			66	52	23	62	68	63	63

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JSD221000X JSD222000X JSD223000X JSD224000X  
 LAB NUMBER: 144507 144508 144511 144518  
 DATE SAMPLED: 11/14/91 11/15/91 11/15/91 11/15/91

ANALYTE	SOW-07/88	CRQL											
Aluminum	40	11500	9.3	U	10400	7.7	U	12400	19.0	U	10700	10.6	U
Antimony	12		3.1	UN		4.2	N		2.9	UNW		3.2	UN
Arsenic	2		168			149			311			285	
Barium	40								0.99	U		0.82	U
Beryllium	1		0.83	U		0.67	U		2.0	U		1.7	U
Cadmium	1		1.5			1.2			2.0			1.7	
Calcium	1000	11200	11.2		8810	12.3		20300	13.7		19000	12.7	
Chromium	2		7.3	U		5.7	UN*		4.9	U		4.0	U
Cobalt	10		0.85	UN*		0.69	UN*		1.2	UN*		0.96	UN*
Copper	5		10000			13900			10100			9630	
Iron	20		21.0	*		18.4	*		40.4	*		29.0	*
Lead	0.6		2830			2280			3960			3820	
Magnesium	1000		108			661			286			373	
Manganese	3		1.3			1.1			1.0			0.24	U
Mercury	0.1		11.1	U		8.6	U		15.8	U		10.5	U
Nickel	8		1140	U		577	U		624	U		464	U
Potassium	1000		2.1	UN		1.7	UN		2.9	UN		2.4	UNW
Selenium	1		2.0	U		1.6	U		2.7	U		2.2	U
Silver	2		594	U		482	U		816	U		673	U
Sodium	1000		2.1	UN		1.7	UN		2.9	UN		2.4	UN
Thallium	2		22.0			23.3			20.9	U		13.9	U
Vanadium	10		31.6			27.4			54.5			36.9	
Zinc	4		0.99	UN		0.63	UN		1.4	UN		0.94	UN
Cyanide	1												
Percent Solids:	47				58			34			42		

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

Table 2  
Validation / Summary Table

SAMPLE LOCATION: JSD201000X JSD202000X JSD203000X JSD206006X JSD207012X JSD208006X JSD209012X JSD210006X  
 LAB NUMBER: 144106 144107 144108 144516 144517 144515 144514 144512  
 DATE SAMPLED: 11/14/91 11/14/91 11/14/91 11/15/91 11/15/91 11/15/91 11/15/91 11/15/91

ANALYTE	SO4-07/88	CRQL																
Aluminum	9880	40	17900	6230	6590	2340	1140	4850	1970									
Antimony	9.6	12	21.8	10.1	23.4	5.0	24.6	25.6	38.6									
Arsenic	2.6	2	6.2	2.3	5.3	1.1	5.6	5.8	8.8									
Barium	136	40	278	122	3180	141	954	780	552									
Beryllium	0.74	1	1.7	0.78	1.8	0.39	1.9	2.0	3.0									
Cadmium	1.5	1	3.5	1.6	3.7	0.79	3.9	4.1	6.1									
Calcium	6150	1000	22300	5840	23900	1310	20300	35200	20300									
Chromium	10.0	2	15.0	9.0	21.2	2.5	5.7	5.9	8.9									
Cobalt	3.7	10	8.3	3.9	8.9	1.9	9.4	9.8	14.7									
Copper	0.87	5	2.0	0.92	73.2	0.45	16.7	9.8	14.7									
Iron	7730	20	7620	6920	4780	4180	1740	40.6	3.5									
Lead	18.3	0.6	30.2	16.5	6400	92.1	1470	2660	2430									
Magnesium	2070	1000	2730	1230	2970	754	2300	550	477									
Manganese	148	3	296	150	328	36.7	95.9	4010	2210									
Mercury	0.1	8	0.50	0.23	0.85	0.14	0.76	1.2	79.9									
Nickel	9.5	1	21.7	10.0	23.3	5.0	24.5	25.5	1.9									
Potassium	420	1000	955	442	1030	219	1080	1120	38.4									
Selenium	2.2	1	5.0	2.3	5.3	1.1	5.6	5.8	1690									
Silver	2.0	2	4.6	2.1	4.9	1.0	5.1	5.3	8.8									
Sodium	610	1000	1390	642	1490	318	1560	1630	8.1									
Thallium	2.2	2	5.0	2.3	5.3	1.1	5.6	5.8	2450									
Vanadium	17.5	10	24.1	12.0	17.9	6.4	7.4	8.8	8.8									
Zinc	39.4	4	72.6	32.3	479	10.8	406	11.6	11.6									
Cyanide	1.1	1	2.4	1.1	2.4	0.41	2.2	2.1	123									
Percent Solids:	46		20	44	19	88	18	17	11									

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -





Table 2  
Validation / Summary Table

SAMPLE LOCATION: JSD221000X  
 LAB NUMBER: 144507  
 DATE SAMPLED: 11/14/91  
 JSD222000X  
 144508  
 11/15/91  
 JSD223000X  
 144511  
 11/15/91  
 JSD224000X  
 144518  
 11/15/91

