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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

START-02-F-00570

TRANSMITTAL MEMO

To: Nicholas Magriples, OSC
Removal Action Branch, U.S. EPA Region II

From: Smita Sumbaly, Data Reviewer
Kathy Campbell, PM
START Region II

Subject: Cornell-Dubilier Electronics Site
Data Validation Assessment

Date: September 30, 1996

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

  TCL PCBs 50 samples

- Matrices and Number of Samples

  Soil 48 samples
  Aqueous 02 samples

- Sampling date: June 27 & 29, 1996.

The final data assessment narrative and original analytical data package are attached.

cc: START PM Kathy Campbell
START FILE TDD #:02-9604-0003
TDD #:02-9606-0021
PCS #:1416

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: September 30, 1996

TO: Nicholas Magriples, OSC
USEPA Region II

FROM: Smita Sumbaly
START Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Blanks
Spectra Matching Quality	DFTPP and BFB Tuning
Surrogate Spikes	Chromatography
Matrix Spikes/Duplicates	Holding Times
Calibration	Compound ID (HSL, TIC)

Any statistical measures used to support the following conclusions are attached so that the review may be reviewed by others.

Summary of Results

	I TCL-PCBs	II	III	IV
Acceptable as Submitted				
Acceptable with Comments	X			
Unacceptable, Action Pending				
Unacceptable				

Data Reviewed by: Smita Sumbaly Date: 09/30/96

Approved By: [signature] Date: 9/30/96

Area Code/Phone No.: (908) 225-6116

NARATIVE

CASE No. 1416

SITE NAME: Cornell-Dubilier Electronics Site

South Plainfield, New Jersey.

Laboratory Name: Industrial Corrosion Management, Inc. (ICM),
Randolph, New Jersey.

INTRODUCTION:

The laboratory's portion of this Case consisted of 48 - soil and 2- Aqueous samples collected on June 27 & 29, 1996.

The laboratory reported No problem(s) with the receipt of these samples.

The laboratory reported No problems with the analyses of Target Compound List (TCL) polychlorinated biphenyls (PCBs) analytical parameters.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Evaluation by Fraction

PCBs

_Y_ Holding Times	_Y_ Calibration Linearity
_Y_ Instrument Performance	_Y_ Blank
_NA_ DDT RT/12 Minutes?	_Y_ Surrogate Recovery
_Y_ Retention Time Window	_Y_ MS/MSD
_Y_ Analytical Sequence	_Y_ Compound ID (HSL,TIC)
_NA_ DDT/Endrin Degradation	_Y_ Standards
_Y_ RT Check for DBC	_Y_ Chromatography

Comments:

1. Refer to Data Assessment Narrative.

REGION II START DATA ASSESSMENT REPORT

RFP PROJECT #: 1416 **CASE #:** 238930 & 238543 **SDG#:** RIN1A & RIN2A

LAB: Industrial Corrosion Management, Inc. **LAB CODE:** ICM

SITE: Cornell Dubilier Electronics

ANALYSIS: Target Compound List (TCL) - polychlorinated biphenyls (PCBs)

CONTRACTOR: START **REVIEWER:** Smita Sumbaly

CERCLIS ID #:

MATRIX:
Water: 2
Soil/Sediment: 48
Liquid: NA

The current Functional Guidelines for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detects), "R" (unusable), or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Analytical data qualified as "JN" or "R" may not be used to demonstrate compliance with Toxicity Characteristic or Land Ban Regulations.

Reviewer's Signature: Smita Sumbaly **Date:** 9/30/1996

Verified By: _____ **Date:** __/__/19__

On June 27 & 29, 1996, USEPA Region II personnel collected 48 investigative soil samples and two low concentration aqueous rinsate blanks for Target Compound List (TCL) - polychlorinated biphenyl compounds - PCBs from the Cornell Dubilier Electronics Site, South Plainfield, New Jersey. Within twenty-four hours of collection, samples were hand-delivered to Industrial Corrosion Management (ICM), Inc, Randolph, New Jersey. The laboratory verified that samples were received intact and properly custody sealed. (sample cooler temperature recorded at 2.7°C & 3.1°C).

Target Compound List (TCL) organic analyses for polychlorinated biphenyls - PCBs were performed following the Contract Laboratory Program (CLP) Statement of Work (SOW) number OLM03.0.

Client identification (ID) and laboratory ID numbers: SDG: RIN1A

Client ID No.	Laboratory ID No.	Matrix	Sampling Date
SS1 [3]	238536	Soil	06/27/96
SS2	238538	Soil	06/27/96
SS3	238540	Soil	06/27/96
SS4	238542	Soil	06/27/96
SS5	238546	Soil	06/27/96
SS6	238548	Soil	06/27/96
SS7	238552	Soil	06/27/96
SS8	238554	Soil	06/27/96
SS9	238556	Soil	06/27/96
SS10	238558	Soil	06/27/96
SS11	238560	Soil	06/27/96
SS12	238562	Soil	06/27/96
SS26 [1]	238550	Soil	06/27/96
S1 [3]	238535	Soil	06/27/96
S2	238537	Soil	06/27/96
S3	238539	Soil	06/27/96
S4	238541	Soil	06/27/96
S5	238545	Soil	06/27/96
S6	238547	Soil	06/27/96
S7	238551	Soil	06/27/96
S8	238553	Soil	06/27/96
S9	238555	Soil	06/27/96
S10	238557	Soil	06/27/96
S11	238559	Soil	06/27/96
S12	238561	Soil	06/27/96
S26 [1]	238549	Soil	06/27/96
RIN1A [2]	238543	Water	06/27/96

1) Soil samples S26 & SS26 are field duplicate sample of soil samples S6 & SS6.
2) Aqueous Rinsate blank sample RIN1A is associated with the above soil samples.

A.2.2 Data Assessment (continued):

3) Soil samples S1 & SS1 were designated on the Chain-of-Custody record for Quality Control (QC) analyses.

Client identification (ID) and laboratory ID numbers: SDG: RIN2A

Client ID No.	Laboratory ID No.	Matrix	Sampling Date
SS13	238910	Soil	06/29/96
SS14	238912	Soil	06/29/96
SS15 [3]	238914	Soil	06/29/96
SS16	238916	Soil	06/29/96
SS17	238918	Soil	06/29/96
SS18	238920	Soil	06/29/96
SS19	238922	Soil	06/29/96
SS20	238924	Soil	06/29/96
SS21	238926	Soil	06/29/96
SS22	238927	Soil	06/29/96
SS28 [1]	238932	Soil	06/29/96
S13	238909	Soil	06/29/96
S14	238911	Soil	06/29/96
S15 [3]	238913	Soil	06/29/96
S16	238915	Soil	06/29/96
S17	238917	Soil	06/29/96
S18	238919	Soil	06/29/96
S19	238921	Soil	06/29/96
S20	238923	Soil	06/29/96
S21	238925	Soil	06/29/96
S22	238927	Soil	06/29/96
S28 [1]	238931	Soil	06/29/96
RIN2B [2]	238543	Water	06/29/96

1) Soil samples S28 & SS28 are field duplicate sample of soil samples S17 & SS17.
2) Aqueous Rinsate blank sample RIN2B is associated with the above soil samples.
3) Soil samples S15 & SS15 were designated on the Chain-of-Custody record for Quality Control (QC) analyses.

A.2.2 Data Assessment (continued):

1. HOLDING TIMES:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following analytes in the samples shown were qualified because of holding time:

PCBs : Contractual extraction and analysis holding time requirements were met by the laboratory for all samples associated with RFP No. 1416 (extraction within ten (10) days of the Validated Time of Sample receipt (VTSR) for non-aqueous samples; analysis within forty (40) days of extraction).

A.2.2 Data Assessment (continued):

2). BLANK CONTAMINATION:

Quality Assurance (QA) blanks [i.e., method, trip, field or rinse blanks] are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the samples shown were qualified with "U" for these reasons:

A) Method Blank Contamination

PCBs - The following compounds were qualified as non-detected "U" in the associated samples due to method blank contamination:

Compound	Associated Samples

PCB compounds were not detected by the laboratory in the associated method blank; samples data were not qualified based on method blank contamination.

B) Field or Rinse Blank Contamination

PCBs - The following compounds were qualified as non-detected "U" in the associated samples due to rinseblank contamination:

Compound	Associated Samples

PCB compound - Aroclor 1254 was detected by the laboratory in the associated rinsate blank sample (RIN2B) but, data were not qualified based on rinsate blank contamination because sample concentrations were greater than 5 X CRQL and greater than 5 X rinse blank value.

A.2.2 Data Assessment (continued):

4. CALIBRATION:

B) PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these QC limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J"; and non-detects are flagged "UJ". If %RSD and/or %D grossly exceed QC criteria, non-detect data may be qualified "R".

For the PESTICIDE/PCB fraction, if %RSD exceeds 20% for all analytes except for the 2 surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the samples shown were qualified for %RSD and %D:

Initial Calibration

PCBs - The following compounds were qualified as estimated "J" or rejected "R" in the associated samples because the linearity criteria or the percent relative standard deviation (%RSD) of the Initial Calibration is > 20% for either one or both GC columns:

Compound	Percent Recovery	Qualifier	Associated	Sample(s)

Initial Calibration %RSD and mean RRF values did not exceed specified QC criteria for GC/ECD columns DB-1701 and DB-5 (≤ 20%). Data were therefore not qualified due to Initial Calibration QC criteria.

Continuing Calibration

Pest/PCBs - The following compounds were qualified as estimated "J" in the associated samples because the Continuing Calibration %D is between 20-90% for these compounds on the primary GC column:

Compound	Associated Samples

The Continuing Calibration verifications associated with RFP No. 1416 are within acceptance QC criteria (%D ≤ 15%). Additionally, the Retention Time (RT) for aroclor data on each of the respective GC columns are within the RT windows established during the associated Initial Calibration sequence. Qualification of data based on Continuing Calibration QC criteria was not required.

A.2.2 Data Assessment (continued):

5. SURROGATES/SYSTEM MONITORING COMPOUNDS (SMC):

All samples are spiked with surrogate/SMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate/SMC concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below. The following analytes for the samples shown were qualified because of surrogate/SMC recovery:

PCBs - The following compounds were either qualified as estimated "J" or rejected "R" due to Tetrachloro-m-xylene (TCX) and Decachlorobiphenyl (DCB) surrogate recoveries are both outside specified advisory QC limits (30-150%):

SDG: RIN2A

Surrogate	Recovery	Qualifier	Compounds	Sample(s)
Tetrachloro-m-xylene (TCX) & Decachlorobiphenyl (DCB)	between 10-30%	"J"	7	SS28
Decachlorobiphenyl (DCB)	< 10%	"R" "J [1]"	6 1	SS13 DL & S 19

SDG: RIN1A

Tetrachloro-m-xylene (TCX) & Decachlorobiphenyl (DCB)	between 10-30%	"J"	7	S10 DL & S10
Decachlorobiphenyl (DCB)	< 10%	"R" "J [1]"	6 1	S7 DL & S 12
Tetrachloro-m-xylene (TCX)	< 10%	"R" "J [1]"	6 1	SS5

[1] Positive values only were qualified as estimated "J" in the associated samples.

Surrogate recoveries outside QC criteria (< 10%) may be attributable to the required dilution of the extract during analysis and/or due to matrix interference.

Note: Data were qualified because recoveries for both surrogates are outside specified QC limits and above 10%, or either surrogate has a percent recovery below 10%.

Note: Advisory surrogates in samples failed quality control criteria. The recoveries were greater than the laboratory's internal minimum acceptance criteria limit of twenty percent (20%) and were therefore reported without further analysis. Recoveries below 20% indicate possible extraction problems. Method blanks prepared and analyzed concurrently with these samples met all contamination criteria. Data were therefore reported without further analysis by the laboratory.

A.2.2 Data Assessment (continued):

8. COMPOUND IDENTIFICATION:

B) PCB FRACTION:

The retention time of the reported compounds must fall within the calculated retention time windows for the two chromatographic columns.

PCBs - The results for the positive compound Arochlor-1254 fell within the retention time windows established during the initial calibration sequence for all samples associated with Case No. 1416.

PCBs- The results of Aroclor-1254 exceeded the highest calibration standard of the initial calibration sequence in the undiluted analysis, therefore all samples were re-analyzed at a dilution to bring the results for Aroclor-1254 within the calibration range of the instrument.

PCBs - The following compounds were qualified as estimated "J" in the associated soil field duplicate samples (S26 & S6 , SS26 & SS6, S28 & S17 and SS28 & SS17) because the Relative Percent Difference (RPD) between the sample (S) and field duplicate sample (FD) is > 100% for the indicated compound(s):

Compound	Associated Field Duplicate Samples

No qualification of data was performed by the data reviewer because field duplicate data met QC criteria.

A.2.2 Data Assessment (continued):

B) PESTICIDE FRACTION (continued):

PCBs - The following detected compounds were qualified due to a percent difference (%D) between the primary and confirmation columns > 25%:

SDG: RIN2A

Compound	%D	Qualifier	Sample(s)
Aroclor-1254	between 25-50%	"J"	SS15, SS19, SS21 & SS22

SDG: RIN1A

Compound	%D	Qualifier	Sample(s)
Aroclor-1254	between 25-50%	"J"	SS9, S4, S6, S10[1], S11 DL & S26

1 This compound was previously qualified as estimated "J" due to surrogate recovery QC criteria outside the control limit.

B) PESTICIDE FRACTION (continued):

PCBs - Due to professional judgement, the lower of two positive values generated by the laboratory from the primary and confirmation column analyses was used to report final results for the following pesticide compounds:

	Compound	Sample No.	Primary Column Value	Confirmation Column Value
SDG: RIN2A	Aroclor-1254	SS14 DL	2600	2400
		SS16	24000	23000
		S16 DL	9100	9000
		S21	160000	150000
SDG: RIN1A	Aroclor-1254	SS2 DL	92000	88000
		SS8	1100	1000
		SS8 DL	1800	1600
		SS11 DL	2000	1700
		S2 DL	61000	59000
		S3 DL	3900	3600
		S8 DL	92000	90000
		S9 DL	74000	73000
		S10 DL	12000	11000
		S11 DL	7300	4900

A.2.2 Data Assessment (continued):

Note: During the initial calibration sequence, absolute retention times are determined for all single response pesticides, the surrogates, and at least three major peaks of each multi-component analyte. Windows are centered around the mean absolute retention time for the analyte established during the initial calibration. Analytes are identified when peaks are observed in the retention time window for the compound on both GC columns. The quant reports listed many potential pesticide compounds for consideration. Comparison of the sample retention times to the retention time windows established during the initial calibration revealed that no additional pesticide compounds were detected in the associated samples. In addition, no shifts for surrogate compound retention times were noted to occur that might require consideration of compounds outside respective retention time windows.

A.2.2 Data Assessment (continued):

9. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for some additional qualification of the data. The following analytes, for the samples shown, were qualified because of MS/MSD:

The laboratory indicated in the case narrative that samples SS15, S15, SS1 & S1 were used as the original to prepare the duplicate matrix spikes.

PCBs - The following sample data were either qualified as estimated "J" or rejected "R" due to exceeding matrix spike & duplicate spike recovery QC criteria:

Original Sample	Spike Recovery	Qualifier	Compound(s)
SS15, S15, SS1 & S1	1		

1 matrix spikes and Duplicate matrix spikes (SS15 MS & SS15 MSD, S15 MS & S15 MSD, SS1 MS & SS1 MSD and S1 MS & S1 MSD) were analyzed at the same level of dilution (1:50) as the original sample (SS15, S15, SS1 & S1). The matrix spike and matrix spike duplicate recoveries were outside the QC limits due to the high concentration of Aroclor present in the samples. Using professional judgement, no qualification of associated PCB sample data was required due to MS/MSD criteria.

A.2.2 Data Assessment (continued):

10. OTHER QC DATA OUT OF SPECIFICATION (continued):

The following soil/sediment/solid sample data (other than TCLP data) were either qualified as estimated "J" (% solids between 10-50%) or rejected "R" (% solids < 10%) because the sample contains more than 50% water:

Fraction	Percent Solids	Qualifier	# Compounds	Sample(s)
PCBs	between 10-50%	"J"	7	SS10 & S10[1]

[1] This sample was previouly qualified as estimated "J" due to surrogate recovery outside the control limit.

A.2.2 Data Assessment (continued):

10. OTHER QC DATA OUT OF SPECIFICATION (continued):

The following compounds were qualified as estimated "J" in the indicated samples because the on-column amount of these compounds exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration Sequence:

Fraction	Sample(s)	Compound(s)

No qualification required.