ANALYTE	SON-07/88	CRQL											
Aluminum	40	11500	9.3	U	10400	7.7	□	12400	19.0	□	10700	10.6	U
Antimony	12	3.1	□	□	4.2	N	□	2.9	UNW	3.2	□	3.2	□
Arsenic	2	168	149	□	149	□	□	311	□	285	□	285	□
Barium	40	0.83	□	□	0.67	□	□	0.99	U	0.82	U	0.82	U
Beryllium	1	1.5	U	U	1.2	U	U	2.0	U	1.7	U	1.7	U
Cadmium	1	11200	11.2	□	8810	12.3	□	20300	13.7	□	19000	12.7	□
Calcium	1000	7.3	□	□	5.7	□	□	4.9	U	4.0	U	4.0	U
Chromium	2	0.85	UN*	UN*	0.69	UN*	UN*	1.2	UN*	0.96	UN*	0.96	UN*
Cobalt	10	10000	21.0	□	13900	18.4	□	10100	40.4	□	9430	29.0	□
Copper	5	2830	2280	□	2280	661	□	3960	3820	□	3820	3820	□
Iron	20	108	108	□	661	1.1	□	286	373	□	373	373	□
Lead	0.6	1.3	□	□	1.1	□	□	1.0	□	0.24	□	0.24	□
Magnesium	1000	11.1	□	□	8.6	□	□	15.8	□	10.5	□	10.5	□
Manganese	3	1140	1140	□	577	□	□	624	□	464	□	464	□
Mercury	0.1	2.1	UN	UN	1.7	UN	UN	2.9	UN	2.2	UN	2.2	UN
Nickel	8	2.0	U	U	1.6	U	U	2.7	U	2.2	U	2.2	U
Potassium	1000	594	U	U	482	U	U	816	U	673	U	673	U
Selenium	1	2.1	UN	UN	1.7	UN	UN	2.9	UN	2.4	UN	2.4	UN
Silver	2	22.0	□	□	23.3	□	□	20.9	□	13.9	□	13.9	□
Sodium	1000	31.6	U	U	27.4	U	U	54.5	□	36.9	□	36.9	□
Thallium	2	0.99	UN	UN	0.63	UN	UN	1.4	UN	0.94	UN	0.94	UN
Vanadium	10												
Zinc	4												
Cyanide	1												
Percent Solids:		47			58			34			42		

Associated Method Blank: -  
 Associated Equipment Blank: -  
 Associated Field Blank: -

TABLE 3

Table 3  
Summary Table

Inorganic Soil Analysis (mg/kg)

04/02/92

ANALYTE	SOM-07/88	CRQL	SAMPLE LOCATION:		JSD201000X		JSD202000X		JSD203000X		JSD206006X		JSD207012X		JSD208006X		JSD209012X		JSD210006X	
			LAB NUMBER:	DATE SAMPLED:	144106	11/14/91	144107	11/14/91	144108	11/14/91	144516	11/15/91	144517	11/15/91	144515	11/15/91	144514	11/15/91	144512	11/15/91
Aluminum	40	9880	17900	6230	6590	2340	1140	4850	1970											
Antimony	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	40	136	278	122	3180	141	954	780	552											
Beryllium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	1000	6150	22300	5840	23900	1310	20300	35200	20300											
Chromium	2	10.0	15.0	9.0	21.2	2.5	-	-	-											
Cobalt	10	-	-	-	-	-	-	-	-											
Copper	5	-	-	-	-	-	-	-	-											
Iron	20	7730	7620	6920	4780	4180	1740	2660	2430											
Lead	0.6	18.3	30.2	16.5	6400	92.1	1470	550	477											
Magnesium	1000	-	-	-	-	-	-	-	-											
Manganese	3	148	296	150	328	36.7	95.9	183	79.9											
Mercury	0.1	-	-	-	0.85	0.14	0.76	1.2	1.9											
Nickel	8	-	-	-	-	-	-	-	-											
Potassium	1000	-	-	-	-	-	-	-	-											
Selenium	1	-	-	-	-	-	-	-	-											
Silver	2	-	-	-	-	-	-	-	-											
Sodium	1000	-	-	-	-	-	-	-	-											
Thallium	2	-	-	-	-	-	-	-	-											
Vanadium	10	-	-	-	-	-	-	-	-											
Zinc	10	39.4	72.6	32.3	479	10.8	406	111	123											
Cyanide	4	-	-	-	-	-	-	-	-											
	1	-	-	-	-	-	-	-	-											
Percent Solids:	46	20	44	19	88	18	17	11												

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

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E.C. Jordan Co.

TOTAL LEAD DATA

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APPENDIX D

TABLE 1

PROJECT: North Lawrence

Pb Soil Analysis (mg/kg)

06-Nov-92

Table 1  
Laboratory Report of Analysis

ANALYTE	CRQL	SAMPLE LOCATION:	JSD225000X	JSD226000X	JSD227000X	JSD228000X	JSD229000X	JSD230000X	JSD231000X	JSD232000X
Lead	0.6	LAB NUMBER:	045516	045517	045518	045519	045520	045521	045522	045523
		DATE SAMPLED:	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91
	2280.00									
	356.00									
	1120.00									
	657.00									
	57.40 S									
	85.20									
	17.00									
	508.00									
Percent Solids:	21.7									
	17.3									
	17.9									
	15.4									
	25.7									
	19.2									
	28.9									
	24.1									

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

PROJECT: North Lawrence

Pb Soil Analysis (mg/kg)

06-Nov-92

Table 1  
Laboratory Report of Analysis

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD233000D 045525 11/15/91	JSD233000X 045524 11/15/91	JSD234000X 045526 11/15/91	JSD235000X 045527 11/15/91	JSD236000X 045528 11/15/91	JSD237000X 045529 11/15/91	JSD238000X 045530 11/15/91	JSD239000X 045531 11/15/91
Lead	0.6		204.00	469.00	535.00	1020.00	118.00	992.00	283.00	90.60
		Percent Solids:	12.4	12.7	15.5	10.5	18.7	11.6	11.7	21.1