A.2.2 Data Assessment (continued):

11. **This package contain re-extraction, re-analysis or dilution results. Upon reviewing the QA results, the following Form I(s) are identified to be used:**

PCB Fraction:	Use Sample(s)	Do Not Use Sample(s)
SDG: RIN2A	SS13, SS14, SS15, SS16, SS17,SS19, SS20, SS21, SS22 SS28, S13, S14, S15, S16, S17, S18, S19 DL, S20 S21, S22 & S28	SS13 DL, SS14 DL, SS15 DL,SS16 DL, SS17 DL, SS19 DL, SS20DL, SS21 DL, SS22 DL, SS28 DL, S13 DL, S14 DL, S15 DL, S16 DL, S17 DL, S18 DL, S19 S20 DL, S21 DL & S28 DL.
SDG: RIN1A	SS1, SS2, SS3, SS4, SS5 DL, SS6, SS7, SS8, SS9, SS10, SS11, SS12, SS26, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12 DL & S26	SS1 DL, SS2 DL, SS3 DL, SS4 DL, SS5, SS6 DL, SS7 DL, SS8 DL, SS9 DL, SS10 DL, SS11 DL, SS12 DL, SS26 DL, S1 DL, S2 DL, S3 DL, S4 DL, S5 DL, S6 DL, S7 DL, S8 DL, S9 DL, S10 DL, S11 DL, S12 & S26 DL.

1 Due to professional judgement, data from the indicated sample will be used instead of data from the associated sample re-analysis and/or dilution analysis because overall QC criteria is better met in the original sample analysis.

A.2.2 Data Assessment (continued):

CONTRACT PROBLEMS_____NON-COMPLIANCE:

SDG: RIN 2A

Laboratory failed to qualify Form I's with an "E" qualifier to indicate their unreliability due to exceeding the calibration range. Data reviewer corrected Form I's.

SDG: RIN1A & RIN 2A

A multi component analyte Aroclor - 1254 was detected in all samples, but a matching multi component standard was not analyzed within 72 hours of the injection of the sample and within a valid 12 hour sequence.

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil SS1 238536	Soil SS2 238538	Soil SS3 238540	Soil SS4 238542	Soil SS5 238546
Percent Moisture		8.0	11	9	9	24
Dilution Factor		10.0	20.0	1.0	5.0	10000.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	37000	88000	77.0	14000	5000000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 100 X D/F	Aroclor-1254 200 X D/F		Aroclor-1254 50 X D/F	

Polychlorinated Biph	Method Detection Limit	Soil SS6 238548	Soil SS7 238552	Soil SS8 238554	Soil SS9 238556	Soil SS10 238558	
Percent Moisture		25	20	12	11	63	
Dilution Factor		500.0	1.0	1.0	1.0	10	
Aroclor-1016	33.0	U	U	U	U	U	J
Aroclor-1221	67.0	U	U	U	U	U	J
Aroclor-1232	33.0	U	U	U	U	U	J
Aroclor-1242	33.0	U	U	U	U	U	J
Aroclor-1248	33.0	U	U	U	U	U	J
Aroclor-1254	33.0	2700000	3300	1600	5400	100000	J
Aroclor-1260	33.0	U	U	U	U	U	J
		Aroclor-1254 5000 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 5 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 100 X D/F	

Polychlorinated Biph	Method Detection Limit	Soil SS11 238560	Soil SS12 238562	Soil SS26 238550	Soil S1 238535	Soil S2 238537
Percent Moisture		11	17	24	1	8
Dilution Factor		1.0	3.0	500.0	2.0	10.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	1700	7500	1900000	6200	59000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	Aroclor-1254 5000 X D/F	Aroclor-1254 20 X D/F	Aroclor-1254 100 X D/F

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil S3 238539	Soil S4 238541	Soil S5 238545	Soil S6 238547	Soil S7 238551
Percent Moisture		6	7	11	13	23
Dilution Factor		1.0	3.0	200.0	1000.0	20.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	3600	16000	1000000	3000000	100000 J
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	Aroclor-1254 2000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 200 X D/F

Polychlorinated Biph	Method Detection Limit	Soil S8 238553	Soil S9 238555	Soil S10 238557	Soil S11 238559	Soil S12 238561
Percent Moisture		11	14	57	4	7
Dilution Factor		20.0	20.0	1.0	3.0	1000.0
Aroclor-1016	33.0	U	U	U J	U	U
Aroclor-1221	67.0	U	U	U J	U	U
Aroclor-1232	33.0	U	U	U J	U	U
Aroclor-1242	33.0	U	U	U J	U	U
Aroclor-1248	33.0	U	U	U J	U	U
Aroclor-1254	33.0	90000	73000	11000 J	4900 J	190000
Aroclor-1260	33.0	U	U	U J	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	

SAMPLE #/CONCENTRATION (µg/L)

Polychlorinated Biph	Method Detection Limit	Soil S26 238549		Method Detection Limit	Water RIN1A 238543	
Percent moisture		15			-	
Dilution Factor		1000.0			1.0	
Aroclor-1016	33.0	U		1.0	U	
Aroclor-1221	67.0	U		2.0	U	
Aroclor-1232	33.0	U		1.0	U	
Aroclor-1242	33.0	U		1.0	U	
Aroclor-1248	33.0	U		1.0	U	
Aroclor-1254	33.0	3900000		1.0	U	
Aroclor-1260	33.0	U		1.0	U	
		Aroclor-1254 10000 X D/F				

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil SS13 238910	Soil SS14 238912	Soil SS15 238914	Soil SS16 238916	Soil SS17 238918
Percent Moisture		3.0	10	9	11	10
Dilution Factor		20.0	1.0	2.0	20.0	1.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	37000 J	2400	12000	30000	2700
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 20 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS18 238920	Soil SS19 238922	Soil SS20 238924	Soil SS21 238926	Soil SS22 238927
Percent Moisture		10	13	8	23	5
Dilution Factor		1.0	5000	1000	1000	10
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	U	22000000	1600000	5500000	1000000
Aroclor-1260	33.0	U	U	U	U	U
			Aroclor-1254 50000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 500 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS28 238932	Soil S13 238909	Soil S14 238911	Soil S15 238913	Soil S16 238915
Percent Moisture		9	5	3	3	3
Dilution Factor		1.0	20.0	10.0	20.0	5.0
Aroclor-1016	33.0	U J	U	U	U	U
Aroclor-1221	67.0	U J	U	U	U	U
Aroclor-1232	33.0	U J	U	U	U	U
Aroclor-1242	33.0	U J	U	U	U	U
Aroclor-1248	33.0	U J	U	U	U	U
Aroclor-1254	33.0	720 J	29000	28000	45000	9000
Aroclor-1260	33.0	U J	U	U	U	U
			Aroclor-1254 200 X D/F	Aroclor-1254 100 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 50 X D/F

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil S17 238917	Soil S18 238919	Soil S19 238921	Soil S20 238923	Soil S21 238925
Percent Moisture		8	10	3	3	4
Dilution Factor		20.0	2.0	2000	5.0	100
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	32000	8500	340000	11000	180000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 20 X D/F		Aroclor-1254 50 X D/F	Aroclor-1254 1000 X D/F

Polychlorinated Biph	Method Detection Limit	Soil S22 238927	Soil S28 238931			
Percent Moisture		5	3			
Dilution Factor		100.0	10.0			
Aroclor-1016	33.0	U	U			
Aroclor-1221	67.0	U	U			
Aroclor-1232	33.0	U	U			
Aroclor-1242	33.0	U	U			
Aroclor-1248	33.0	U	U			
Aroclor-1254	33.0	83000	26000			
Aroclor-1260	33.0	U	U			
			Aroclor-1254 100 X D/F			

SAMPLE #/CONCENTRATION (µg/L)

Polychlorinated Biph	Method Detection Limit	Water RIN2B 238930				
Percent moisture		-				
Dilution Factor		1.0				
Aroclor-1016	1.0	U				
Aroclor-1221	2.0	U				
Aroclor-1232	1.0	U				
Aroclor-1242	1.0	U				
Aroclor-1248	1.0	U				
Aroclor-1254	1.0	2.3				
Aroclor-1260	1.0	U				

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

SDG NARRATIVE

LABORATORY NAME: Industrial Corrosion Management, Inc.
LOCATION: 1152 Route 10, Randolph, NJ 07869
CASE NAME: Roy F. Weston, Inc.
CASE NUMBER: RFP No. 1416
SDG NUMBER: RIN1A

Pesticides/PCBs:

1. Column utilized for Pesticide/PCB analysis: J&W Scientific DB608 30m x 0.53 ID, 0.83 um film thickness and J&W Scientific DB1701 30m x 0.53 ID, 1.0 um film thickness

2. The following symbols will be used on the Pesticides/PCBs chromatograms:

OW = outside window
NP = No pattern of multicomponent compounds
<0.5 CRQL = Less than the CRQL value
NC = Not confirmed
NT = Non-targeted compound

3. Due to software limitations, the following samples could not be reported as part of the analytical sequence on FORM VIII PEST: GPC BLK, GPC PEST, GPC PCB,

4. Form 2F: Surrogate recoveries for a number of samples were outside QC limits or had 0% recovery. This is due to the high concentration of Aroclor in the samples and the high dilutions needed to get the Aroclor within chromatographic criteria.