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION:	JSD240000X	JSD241000X	JSD242000X	JSD243000X	JSD244000X	JSD245000X	JSD246000X	JSD247000X	
LAB NUMBER:	045501	045502	045503	045504	045505	045506	045507	045508	
DATE SAMPLED:	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	
ANALYTE	CRQL								
Lead	0.6	1430.00	439.00	332.00	1100.00	200.00	283.00	13.20	11.50
Percent Solids:	16.8	17.7	18.8	16.8	20.7	23.4	32.5	76.6	

Associated Method Blank:  
 Associated Equipment Blank:  
 Associated Field Blank:



PROJECT: North Lawrence

Pb soil Analysis (mg/kg)

06-Nov-92

Table 1  
Laboratory Report of Analysis

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD248000X 045509 11/15/91	JSD249000X 045510 11/15/91	JSD250000X 045511 11/15/91	JSD251000X 045512 11/15/91	JSD252000X 045513 11/15/91	JSD253000X 045514 11/16/91	JSD254000X 045515 11/16/91	JSD255000D 045532 11/16/91
Lead	0.6		37.50	70.90	33.40	7.70	20.10 S	25.40	18.50 S	30.00
		Percent Solids:	26.0	31.3	65.5	78.6	70.9	71.8	64.3	61.6

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

PROJECT: North Lawrence

Pb Soil Analysis (mg/kg)

06-Nov-92

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JSD255000X  
LAB NUMBER: 045533  
DATE SAMPLED: 11/16/91

JSD256000X  
045534  
11/16/91

JSD257000X  
045535  
11/16/91

JSD258000X  
045536  
11/16/91

JSD259000X  
045537  
11/16/91

ANALYTE	CRQL					
Lead	0.6	24.60 S	31.00 S	7.50	250.00	63.9
=====						
Percent Solids:		62.4	48.2	69.6	16.5	30.7
=====						

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

TABLE 2

Table 2  
Validation / Summary Table

SAMPLE LOCATION:	LAB NUMBER:	DATE SAMPLED:	ANALYTE	CRQL
JSD225000X	045516	11/15/91	Lead	0.6
JSD226000X	045517	11/15/91		2280.00
JSD227000X	045518	11/15/91		356.00
JSD228000X	045519	11/15/91		1120.00
JSD229000X	045520	11/15/91		657.00
JSD230000X	045521	11/15/91		57.40 S
JSD231000X	045522	11/15/91		85.20
JSD232000X	045523	11/15/91		17.00

=====  
Percent Solids: 21.7 17.3 17.9 15.4 25.7 19.2 28.9 24.1  
=====

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 2  
Validation / Summary Table

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD233000D 045525 11/15/91	JSD233000X 045524 11/15/91	JSD234000X 045526 11/15/91	JSD235000X 045527 11/15/91	JSD236000X 045528 11/15/91	JSD237000X 045529 11/15/91	JSD238000X 045530 11/15/91	JSD239000X 045531 11/15/91
Lead	0.6		204.00	469.00	535.00	1020.00	118.00	992.00	283.00	90.60
=====										
	Percent Solids:		12.4	12.7	15.5	10.5	18.7	11.6	11.7	21.1
=====										

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 2  
Validation / Summary Table

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD240000X 045501 11/15/91	JSD241000X 045502 11/15/91	JSD242000X 045503 11/15/91	JSD243000X 045504 11/15/91	JSD244000X 045505 11/15/91	JSD245000X 045506 11/15/91	JSD246000X 045507 11/15/91	JSD247000X 045508 11/15/91
Lead	0.6		1430.00	439.00	332.00	1100.00	200.00	283.00	13.20	11.50
		Percent Solids:	16.8	17.7	18.8	16.8	20.7	23.4	32.5	76.6

Associated Method Blank:  
 Associated Equipment Blank:  
 Associated Field Blank:

Table 2  
Validation / Summary Table

SAMPLE LOCATION:	JSD255000X	JSD256000X	JSD257000X	JSD258000X	JSD259000X	
LAB NUMBER:	045533	045534	045535	045536	045537	
DATE SAMPLED:	11/16/91	11/16/91	11/16/91	11/16/91	11/16/91	
ANALYTE	CRQL					
Lead	0.6	24.60 S	31.00 S	7.50	250.00	63.9
Percent Solids:						
		62.4	48.2	69.6	16.5	30.7

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 2  
Validation / Summary Table

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD248000X 045509 11/15/91	JSD249000X 045510 11/15/91	JSD250000X 045511 11/15/91	JSD251000X 045512 11/15/91	JSD252000X 045513 11/15/91	JSD253000X 045514 11/16/91	JSD254000X 045515 11/16/91	JSD255000D 045532 11/16/91
Lead	0.6		37.50	70.90	33.40	7.70	20.10 S	25.40	18.50 S	30.00
		Percent Solids:	26.0	31.3	65.5	78.6	70.9	71.8	64.3	61.6

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:



TABLE 3

Table 3  
Summary Table

SAMPLE LOCATION:	LAB NUMBER:	DATE SAMPLED:	ANALYTE	CRQL
JSD225000X	045516	11/15/91	Lead	0.6
JSD226000X	045517	11/15/91	Percent Solids:	21.7
JSD227000X	045518	11/15/91		17.3
JSD228000X	045519	11/15/91		17.9
JSD229000X	045520	11/15/91		15.4
JSD230000X	045521	11/15/91		57.40 S
JSD231000X	045522	11/15/91		85.20
JSD232000X	045523	11/15/91		17.00
				28.9
				24.1

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 3  
Summary Table

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD233000D 045525 11/15/91	JSD233000X 045524 11/15/91	JSD234000X 045526 11/15/91	JSD235000X 045527 11/15/91	JSD236000X 045528 11/15/91	JSD237000X 045529 11/15/91	JSD238000X 045530 11/15/91	JSD239000X 045531 11/15/91
Lead	0.6		204.00	469.00	535.00	1020.00	118.00	992.00	283.00	90.60
		Percent Solids:	12.4	12.7	15.5	10.5	18.7	11.6	11.7	21.1

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

PROJECT: North Lawrence

Pb Soil Analysis (mg/kg)

06-Nov-92

Table 3  
Summary Table

ANALYTE	CRQL	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD240000X 045501 11/15/91	JSD241000X 045502 11/15/91	JSD242000X 045503 11/15/91	JSD243000X 045504 11/15/91	JSD244000X 045505 11/15/91	JSD245000X 045506 11/15/91	JSD246000X 045507 11/15/91	JSD247000X 045508 11/15/91
Lead	0.6		1430.00	439.00	332.00	1100.00	200.00	283.00	13.20	11.50
		Percent Solids:	16.8	17.7	18.8	16.8	20.7	23.4	32.5	76.6

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

Table 3  
Summary Table

SAMPLE LOCATION: JSD248000X  
 LAB NUMBER: 045509  
 DATE SAMPLED: 11/15/91

SAMPLE LOCATION: JSD249000X  
 LAB NUMBER: 045510  
 DATE SAMPLED: 11/15/91

SAMPLE LOCATION: JSD250000X  
 LAB NUMBER: 045511  
 DATE SAMPLED: 11/15/91

SAMPLE LOCATION: JSD251000X  
 LAB NUMBER: 045512  
 DATE SAMPLED: 11/15/91

SAMPLE LOCATION: JSD252000X  
 LAB NUMBER: 045513  
 DATE SAMPLED: 11/15/91

SAMPLE LOCATION: JSD253000X  
 LAB NUMBER: 045514  
 DATE SAMPLED: 11/16/91

SAMPLE LOCATION: JSD254000X  
 LAB NUMBER: 045515  
 DATE SAMPLED: 11/16/91

SAMPLE LOCATION: JSD255000D  
 LAB NUMBER: 045552  
 DATE SAMPLED: 11/16/91

ANALYTE CRQL

Lead 0.6 37.50 70.90 33.40 7.70 20.10 S 25.40 18.50 S 30.00

Percent Solids: 26.0 31.3 65.5 78.6 70.9 71.8 64.3 61.6

Associated Method Blank:  
 Associated Equipment Blank:  
 Associated Field Blank:



TABLE 1

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E.C. Jordan Co.

TOTAL ORGANIC CARBON DATA

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APPENDIX D



PROJECT:North Lawrence

TOC Soil Analysis (mg/Kg)

03-Apr-92

Table 1  
Laboratory Report of Analysis

ANALYTE	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD222000X 144508 11/15/91	JSD223000X 144511 11/15/91	JSD224000X 144518 11/15/91	JSD213000X 144102 11/14/91	JSD214000X 144103 11/14/91	JSD209012D 144526 11/15/91	JSD215000X 144104 11/14/91	JSD206006X 144516 11/15/91
Total Organic Carbon (TOC)		72300	106000	315000	716000	212000	162000	242000	6030000

PROJECT:North Lawrence

TOC Soil Analysis (mg/kg)

03-Apr-92

Table 1  
Laboratory Report of Analysis

ANALYTE	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD218000X 144502 11/14/91	JSD219000X 144505 11/14/91	JSD220000X 144506 11/14/91	JSD221000X 144507 11/14/91
Total Organic Carbon (TOC)		48500	34800	52200	165000

PROJECT: North Lawrence

TOC Soil Analysis (mg/kg)

03-Apr-92

Table 2  
Validation/Summary Table

ANALYTE	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD222000X 144508 11/15/91	JSD223000X 144511 11/15/91	JSD224000X 144518 11/15/91	JSD213000X 144102 11/14/91	JSD214000X 144103 11/14/91	JSD209012D 144526 11/15/91	JSD215000X 144104 11/14/91	JSD206000X 144516 11/15/91
Total Organic Carbon (TOC)		72300	106000	315000	716000	212000	162000	242000	6030000 J

TABLE 2

Table 2  
Validation/Summary Table

SAMPLE LOCATION: JSD207012X  
LAB NUMBER: 144517  
DATE SAMPLED: 11/15/91

JSD208006X  
144515  
11/15/91

JSD209012X  
144514  
11/15/91

JSD210006X  
144512  
11/15/91

JSD211012X  
144513  
11/15/91

JSD212000X  
144101  
11/14/91

JSD216000X  
144105  
11/14/91

JSD217000X  
144501  
11/14/91

ANALYTE

Total Organic Carbon (TOC)

18500

462000

220000

370000

108000

102000

624000

76100

Table 2  
Validation/Summary Table

SAMPLE LOCATION: JSD218000X  
LAB NUMBER: 144502  
DATE SAMPLED: 11/14/91

JSD219000X  
144505  
11/14/91

JSD220000X  
144506  
11/14/91

JSD221000X  
144507  
11/14/91

ANALYTE

Total Organic Carbon (TOC)