5. Form 3F: MS/MSD recoveries for a number of spike compounds were outside QC limits due to the high concentration of Aroclor present in the sample. As per the SOW these limits are advisory and no further action is required.

6. PIBLK15 did not transfer from the GC instrument to the computer, therefore no data can be submitted for this sample. PIBLK16 ran directly after PIBLK15, and data is submitted for this sample.

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

Richard S. Levine
Laboratory Manager

Date

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN1A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) WATER Lab Sample ID: 238543

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03151

% Moisture: _____ decanted: (Y/N)___ Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/03/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: SS1

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238536

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03343

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	35.	U
72-55-9	4,4'-DDE	35.	U
72-20-8	Endrin	35.	U
33213-65-9	Endosulfan II	35.	U
72-54-8	4,4'-DDD	35.	U
1031-07-8	Endosulfan Sulfate	35.	U
50-29-3	4,4'-DDT	35.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	35.	U
7421-93-4	Endrin aldehyde	35.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	350.	U
11104-28-2	Aroclor-1221	720.	U
11141-16-5	Aroclor-1232	350.	U
53469-21-9	Aroclor-1242	350.	U
12672-29-6	Aroclor-1248	350.	U
11097-69-1	Aroclor-1254	37000 ~~21000~~	~~E~~ D*
11096-82-5	Aroclor-1260	350.	U

D* value transferred from dilution analysis SS1DL 100 x D/F

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238538

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03266

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	74.	U
72-55-9	4,4'-DDE	74.	U
72-20-8	Endrin	74.	U
33213-65-9	Endosulfan II	74.	U
72-54-8	4,4'-DDD	74.	U
1031-07-8	Endosulfan Sulfate	74.	U
50-29-3	4,4'-DDT	74.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	74.	U
7421-93-4	Endrin aldehyde	74.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	740.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	740.	U
53469-21-9	Aroclor-1242	740.	U
12672-29-6	Aroclor-1248	740.	U
11097-69-1	Aroclor-1254	88000 ~~50000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	740.	U

D* Value transferred from diluted analysis SS2 DL 200 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238540

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03165

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	72.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	77.	
11096-82-5	Aroclor-1260	36.	U

1D

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SS4

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238542

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03268

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 9.0 Sulfur Cleanup: (Y/N) N

use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9.3	U
319-85-7	beta-BHC	9.3	U
319-86-8	delta-BHC	9.3	U
58-89-9	gamma-BHC (Lindane)	9.3	U
76-44-8	Heptachlor	9.3	U
309-00-2	Aldrin	9.3	U
1024-57-3	Heptachlor epoxide	9.3	U
959-98-8	Endosulfan I	9.3	U
60-57-1	Dieldrin	18.	U
72-55-9	4,4'-DDE	18.	U
72-20-8	Endrin	18.	U
33213-65-9	Endosulfan II	18.	U
72-54-8	4,4'-DDD	18.	U
1031-07-8	Endosulfan Sulfate	18.	U
50-29-3	4,4'-DDT	18.	U
72-43-5	Methoxychlor	93.	U
53494-70-5	Endrin ketone	18.	U
7421-93-4	Endrin aldehyde	18.	U
5103-71-9	alpha-Chlordane	9.3	U
5103-74-2	gamma-Chlordane	9.3	U
8001-35-2	Toxaphene	930.	U
12674-11-2	Aroclor-1016	180.	U
11104-28-2	Aroclor-1221	370.	U
11141-16-5	Aroclor-1232	180.	U
53469-21-9	Aroclor-1242	180.	U
12672-29-6	Aroclor-1248	180.	U
11097-69-1	Aroclor-1254	14000 ~~8200.~~	~~E~~ D*
11096-82-5	Aroclor-1260	180.	U

D* value transferred from diluted analysis SS4 DL 50 x D/F.

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5	DL

I b Name: ICM Contract:

I-b Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238546

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03242

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor:10000.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	23000.	U
319-85-7	beta-BHC	23000.	U
319-86-8	delta-BHC	23000.	U
58-89-9	gamma-BHC (Lindane)	23000.	U
76-44-8	Heptachlor	23000.	U
309-00-2	Aldrin	23000.	U
1024-57-3	Heptachlor epoxide	23000.	U
959-98-8	Endosulfan I	23000.	U
60-57-1	Dieldrin	44000.	U
72-55-9	4,4'-DDE	44000.	U
72-20-8	Endrin	44000.	U
33213-65-9	Endosulfan II	44000.	U
72-54-8	4,4'-DDD	44000.	U
1031-07-8	Endosulfan Sulfate	44000.	U
50-29-3	4,4'-DDT	44000.	U
72-43-5	Methoxychlor	230000.	U
53494-70-5	Endrin ketone	44000.	U
7421-93-4	Endrin aldehyde	44000.	U
5103-71-9	alpha-Chlordane	23000.	U
5103-74-2	gamma-Chlordane	23000.	U
8001-35-2	Toxaphene	2300000.	U
12674-11-2	Aroclor-1016	440000.	U
11104-28-2	Aroclor-1221	890000.	U
11141-16-5	Aroclor-1232	440000.	U
53469-21-9	Aroclor-1242	440000.	U
12672-29-6	Aroclor-1248	440000.	U
11097-69-1	Aroclor-1254	5000000.	D
11096-82-5	Aroclor-1260	440000.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6

I b Name: ICM Contract:

I-b Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238548

S mple wt/vol: 30.4 (g/mL) G Lab File ID: 03272

% Moisture: 25. decanted: (Y/N) N Date Received: 06/28/96

E traction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

I jection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1100.	U
319-85-7	beta-BHC	1100.	U
319-86-8	delta-BHC	1100.	U
58-89-9	gamma-BHC (Lindane)	1100.	U
76-44-8	Heptachlor	1100.	U
309-00-2	Aldrin	1100.	U
1024-57-3	Heptachlor epoxide	1100.	U
959-98-8	Endosulfan I	1100.	U
60-57-1	Dieldrin	2200.	U
72-55-9	4,4'-DDE	2200.	U
72-20-8	Endrin	2200.	U
33213-65-9	Endosulfan II	2200.	U
72-54-8	4,4'-DDD	2200.	U
1031-07-8	Endosulfan Sulfate	2200.	U
50-29-3	4,4'-DDT	2200.	U
72-43-5	Methoxychlor	11000.	U
53494-70-5	Endrin ketone	2200.	U
7421-93-4	Endrin aldehyde	2200.	U
5103-71-9	alpha-Chlordane	1100.	U
5103-74-2	gamma-Chlordane	1100.	U
8001-35-2	Toxaphene	110000.	U
12674-11-2	Aroclor-1016	22000.	U
11104-28-2	Aroclor-1221	44000.	U
11141-16-5	Aroclor-1232	22000.	U
53469-21-9	Aroclor-1242	22000.	U
12672-29-6	Aroclor-1248	22000.	U
11097-69-1	Aroclor-1254	270000 ~~1600000.~~	E D*
11096-82-5	Aroclor-1260	22000.	U

D* value transferred from diluted analysis SS6DL 5000 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238552

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03427

% Moisture: 20. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan Sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	3300 ~~2100.~~	~~6~~ D*
11096-82-5	Aroclor-1260	41.	U

D* Value transferred from diluted analysis SS7 DL 10 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238554