48500

34800

52200

165000

=====

TABLE 3

Table 3  
Summary Table

SAMPLE LOCATION: JSD222000X  
LAB NUMBER: 144508  
DATE SAMPLED: 11/15/91

JSD223000X 144511 11/15/91  
JSD224000X 144518 11/15/91  
JSD213000X 144102 11/14/91  
JSD214000X 144103 11/14/91  
JSD209012D 144526 11/15/91  
JSD215000X 144104 11/14/91  
JSD206006X 144516 11/15/91

ANALYTE

ANALYTE	TOC	CONCENTRATION (mg/kg)
Total Organic Carbon (TOC)	72300	106000
	315000	716000
	212000	162000
	242000	6030000 J



Table 3  
Summary Table

ANALYTE	SAMPLE LOCATION: LAB NUMBER: DATE SAMPLED:	JSD207012X 144517 11/15/91	JSD208006X 144515 11/15/91	JSD209012X 144514 11/15/91	JSD210006X 144512 11/15/91	JSD211012X 144513 11/15/91	JSD212000X 144101 11/14/91	JSD216000X 144105 11/14/91	JSD217000X 144501 11/14/91
Total Organic Carbon (TOC)		18500	462000	220000	370000	108000	102000	624000	76100

Table 3  
Summary Table

SAMPLE LOCATION: JSD218000X  
LAB NUMBER: 144502  
DATE SAMPLED: 11/14/91

JSD219000X      JSD220000X      JSD221000X  
144505            144506            144507  
11/14/91          11/14/91          11/14/91

ANALYTE

Total Organic Carbon (TOC)	48500	52200	165000
----------------------------	-------	-------	--------

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**TOXICITY CHARACTERISTIC LEACHING PROCEDURE DATA**

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**E.C. Jordan Co.**

TABLE 1

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION:	JSD204000X	JSD205000X	JSD205000D
LAB NUMBER:	144525	144523	144524
DATE SAMPLED:	11/15/91	11/15/91	11/15/91

ANALYTE	JSD204000X	JSD205000X	JSD205000D
Arsenic	70.30 U	70.30 U	70.30 U
Barium	903.00	752.00	828.00
Cadmium	3.50 U	3.50 U	3.50 U
Chromium	5.10 U	5.10 U	5.10 U
Lead	756.00	293.00	188.00
Mercury	0.20 U	0.20 U	0.20 U
Selenium	56.90 U	56.90 U	56.90 U
Silver	4.60 U	4.60 U	4.60 U

Dilution Factor:

Associated Method Blank:  
 Associated Equipment Blank:  
 Associated Field Blank:

TABLE 2

Table 2  
Validation / Summary Table

SAMPLE LOCATION:	JSD204000X	JSD205000X	JSD205000D
LAB NUMBER:	144525	144523	144524
DATE SAMPLED:	11/15/91	11/15/91	11/15/91

ANALYTE

Arsenic	70.30 U	70.30 U	70.30 U
Barium	903.00	752.00	828.00
Cadmium	3.50 U	3.50 U	3.50 U
Chromium	5.10 U	5.10 U	5.10 U
Lead	756.00	293.00	188.00
Mercury	0.20 U	0.20 U	0.20 U
Selenium	56.90 U	56.90 U	56.90 U
Silver	4.60 U	4.60 U	4.60 U

=====  
Dilution Factor:=====  
=====

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:

TABLE 3



Table 3  
Summary Table

SAMPLE LOCATION:	JSD204000X	JSD205000X	JSD2050000
LAB NUMBER:	144525	144523	144524
DATE SAMPLED:	11/15/91	11/15/91	11/15/91

ANALYTE

Arsenic	-	-	-
Barium	903.00	752.00	828.00
Cadmium	-	-	-
Chromium	-	-	-
Lead	756.00	293.00	188.00
Mercury	-	-	-
Selenium	-	-	-
Silver	-	-	-

=====  
Dilution Factor:  
=====

Associated Method Blank:  
Associated Equipment Blank:  
Associated Field Blank:



**APPENDIX E**  
**THIRD PHASE DATA**

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**E.C. Jordan Co.**

**APPENDIX E-1**

**THIRD PHASE SEDIMENT DATA**

**LEAD**

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**E.C. Jordan Co.**

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS WASTE REMEDIATION  
BUREAU OF HAZARDOUS SITE CONTROL

\*\*\*\*\*  
\* ANALYTICAL REPORT \*  
\*\*\*\*\*

SITE NAME: NORTH LAWERENCE OIL DUMP

SITE CODE: 645013

SUBMITTED BY: DOUG HILL

DATE OF REPORT: 7/9/92

DATA RELEASED BY: F.WOODWARD

REPORT QUALIFIERS: LEAD ONLY / ALL SOILS WERE LESS THAN 50 % SOILDS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SAMPLE SUBMISSION

SITE NAME: NORTH LAWRENCE OIL DUMP

REGISTRY NUMBER: 645013

SAMPLE SUBMISSION DATE: 6/11/92

SAMPLES SUBMITTED BY: DOUG HILL

T&A code: A315

TOTAL NUMBER OF SAMPLES SUBMITTED: 10

\*\*\*\*\* ORGANIC SAMPLES BY MATRIX \*\*\*\*\*

WATER: VOA: BNA: PEST/PCB:

SOIL: VOA: BNA: PEST/PCB:

OTHER: VOA: BNA: PEST/PCB:

OTHER:

\*\*\*\*\* METALS SAMPLES BY MATRIX \*\*\*\*\*

WATER: SOIL: 10 OTHER:

METALS SELECTED: Pb HIGH LEVEL (ABOVE 10PPM)

=====

COMMENTS:

=====

\*\*\*\*\* REPORT INFORMATION \*\*\*\*\*

VOLATILE DATA REPORTED \_\_\_/\_\_\_/\_\_\_ BY \_\_\_\_\_

BNA DATA REPORTED \_\_\_/\_\_\_/\_\_\_ BY \_\_\_\_\_

PEST/PCB DATA REPORTED \_\_\_/\_\_\_/\_\_\_ BY \_\_\_\_\_

METALS DATA REPORTED \_7/\_9/\_92 BY F.WOODWARD \_\_\_\_\_

REPORT COMPLETED AND FILED \_7/\_9/\_92 BY F.WOODWARD \_\_\_\_\_

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS WASTE REMEDIATION  
BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
FIELD ID: JSD301XXXX

SAMPLE NUMBER: 692-157-01  
DATE COLLECTED: 6/5/92  
DATE ANALYZED: 7/8/92  
DATE REPORTED: 7/9/92

SITE CODE: 64913  
MATRIX: SOIL  
PERCENT SOLIDS: 10%  
ARCHIVE NO.: M15701

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	170	ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD302XXXX

SAMPLE NUMBER: 692-157-02  
 DATE COLLECTED: 6/5/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64913  
 MATRIX: SOIL  
 PERCENT SOLIDS: 30%  
 ARCHIVE NO.: M15702

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	36	ZINC	NR

COMMENTS:

NR = NOT REQUESTED



N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD303XXXX

SAMPLE NUMBER: 692-197-03  
 DATE COLLECTED: 6/5/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64513  
 MATRIX: SOIL  
 PERCENT SOLIDS: 10%  
 ARCHIVE NO.: M15703

METAL	CONC mg/L		METAL	CONC mg/L
ALUMINIUM	NR		MAGNESIUM	NR
ANTIMONY	NR		MANGANESE	NR
ARSENIC	NR		MERCURY	NR
BARIUM	NR		NICKEL	NR
BERYLLIUM	NR		POTASSIUM	NR
CADMIUM	NR		SELENIUM	NR
CALCIUM	NR		SILVER	NR
CHROMIUM	NR		SODIUM	NR
COBALT	NR		THALLIUM	NR
COPPER	NR		TIN	NR
IRON	NR		VANADIUM	NR
LEAD	40		ZINC	NR

COMMENTS:

NR = NOT REQUESTED

U.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JS0303XXXD

SAMPLE NUMBER: 692-157-04                      SITE CODE: 64513  
 DATE COLLECTED: 6/5/92                      MATRIX: SOIL  
 DATE ANALYZED: 7/8/92                      PERCENT SOLIDS: 13%  
 DATE REPORTED: 7/9/92                      ARCHIVE NO.: M15704

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	26	ZINC	NR

COMMENTS:

NR = NOT REQUESTED

U.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD304XXXX

SAMPLE NUMBER: 692-157-05  
 DATE COLLECTED: 6/5/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64913  
 MATRIX: SOIL  
 PERCENT SOLIDS: 19%  
 ARCHIVE NO.: M15705

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	38	ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD305XXXX

SAMPLE NUMBER: 692-157-06	SITE CODE: 64513
DATE COLLECTED: 6/5/92	MATRIX: SDIL
DATE ANALYZED: 7/8/92	PERCENT SOLIDS: 8%
DATE REPORTED: 7/9/92	ARCHIVE NO.: M15706

METAL	CONC			METAL	CONC
	mg/L				mg/L
ALUMINIUM	NR			MAGNESIUM	NR
ANTIMONY	NR			MANGANESE	NR
ARSENIC	NR			MERCURY	NR
BARIUM	NR			NICKEL	NR
BERYLLIUM	NR			POTASSIUM	NR
CADMIUM	NR			SELENIUM	NR
CALCIUM	NR			SILVER	NR
CHROMIUM	NR			SODIUM	NR
COBALT	NR			THALLIUM	NR
COPPER	NR			TIN	NR
IRON	NR			VANADIUM	NR
LEAD	120			ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD306XXXX

SAMPLE NUMBER: 692-157-02  
 DATE COLLECTED: 6/9/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64513  
 MATRIX: SOIL  
 PERCENT SOLIDS: 16%  
 ARCHIVE NO.: M15707

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	43	ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N. Y. S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD307XXXX

SAMPLE NUMBER: 692-157-08                      SITE CODE: 64513  
 DATE COLLECTED: 6/5/92                        MATRIX: SOIL  
 DATE ANALYZED: 7/8/92                        PERCENT SOLIDS: 28%  
 DATE REPORTED: 7/9/92                        ARCHIVE NO.: M15708

METAL	CONC mg/L		METAL	CONC mg/L
ALUMINIUM	NR		MAGNESIUM	NR
ANTIMONY	NR		MANGANESE	NR
ARSENIC	NR		MERCURY	NR
BARIUM	NR		NICKEL	NR
BERYLLIUM	NR		POTASSIUM	NR
CADMIUM	NR		SELENIUM	NR
CALCIUM	NR		SILVER	NR
CHROMIUM	NR		SODIUM	NR
COBALT	NR		THALLIUM	NR
COPPER	NR		TIN	NR
IRON	NR		VANADIUM	NR
LEAD	26		ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD308XXX