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03431

% Moisture: 12. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
319-84-6	alpha-BHC		1.9	U
319-85-7	beta-BHC		1.9	U
319-86-8	delta-BHC		1.9	U
58-89-9	gamma-BHC (Lindane)		1.9	U
76-44-8	Heptachlor		1.9	U
309-00-2	Aldrin		1.9	U
1024-57-3	Heptachlor epoxide		1.9	U
959-98-8	Endosulfan I		1.9	U
60-57-1	Dieldrin		3.7	U
72-55-9	4,4'-DDE		3.7	U
72-20-8	Endrin		3.7	U
33213-65-9	Endosulfan II		3.7	U
72-54-8	4,4'-DDD		3.7	U
1031-07-8	Endosulfan Sulfate		3.7	U
50-29-3	4,4'-DDT		3.7	U
72-43-5	Methoxychlor		19.	U
53494-70-5	Endrin ketone		3.7	U
7421-93-4	Endrin aldehyde		3.7	U
5103-71-9	alpha-Chlordane		1.9	U
5103-74-2	gamma-Chlordane		1.9	U
8001-35-2	Toxaphene		190.	U
12674-11-2	Aroclor-1016		37.	U
11104-28-2	Aroclor-1221		76.	U
11141-16-5	Aroclor-1232		37.	U
53469-21-9	Aroclor-1242		37.	U
12672-29-6	Aroclor-1248		37.	U
11097-69-1	Aroclor-1254	1600	~~1000.~~	D*
11096-82-5	Aroclor-1260		37.	U

D* Value transferred from diluted analysis SS8 DL 5 X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238556

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03428

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan Sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	75.	U
11141-16-5	Aroclor-1232	37.	U
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	5400 37.	U
11097-69-1	Aroclor-1254	~~2400.~~	~~EP~~ ~~D*~~
11096-82-5	Aroclor-1260	37.	U

D* value transferred from diluted analysis SS9DL 10 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238558

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03344

% Moisture: 63. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (Sep/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	45.	U
319-85-7	beta-BHC	45.	U
319-86-8	delta-BHC	45.	U
58-89-9	gamma-BHC (Lindane)	45.	U
76-44-8	Heptachlor	45.	U
309-00-2	Aldrin	45.	U
1024-57-3	Heptachlor epoxide	45.	U
959-98-8	Endosulfan I	45.	U
60-57-1	Dieldrin	87.	U
72-55-9	4,4'-DDE	87.	U
72-20-8	Endrin	87.	U
33213-65-9	Endosulfan II	87.	U
72-54-8	4,4'-DDD	87.	U
1031-07-8	Endosulfan Sulfate	87.	U
50-29-3	4,4'-DDT	87.	U
72-43-5	Methoxychlor	450.	U
53494-70-5	Endrin ketone	87.	U
7421-93-4	Endrin aldehyde	87.	U
5103-71-9	alpha-Chlordane	45.	U
5103-74-2	gamma-Chlordane	45.	U
8001-35-2	Toxaphene	4500.	U
12674-11-2	Aroclor-1016	870.	U J
11104-28-2	Aroclor-1221	1800.	U J
11141-16-5	Aroclor-1232	870.	U J
53469-21-9	Aroclor-1242	870.	U J
12672-29-6	Aroclor-1248	100000 870.	U J
11097-69-1	Aroclor-1254	~~56000.~~	~~E~~ J D*
11096-82-5	Aroclor-1260	870.	~~U~~ J

D* value transferred from dilution analysis SS10 DL 100 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238560

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03430

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	74.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	1700 ~~1500.~~	D*
11096-82-5	Aroclor-1260	36.	U

D* value transferred from diluted analysis SS11DL 10 x DIF.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238562

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03397

% Moisture: 17. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	6.0	U
319-85-7	beta-BHC	6.0	U
319-86-8	delta-BHC	6.0	U
58-89-9	gamma-BHC (Lindane)	6.0	U
76-44-8	Heptachlor	6.0	U
309-00-2	Aldrin	6.0	U
1024-57-3	Heptachlor epoxide	6.0	U
959-98-8	Endosulfan I	6.0	U
60-57-1	Dieldrin	12.	U
72-55-9	4,4'-DDE	12.	U
72-20-8	Endrin	12.	U
33213-65-9	Endosulfan II	12.	U
72-54-8	4,4'-DDD	12.	U
1031-07-8	Endosulfan Sulfate	12.	U
50-29-3	4,4'-DDT	12.	U
72-43-5	Methoxychlor	60.	U
53494-70-5	Endrin ketone	12.	U
7421-93-4	Endrin aldehyde	12.	U
5103-71-9	alpha-Chlordane	6.0	U
5103-74-2	gamma-Chlordane	6.0	U
8001-35-2	Toxaphene	600.	U
12674-11-2	Aroclor-1016	120.	U
11104-28-2	Aroclor-1221	240.	U
11141-16-5	Aroclor-1232	120.	U
53469-21-9	Aroclor-1242	120.	U
12672-29-6	Aroclor-1248	120.	U
11097-69-1	Aroclor-1254	7500 ~~5000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	120.	U

D* value transferred from diluted analysis SS12DL 30 x D/F.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238550

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03277

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1100.	U
319-85-7	beta-BHC	1100.	U
319-86-8	delta-BHC	1100.	U
58-89-9	gamma-BHC (Lindane)	1100.	U
76-44-8	Heptachlor	1100.	U
309-00-2	Aldrin	1100.	U
1024-57-3	Heptachlor epoxide	1100.	U
959-98-8	Endosulfan I	1100.	U
60-57-1	Dieldrin	2100.	U
72-55-9	4,4'-DDE	2100.	U
72-20-8	Endrin	2100.	U
33213-65-9	Endosulfan II	2100.	U
72-54-8	4,4'-DDD	2100.	U
1031-07-8	Endosulfan Sulfate	2100.	U
50-29-3	4,4'-DDT	2100.	U
72-43-5	Methoxychlor	11000.	U
53494-70-5	Endrin ketone	2100.	U
7421-93-4	Endrin aldehyde	2100.	U
5103-71-9	alpha-Chlordane	1100.	U
5103-74-2	gamma-Chlordane	1100.	U
8001-35-2	Toxaphene	110000.	U
12674-11-2	Aroclor-1016	21000.	U
11104-28-2	Aroclor-1221	43000.	U
11141-16-5	Aroclor-1232	21000.	U
53469-21-9	Aroclor-1242	21000.	U
12672-29-6	Aroclor-1248	21000.	U
11097-69-1	Aroclor-1254	1900000 ~~1200000.~~	E D*
11096-82-5	Aroclor-1260	21000.	U

D* Value transferred from diluted analysis SS26DL 5000 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238535

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03251

% Moisture: 1. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.4	U
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	3.4	U
76-44-8	Heptachlor	3.4	U
309-00-2	Aldrin	3.4	U
1024-57-3	Heptachlor epoxide	3.4	U
959-98-8	Endosulfan I	3.4	U
60-57-1	Dieldrin	6.6	U
72-55-9	4,4'-DDE	6.6	U
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	6.6	U
1031-07-8	Endosulfan Sulfate	6.6	U
50-29-3	4,4'-DDT	6.6	U
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin ketone	6.6	U
7421-93-4	Endrin aldehyde	6.6	U
5103-71-9	alpha-Chlordane	3.4	U
5103-74-2	gamma-Chlordane	3.4	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	66.	U
11104-28-2	Aroclor-1221	130.	U
11141-16-5	Aroclor-1232	66.	U
53469-21-9	Aroclor-1242	66.	U
12672-29-6	Aroclor-1248	66.	U
11097-69-1	Aroclor-1254	6200 ~~3500.~~	D*
11096-82-5	Aroclor-1260	66.	U

D* value transferred from diluted analysis S1DL 20xD/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S2

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238537

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03252

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	36.	U
72-55-9	4,4'-DDE	36.	U
72-20-8	Endrin	36.	U
33213-65-9	Endosulfan II	36.	U
72-54-8	4,4'-DDD	36.	U
1031-07-8	Endosulfan Sulfate	36.	U
50-29-3	4,4'-DDT	36.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	36.	U
7421-93-4	Endrin aldehyde	36.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	360.	U
11104-28-2	Aroclor-1221	730.	U
11141-16-5	Aroclor-1232	360.	U
53469-21-9	Aroclor-1242	360.	U
12672-29-6	Aroclor-1248	360.	U
11097-69-1	Aroclor-1254	59000 ~~29000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	360.	U

D* Value transferred from diluted analysis S2DL 100 XD/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238539

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03164

% Moisture: 6. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan Sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	35.	U
11104-28-2	Aroclor-1221	70.	U
11141-16-5	Aroclor-1232	35.	U
53469-21-9	Aroclor-1242	35.	U
12672-29-6	Aroclor-1248	35.	U
11097-69-1	Aroclor-1254	3600 ~~1800.~~	~~E~~ D*
11096-82-5	Aroclor-1260	35.	U

D* Value transferred from dilution analysis S3DL 10 X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238541

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03254

% Moisture: 7. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.4	U
319-85-7	beta-BHC	5.4	U
319-86-8	delta-BHC	5.4	U
58-89-9	gamma-BHC (Lindane)	5.4	U
76-44-8	Heptachlor	5.4	U
309-00-2	Aldrin	5.4	U
1024-57-3	Heptachlor epoxide	5.4	U
959-98-8	Endosulfan I	5.4	U
60-57-1	Dieldrin	11.	U
72-55-9	4,4'-DDE	11.	U
72-20-8	Endrin	11.	U
33213-65-9	Endosulfan II	11.	U
72-54-8	4,4'-DDD	11.	U
1031-07-8	Endosulfan Sulfate	11.	U
50-29-3	4,4'-DDT	11.	U
72-43-5	Methoxychlor	54.	U
53494-70-5	Endrin ketone	11.	U
7421-93-4	Endrin aldehyde	11.	U
5103-71-9	alpha-Chlordane	5.4	U
5103-74-2	gamma-Chlordane	5.4	U
8001-35-2	Toxaphene	540.	U
12674-11-2	Aroclor-1016	110.	U
11104-28-2	Aroclor-1221	210.	U
11141-16-5	Aroclor-1232	110.	U
53469-21-9	Aroclor-1242	110.	U
12672-29-6	Aroclor-1248	110.	U
11097-69-1	Aroclor-1254	~~7900.~~ 16000	~~EPJ~~ D*
11096-82-5	Aroclor-1260	110.	U

D* Value transferred from diluted analysis S4DL 30x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238545

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03269

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	380.	U
319-85-7	beta-BHC	380.	U
319-86-8	delta-BHC	380.	U
58-89-9	gamma-BHC (Lindane)	380.	U
76-44-8	Heptachlor	380.	U
309-00-2	Aldrin	380.	U
1024-57-3	Heptachlor epoxide	380.	U
959-98-8	Endosulfan I	380.	U
60-57-1	Dieldrin	740.	U
72-55-9	4,4'-DDE	740.	U
72-20-8	Endrin	740.	U
33213-65-9	Endosulfan II	740.	U
72-54-8	4,4'-DDD	740.	U
1031-07-8	Endosulfan Sulfate	740.	U
50-29-3	4,4'-DDT	740.	U
72-43-5	Methoxychlor	3800.	U
53494-70-5	Endrin ketone	740.	U
7421-93-4	Endrin aldehyde	740.	U
5103-71-9	alpha-Chlordane	380.	U
5103-74-2	gamma-Chlordane	380.	U
8001-35-2	Toxaphene	38000.	U
12674-11-2	Aroclor-1016	7400.	U
11104-28-2	Aroclor-1221	15000.	U
11141-16-5	Aroclor-1232	7400.	U
53469-21-9	Aroclor-1242	7400.	U
12672-29-6	Aroclor-1248	7400.	U
11097-69-1	Aroclor-1254	1000000 ~~520000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	7400.	U

D* Value transferred from diluted analysis S5 DL 2000x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S6

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238547

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03271

% Moisture: 13. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1900.	U
319-85-7	beta-BHC	1900.	U
319-86-8	delta-BHC	1900.	U
58-89-9	gamma-BHC (Lindane)	1900.	U
76-44-8	Heptachlor	1900.	U
309-00-2	Aldrin	1900.	U
1024-57-3	Heptachlor epoxide	1900.	U
959-98-8	Endosulfan I	1900.	U
60-57-1	Dieldrin	3800.	U
72-55-9	4,4'-DDE	3800.	U
72-20-8	Endrin	3800.	U
33213-65-9	Endosulfan II	3800.	U
72-54-8	4,4'-DDD	3800.	U
1031-07-8	Endosulfan Sulfate	3800.	U
50-29-3	4,4'-DDT	3800.	U
72-43-5	Methoxychlor	19000.	U
53494-70-5	Endrin ketone	3800.	U
7421-93-4	Endrin aldehyde	3800.	U
5103-71-9	alpha-Chlordane	1900.	U
5103-74-2	gamma-Chlordane	1900.	U
8001-35-2	Toxaphene	190000.	U
12674-11-2	Aroclor-1016	38000.	U
11104-28-2	Aroclor-1221	77000.	U
11141-16-5	Aroclor-1232	38000.	U
53469-21-9	Aroclor-1242	38000.	U
12672-29-6	Aroclor-1248	38000.	U
11097-69-1	Aroclor-1254	3000000 ~~2200000.~~	~~EP~~ J*
11096-82-5	Aroclor-1260	38000.	U

J* value transferred from diluted analysis S6 DL 10,000 X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238551

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03279

% Moisture: 23. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	44.	U
319-85-7	beta-BHC	44.	U
319-86-8	delta-BHC	44.	U
58-89-9	gamma-BHC (Lindane)	44.	U
76-44-8	Heptachlor	44.	U
309-00-2	Aldrin	44.	U
1024-57-3	Heptachlor epoxide	44.	U
959-98-8	Endosulfan I	44.	U
60-57-1	Dieldrin	85.	U
72-55-9	4,4'-DDE	85.	U
72-20-8	Endrin	85.	U
33213-65-9	Endosulfan II	85.	U
72-54-8	4,4'-DDD	85.	U
1031-07-8	Endosulfan Sulfate	85.	U
50-29-3	4,4'-DDT	85.	U
72-43-5	Methoxychlor	440.	U
53494-70-5	Endrin ketone	85.	U
7421-93-4	Endrin aldehyde	85.	U
5103-71-9	alpha-Chlordane	44.	U
5103-74-2	gamma-Chlordane	44.	U
8001-35-2	Toxaphene	4400.	U
12674-11-2	Aroclor-1016	850.	U
11104-28-2	Aroclor-1221	1700.	U
11141-16-5	Aroclor-1232	850.	U
53469-21-9	Aroclor-1242	850.	U
12672-29-6	Aroclor-1248	850.	U
11097-69-1	Aroclor-1254	100000 ~~60000.~~	EJ D*
11096-82-5	Aroclor-1260	850.	U

D* value transferred from diluted analysis S7DL 200 x DIF.

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238553

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03278

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	73.	U
72-55-9	4,4'-DDE	73.	U
72-20-8	Endrin	73.	U
33213-65-9	Endosulfan II	73.	U
72-54-8	4,4'-DDD	73.	U
1031-07-8	Endosulfan Sulfate	73.	U
50-29-3	4,4'-DDT	73.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	73.	U
7421-93-4	Endrin aldehyde	73.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	730.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	730.	U
53469-21-9	Aroclor-1242	730.	U
12672-29-6	Aroclor-1248	730.	U
11097-69-1	Aroclor-1254	90000 ~~43000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	730.	U

D* Value transferred from diluted analysis S8 DL 200x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238555

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03280

% Moisture: 14. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	39.	U
319-85-7	beta-BHC	39.	U
319-86-8	delta-BHC	39.	U
58-89-9	gamma-BHC (Lindane)	39.	U
76-44-8	Heptachlor	39.	U
309-00-2	Aldrin	39.	U
1024-57-3	Heptachlor epoxide	39.	U
959-98-8	Endosulfan I	39.	U
60-57-1	Dieldrin	76.	U
72-55-9	4,4'-DDE	76.	U
72-20-8	Endrin	76.	U
33213-65-9	Endosulfan II	76.	U
72-54-8	4,4'-DDD	76.	U
1031-07-8	Endosulfan Sulfate	76.	U
50-29-3	4,4'-DDT	76.	U
72-43-5	Methoxychlor	390.	U
53494-70-5	Endrin ketone	76.	U
7421-93-4	Endrin aldehyde	76.	U
5103-71-9	alpha-Chlordane	39.	U
5103-74-2	gamma-Chlordane	39.	U
8001-35-2	Toxaphene	3900.	U
12674-11-2	Aroclor-1016	760.	U
11104-28-2	Aroclor-1221	1600.	U
11141-16-5	Aroclor-1232	760.	U
53469-21-9	Aroclor-1242	760.	U
12672-29-6	Aroclor-1248	760.	U
11097-69-1	Aroclor-1254	73000 ~~45000.~~	E D*
11096-82-5	Aroclor-1260	760.	U