SAMPLE NUMBER: 692-157-09  
 DATE COLLECTED: 6/5/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64613  
 MATRIX: SOIL  
 PERCENT SOLIDS: 10%  
 ARCHIVE NO.: M15709

METAL	CONC mg/L		METAL	CONC mg/L
ALUMINIUM	NR		MAGNESIUM	NR
ANTIMONY	NR		MANGANESE	NR
ARSENIC	NR		MERCURY	NR
BARIUM	NR		NICKEL	NR
BERYLLIUM	NR		POTASSIUM	NR
CADMIUM	NR		SELENIUM	NR
CALCIUM	NR		SILVER	NR
CHROMIUM	NR		SODIUM	NR
COBALT	NR		THALLIUM	NR
COPPER	NR		TIN	NR
IRON	NR		VANADIUM	NR
LEAD	95		ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS WASTE REMEDIATION  
BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
FIELD ID: J5D309XXXX

SAMPLE NUMBER: 692-157-10                      SITE CODE: 64513  
DATE COLLECTED: 6/5/92                        MATRIX: SOIL  
DATE ANALYZED: 7/8/92                        PERCENT SOLIDS: 10%  
DATE REPORTED: 7/9/92                        ARCHIVE NO.: M15710

METAL	CONC mg/L		METAL	CONC mg/L
ALUMINIUM	NR		MAGNESIUM	NR
ANTIMONY	NR		MANGANESE	NR
ARSENIC	NR		MERCURY	NR
BARIUM	NR		NICKEL	NR
BERYLLIUM	NR		POTASSIUM	NR
CADMIUM	NR		SELENIUM	NR
CALCIUM	NR		SILVER	NR
CHROMIUM	NR		SODIUM	NR
COBALT	NR		THALLIUM	NR
COPPER	NR		TIN	NR
IRON	NR		VANADIUM	NR
LEAD	69		ZINC	NR

COMMENTS:

NR = NOT REQUESTED





U. S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWRENCE OIL DUMP  
 FIELD ID: JSD311XXXX

SAMPLE NUMBER: 692-157-12  
 DATE COLLECTED: 6/9/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64513  
 MATRIX: SOIL  
 PERCENT SOLIDS: 14%  
 ARCHIVE NO.: M15712

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	25	ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWERENCE OIL DUMP  
 FIELD ID: JSD312XXXX

SAMPLE NUMBER: 692-157-13  
 DATE COLLECTED: 6/5/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64513  
 MATRIX: SOIL  
 PERCENT SOLIDS: 15%  
 ARCHIVE NO.: M15713

METAL	CONC mg/L	METAL	CONC mg/L
ALUMINIUM	NR	MAGNESIUM	NR
ANTIMONY	NR	MANGANESE	NR
ARSENIC	NR	MERCURY	NR
BARIUM	NR	NICKEL	NR
BERYLLIUM	NR	POTASSIUM	NR
CADMIUM	NR	SELENIUM	NR
CALCIUM	NR	SILVER	NR
CHROMIUM	NR	SODIUM	NR
COBALT	NR	THALLIUM	NR
COPPER	NR	TIN	NR
IRON	NR	VANADIUM	NR
LEAD	14	ZINC	NR

COMMENTS:

NR = NOT REQUESTED

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF HAZARDOUS WASTE REMEDIATION  
 BUREAU OF HAZARDOUS SITE CONTROL

METALS REPORT

SITE NAME: NORTH LAWERENCE OIL DUMP  
 FIELD ID: JQSXX2XXXX

SAMPLE NUMBER: 692-157-14  
 DATE COLLECTED: 6/5/92  
 DATE ANALYZED: 7/8/92  
 DATE REPORTED: 7/9/92

SITE CODE: 64513  
 MATRIX: WATER  
 PERCENT SOLIDS: NA  
 ARCHIVE NO.: M15714

METAL	CONC ug/L		METAL	CONC ug/L
ALUMINIUM	NR		MAGNESIUM	NR
ANTIMONY	NR		MANGANESE	NR
ARSENIC	NR		MERCURY	NR
BARIUM	NR		NICKEL	NR
BERYLLIUM	NR		POTASSIUM	NR
CADMIUM	NR		SELENIUM	NR
CALCIUM	NR		SILVER	NR
CHROMIUM	NR		SODIUM	NR
COBALT	NR		THALLIUM	NR
COPPER	NR		TIN	NR
IRON	NR		VANADIUM	NR
LEAD	10		ZINC	NR

COMMENTS:

NR = NOT REQUESTED

APPENDIX E-2

THIRD PHASE GROUNDWATER DATA

PESTICIDES AND PCBS

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E.C. Jordan Co.