D* value transferred from diluted analysis S9DL 200 x DIF.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238557

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03429

% Moisture: 57. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.9	U
319-85-7	beta-BHC	3.9	U
319-86-8	delta-BHC	3.9	U
58-89-9	gamma-BHC (Lindane)	3.9	U
76-44-8	Heptachlor	3.9	U
309-00-2	Aldrin	3.9	U
1024-57-3	Heptachlor epoxide	3.9	U
959-98-8	Endosulfan I	3.9	U
60-57-1	Dieldrin	7.6	U
72-55-9	4,4'-DDE	7.6	U
72-20-8	Endrin	7.6	U
33213-65-9	Endosulfan II	7.6	U
72-54-8	4,4'-DDD	7.6	U
1031-07-8	Endosulfan Sulfate	7.6	U
50-29-3	4,4'-DDT	7.6	U
72-43-5	Methoxychlor	39.	U
53494-70-5	Endrin ketone	7.6	U
7421-93-4	Endrin aldehyde	7.6	U
5103-71-9	alpha-Chlordane	3.9	U
5103-74-2	gamma-Chlordane	3.9	U
8001-35-2	Toxaphene	390.	U
12674-11-2	Aroclor-1016	76.	U J
11104-28-2	Aroclor-1221	150.	U J
11141-16-5	Aroclor-1232	76.	U J
53469-21-9	Aroclor-1242	76.	U J
12672-29-6	Aroclor-1248	76.	U J
11097-69-1	Aroclor-1254	11000 ~~5400.~~	~~6 P~~ J ~~J~~ D*
11096-82-5	Aroclor-1260	76.	U J

D* value transferred from diluted analysis S10 DL 10X DIF.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S11

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238559

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 03349

% Moisture: 4. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.2	U
319-85-7	beta-BHC	5.2	U
319-86-8	delta-BHC	5.2	U
58-89-9	gamma-BHC (Lindane)	5.2	U
76-44-8	Heptachlor	5.2	U
309-00-2	Aldrin	5.2	U
1024-57-3	Heptachlor epoxide	5.2	U
959-98-8	Endosulfan I	5.2	U
60-57-1	Dieldrin	10.	U
72-55-9	4,4'-DDE	10.	U
72-20-8	Endrin	10.	U
33213-65-9	Endosulfan II	10.	U
72-54-8	4,4'-DDD	10.	U
1031-07-8	Endosulfan Sulfate	10.	U
50-29-3	4,4'-DDT	10.	U
72-43-5	Methoxychlor	52.	U
53494-70-5	Endrin ketone	10.	U
7421-93-4	Endrin aldehyde	10.	U
5103-71-9	alpha-Chlordane	5.2	U
5103-74-2	gamma-Chlordane	5.2	U
8001-35-2	Toxaphene	520.	U
12674-11-2	Aroclor-1016	100.	U
11104-28-2	Aroclor-1221	210.	U
11141-16-5	Aroclor-1232	100.	U
53469-21-9	Aroclor-1242	100.	U
12672-29-6	Aroclor-1248	100.	U
11097-69-1	Aroclor-1254	4900 ~~4500.~~	~~E~~ J D*
11096-82-5	Aroclor-1260	100.	U

D* value transferred from diluted analysis S11 DL 30 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S12 α

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238561

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 03317

% Moisture: 7. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1800.	U
319-85-7	beta-BHC	1800.	U
319-86-8	delta-BHC	1800.	U
58-89-9	gamma-BHC (Lindane)	1800.	U
76-44-8	Heptachlor	1800.	U
309-00-2	Aldrin	1800.	U
1024-57-3	Heptachlor epoxide	1800.	U
959-98-8	Endosulfan I	1800.	U
60-57-1	Dieldrin	3500.	U
72-55-9	4,4'-DDE	3500.	U
72-20-8	Endrin	3500.	U
33213-65-9	Endosulfan II	3500.	U
72-54-8	4,4'-DDD	3500.	U
1031-07-8	Endosulfan Sulfate	3500.	U
50-29-3	4,4'-DDT	3500.	U
72-43-5	Methoxychlor	18000.	U
53494-70-5	Endrin ketone	3500.	U
7421-93-4	Endrin aldehyde	3500.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	180000.	U
12674-11-2	Aroclor-1016	35000.	U
11104-28-2	Aroclor-1221	70000.	U
11141-16-5	Aroclor-1232	35000.	U
53469-21-9	Aroclor-1242	35000.	U
12672-29-6	Aroclor-1248	35000.	U
11097-69-1	Aroclor-1254	190000.	D
11096-82-5	Aroclor-1260	35000.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S26

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238549

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03273

% Moisture: 15. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2000.	U
319-85-7	beta-BHC	2000.	U
319-86-8	delta-BHC	2000.	U
58-89-9	gamma-BHC (Lindane)	2000.	U
76-44-8	Heptachlor	2000.	U
309-00-2	Aldrin	2000.	U
1024-57-3	Heptachlor epoxide	2000.	U
959-98-8	Endosulfan I	2000.	U
60-57-1	Dieldrin	3900.	U
72-55-9	4,4'-DDE	3900.	U
72-20-8	Endrin	3900.	U
33213-65-9	Endosulfan II	3900.	U
72-54-8	4,4'-DDD	3900.	U
1031-07-8	Endosulfan Sulfate	3900.	U
50-29-3	4,4'-DDT	3900.	U
72-43-5	Methoxychlor	20000.	U
53494-70-5	Endrin ketone	3900.	U
7421-93-4	Endrin aldehyde	3900.	U
5103-71-9	alpha-Chlordane	2000.	U
5103-74-2	gamma-Chlordane	2000.	U
8001-35-2	Toxaphene	200000.	U
12674-11-2	Aroclor-1016	39000.	U
11104-28-2	Aroclor-1221	78000.	U
11141-16-5	Aroclor-1232	39000.	U
53469-21-9	Aroclor-1242	39000.	U
12672-29-6	Aroclor-1248	39000.	U
11097-69-1	Aroclor-1254	3900000 ~~2500000.~~	~~E P~~ D*
11096-82-5	Aroclor-1260	39000.	U

D* Value transferred from diluted analysis S26 DL 10000 X D/F.

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservative (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL *	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
S1	6/27/96 0950	5	L/m	G	6				X	X		238535				Cd, Cr, Pb Hg Ag ms/msd
SS1	6/27/96 1000	5	L/m	G	6				X	X		238536				Cd Cr Pb Hg Ag ms/msd
S2	6/27/96 1010	5	L/m	G	6				X	X		238537				Cd Cr Pb Hg Ag
SS2	6/27/96 1020	5	L/m	G	6				X	X		238538				Cd Cr Pb Hg Ag
S3	6/27/96 1030	5	L/m	G	6				X	X		238539				Cd, Cr, Pb Hg Ag
SS3	6/27/96 1040	5	L/m	G	6				X	X		238540				Cd Cr Pb Hg Ag
S4	6/27/96 1045	5	L/m	G	6				X	X		238541				Cd, Cr, Pb, Hg
SS4	6/27/96 1055	5	L/m	G	6				X	X		238542				Cd Cr Pb Hg Ag
CDE 1 RIN	6/27/96 1145	4	L	G	6				X			238543				TCL PCB
CDE 1 RIN	6/27/96 1145	4	L	C	2.6					X		238544				Cd Cr, Pb Hg Ag
S5	6/27/96 1335	5	L/m	G	6				X	X		238545				Cd Cr Pb Hg Ag
SS5	6/27/96 1340	5	L/m	G	6				X	X		238546				Cd, Cr, Pb, Hg Ag
S6	6/27/96 1350	5	L/m	G	6				X	X		238547				Cd Cr Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1730	6/27/96	Swamy S. Tetha	Deliver to Lab
ALL	Swamy S. Tetha	1050	6/28/96	Denise G. Keller	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SS6	6/27/96 1400	5	L/m	G	6				X	X		238548				Cd, CR, Pb, Hg Ag
S26	6/27/96 1350	5	L/m	G	6				X	X		238549				Cd CR, Pb Hg Ag
SS26	6/27/96 1400	5	L/m	G	6				X	X		238550				Cd CR, Pb, Hg Ag
S7	6/27/96 1415	5	L/m	G	6				X	X		238551				Cd CR Pb Hg Ag
SS7	6/27/96 1425	5	L/m	G	6				X	X		238552				Cd CR, Pb Hg Ag
SED 4	6/27/96 1520	5	L/m	G	6				X	X						Cd Cr Pb Hg Ag
S8	6/27/96 1525	5	L/m	G	6				X	X		238553				Cd CR Pb Hg Ag
SS8	6/27/96 1530	5	L/m	G	6				X	X		238554				Cd CR Pb Hg Ag
S9	6/27/96 1535	5	L/m	G	6				X	X		238555				Cd CR Pb Hg Ag
SS9	6/27/96 1540	5	L/m	G	6				X	X		238556				Cd CR Pb Hg Ag
S10	6/27/96 1545	5	L/m	G	6				X	X		238557				Cd CR Pb Hg Ag
SS10	6/27/96 1550	5	L/m	G	6				X	X		238558				Cd Cr Pb Hg Ag
S11	6/27/96 1600	5	L/m	G	6				X	X		238559				Cd CR, Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1730	6/27/96	Suzanne S. Kelly	Deliver to Lab.
All	Suzanne S. Kelly	1050	6/28/96	Denise G. Kelly	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management