**PESTICIDES AND PCBS**

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**E.C. Jordan Co.**

TABLE 1

Table 1  
Laboratory Report of Analysis

SAMPLE LOCATION: JMW107AXXD JMW107AXXX  
 LAB NUMBER: 1278403 1278402  
 DATE SAMPLED: 06/04/92 06/04/92  
 DATE EXTRACTED: 06/10/92 06/10/92  
 DATE ANALYZED: 06/26/92 06/26/92

SNW-03/90 - 11 CRQL

ANALYTE	0.05	0.05	0.05	0.05
alpha-BHC	0.05	U	0.05	U
beta-BHC	0.05	U	0.05	U
delta-BHC	0.05	U	0.05	U
gamma-BHC (Lindane)	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U
Aldrin	0.05	U	0.05	U
Heptachlor Epoxide	0.05	U	0.05	U
Endosulfan I	0.05	U	0.05	U
Dieldrin	0.1	U	0.1	U
4,4'-DDE	0.1	U	0.1	U
Endrin	0.1	U	0.1	U
Endosulfan II	0.1	U	0.1	U
4,4'-DDD	0.1	U	0.1	U
Endrin Aldehyde	0.1	U	0.1	U
Endosulfan Sulfate	0.1	U	0.1	U
4,4'-DDT	0.1	U	0.1	U
Methoxychlor	0.5	U	0.5	U
Endrin Ketone	0.1	U	0.1	U
alpha-Chlordane	0.05	U	0.05	U
gamma-Chlordane	0.05	U	0.05	U
Toxaphene	5	U	5	U
Aroclor-1016	1	U	1	U
Aroclor-1221	2	U	2	U
Aroclor-1232	1	U	1	U
Aroclor-1242	1	U	1	U
Aroclor-1248	1	U	1	U
Aroclor-1254	1	U	1	U
Aroclor-1260	1	U	1	U
Dilution Factor:	1.00		1.00	

Associated Method Blank: PBLK452 PBLK452  
 Associated Equipment Blank: JQSXX1XXXX JQSXX1XXXX  
 Associated Field Blank: - -

Site: NORTH LAWRENCE



TABLE 2

Table 2  
Validation / Summary Table

SAMPLE LOCATION: JMW107AXXD JMW107AXXX  
 LAB NUMBER: 1278403 1278402  
 DATE SAMPLED: 06/04/92 06/04/92  
 DATE EXTRACTED: 06/10/92 06/10/92  
 DATE ANALYZED: 06/26/92 06/26/92

ANALYTE	SOW-05/90 - II CRQL			
alpha-BHC	0.05	0.05	U	0.05
beta-BHC	0.05	0.05	U	0.05
delta-BHC	0.05	0.05	U	0.05
gamma-BHC (Lindane)	0.05	0.05	U	0.05
Heptachlor	0.05	0.05	U	0.05
Aldrin	0.05	0.05	U	0.05
Heptachlor Epoxide	0.05	0.05	U	0.05
Endosulfan I	0.05	0.05	U	0.05
Dieldrin	0.1	0.1	U	0.1
4,4'-DDE	0.1	0.1	U	0.1
Endrin	0.1	0.1	U	0.1
Endosulfan II	0.1	0.1	U	0.1
4,4'-DDD	0.1	0.1	U	0.1
Endrin Aldehyde	0.1	0.1	U	0.1
Endosulfan Sulfate	0.1	0.1	U	0.1
4,4'-DDT	0.5	0.5	U	0.5
Methoxychlor	0.1	0.1	U	0.1
Endrin Ketone	0.1	0.1	U	0.1
alpha-Chlordane	0.05	0.05	U	0.05
gamma-Chlordane	0.05	0.05	U	0.05
Toxaphene	5	5	U	5
Aroclor-1016	1	1	U	1
Aroclor-1221	2	2	U	2
Aroclor-1232	1	1	U	1
Aroclor-1242	1	1	U	1
Aroclor-1248	1	1	U	1
Aroclor-1254	1	1	U	1
Aroclor-1260	1	1	U	1
-----				
Dilution Factor:	1.00			1.00

Associated Method Blank: PBLK452  
 Associated Equipment Blank: JQSXX1XXXX  
 Associated Field Blank: JQSXX1XXXX

Site: NORTH LAWRENCE

TABLE 3

Table 3  
Summary Table

SAMPLE LOCATION: JMU107AXXD JMU107AXXX  
 LAB NUMBER: 1278403 1278402  
 DATE SAMPLED: 06/04/92 06/04/92  
 DATE EXTRACTED: 06/10/92 06/10/92  
 DATE ANALYZED: 06/26/92 06/26/92

ANALYTE	SQM-03/90 - 11 CRQL		
alpha-BHC	0.05	-	-
beta-BHC	0.05	-	-
delta-BHC	0.05	-	-
gamma-BHC (Lindane)	0.05	-	-
Heptachlor	0.05	-	-
Aldrin	0.05	-	-
Heptachlor Epoxide	0.05	-	-
Endosulfan I	0.05	-	-
Dieldrin	0.1	-	-
4,4'-DDE	0.1	-	-
Endrin	0.1	-	-
Endosulfan II	0.1	-	-
4,4'-DDD	0.1	-	-
Endrin Aldehyde	0.1	-	-
Endosulfan Sulfate	0.1	-	-
4,4'-DDT	0.1	-	-
Methoxychlor	0.5	-	-
Endrin Ketone	0.1	-	-
alpha-Chlordane	0.05	-	-
gamma-Chlordane	0.05	-	-
Toxaphene	5	-	-
Aroclor-1016	1	-	-
Aroclor-1221	2	-	-
Aroclor-1252	1	-	-
Aroclor-1242	1	-	-
Aroclor-1248	1	-	-
Aroclor-1254	1	-	-
Aroclor-1260	1	-	-
-----			
Dilution Factor:	1.00	1.00	

Associated Method Blank: PBLK452  
 Associated Equipment Blank: JQSXX1XXXX  
 Associated Field Blank: -

Site: NORTH LAWRENCE



**APPENDIX F**

**BASE MAP**

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**E.C. Jordan Co.**