27°C

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL X	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SS11	6/27/96 1610	5	L/M	G	6				X	X		238560				Cd Cr Pb Hg Ag
S12	6/27/96 1700	5	L/M	G	6				X	X		238561				Cd Cr Pb Hg Ag
SS12	6/27/96 1710	5	L/M	G	6				X	X		238562				Cd Cr Pb Hg Ag
SED4	6/27/96 1520	5	L/M	G	6							238563				TOC, Grain size

Person Assuming Responsibility for Sample: Jennifer Healy — Time: 1720 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Healy	1730	6/27/96	Swamy S. Yetha	Deliver to Lab.
All	Swamy S. Yetha	1050	6/28/96	Dwine G. Kellen	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, FRC Environmental Management.

27°C

SDG NARRATIVE

LABORATORY NAME: Industrial Corrosion Management, Inc.
LOCATION: 1152 Route 10, Randolph, NJ 07869
CASE NAME: Roy F. Weston, Inc.
CASE NUMBER: RFP No. 1416
SDG NUMBER: RIN2A

Pesticides/PCBs:

1. Column utilized for Pesticide/PCB analysis: J&W Scientific DB608 30m x 0.53 ID, 0.83 um film thickness and J&W Scientific DB1701 30m x 0.53 ID, 1.0 um film thickness

2. The following symbols will be used on the Pesticides/PCBs chromatograms:

OW = outside window
NP = No pattern of multicomponent compounds
<0.5 CRQL = Less than the CRQL value
NC = Not confirmed
NT = Non-targeted compound

3. Due to software limitations, the following samples could not be reported as part of the analytical sequence on FORM VIII PEST: GPC BLK, GPC PEST, GPC PCB,

4. Form 2F: Surrogate recoveries for a number of samples were outside QC limits or had 0% recovery. This is due to the high concentration of Aroclor in the samples and the high dilutions needed to get the Aroclor within chromatographic criteria.

5. Form 3F: MS/MSD recoveries for a number of spike compounds were outside QC limits due to the high concentration of Aroclor present in the sample. As per the SOW these limits are advisory and no further action is required.

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

Richard S. Levine
Laboratory Manager

7/29/96
Date

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN2B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) WATER Lab Sample ID: 238930

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03154

% Moisture: _____ decanted: (Y/N)___ Date Received: 07/~~02~~/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/03/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	2.3	
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238910

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03363

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	35.	U
76-44-8	Heptachlor	35.	U
309-00-2	Aldrin	35.	U
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	67.	U
72-55-9	4,4'-DDE	67.	U
72-20-8	Endrin	67.	U
33213-65-9	Endosulfan II	67.	U
72-54-8	4,4'-DDD	67.	U
1031-07-8	Endosulfan Sulfate	67.	U
50-29-3	4,4'-DDT	67.	U
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	67.	U
7421-93-4	Endrin aldehyde	67.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	670.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	670.	U
53469-21-9	Aroclor-1242	670.	U
12672-29-6	Aroclor-1248	670.	U
11097-69-1	Aroclor-1254	37000 ~~26000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	670.	U

D* Value transferred from dilution analysis SS13DL 200 x DIF.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238912

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03365

% Moisture: 10. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	73.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	2400 ~~1500.~~	~~E~~ D*
11096-82-5	Aroclor-1260	36.	U

D* Value transferred from diluted analysis SS14 DL 10 X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03409

% Moisture: 9. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.7	U
319-85-7	beta-BHC	3.7	U
319-86-8	delta-BHC	3.7	U
58-89-9	gamma-BHC (Lindane)	3.7	U
76-44-8	Heptachlor	3.7	U
309-00-2	Aldrin	3.7	U
1024-57-3	Heptachlor epoxide	3.7	U
959-98-8	Endosulfan I	3.7	U
60-57-1	Dieldrin	7.2	U
72-55-9	4,4'-DDE	7.2	U
72-20-8	Endrin	7.2	U
33213-65-9	Endosulfan II	7.2	U
72-54-8	4,4'-DDD	7.2	U
1031-07-8	Endosulfan Sulfate	7.2	U
50-29-3	4,4'-DDT	7.2	U
72-43-5	Methoxychlor	37.	U
53494-70-5	Endrin ketone	7.2	U
7421-93-4	Endrin aldehyde	7.2	U
5103-71-9	alpha-Chlordane	3.7	U
5103-74-2	gamma-Chlordane	3.7	U
8001-35-2	Toxaphene	370.	U
12674-11-2	Aroclor-1016	72.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	72.	U
53469-21-9	Aroclor-1242	72.	U
12672-29-6	Aroclor-1248	72.	U
11097-69-1	Aroclor-1254	12000 ~~5500~~	~~EJ~~ D*
11096-82-5	Aroclor-1260	72.	U

D* Value transferred from dilution analysis SS15 DL 20 X D/F.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238916

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03367

% Moisture: 11. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	73.	U
72-55-9	4,4'-DDE	73.	U
72-20-8	Endrin	73.	U
33213-65-9	Endosulfan II	73.	U
72-54-8	4,4'-DDD	73.	U
1031-07-8	Endosulfan Sulfate	73.	U
50-29-3	4,4'-DDT	73.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	73.	U
7421-93-4	Endrin aldehyde	73.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	730.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	730.	U
53469-21-9	Aroclor-1242	730.	U
12672-29-6	Aroclor-1248	730.	U
11097-69-1	Aroclor-1254	30000 ~~23000.~~	D*
11096-82-5	Aroclor-1260	730.	U

D* value transferred from dilution analysis SS16 DL 200 X D/F.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS17

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238918

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 03376

% Moisture: 10. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	72.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	2700 ~~1700.~~	D*
11096-82-5	Aroclor-1260	36.	U

D* Value transferred from dilution analysis SS17 DL 10X D/F.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SS18

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238920

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03319

% Moisture: 10. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	74.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	36.	U
11096-82-5	Aroclor-1260	36.	U

ID

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SS19

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238922

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03340

% Moisture: 13. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9600.	U
319-85-7	beta-BHC	9600.	U
319-86-8	delta-BHC	9600.	U
58-89-9	gamma-BHC (Lindane)	9600.	U
76-44-8	Heptachlor	9600.	U
309-00-2	Aldrin	9600.	U
1024-57-3	Heptachlor epoxide	9600.	U
959-98-8	Endosulfan I	9600.	U
60-57-1	Dieldrin	19000.	U
72-55-9	4,4'-DDE	19000.	U
72-20-8	Endrin	19000.	U
33213-65-9	Endosulfan II	19000.	U
72-54-8	4,4'-DDD	19000.	U
1031-07-8	Endosulfan Sulfate	19000.	U
50-29-3	4,4'-DDT	19000.	U
72-43-5	Methoxychlor	96000.	U
53494-70-5	Endrin ketone	19000.	U
7421-93-4	Endrin aldehyde	19000.	U
5103-71-9	alpha-Chlordane	9600.	U
5103-74-2	gamma-Chlordane	9600.	U
8001-35-2	Toxaphene	960000.	U
12674-11-2	Aroclor-1016	190000.	U
11104-28-2	Aroclor-1221	380000.	U
11141-16-5	Aroclor-1232	190000.	U
53469-21-9	Aroclor-1242	190000.	U
12672-29-6	Aroclor-1248	190000.	U
11097-69-1	Aroclor-1254	R~~13000000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	190000.	U

D* Value transferred from dilution analysis SS19DL 50,000 X D/F.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238924

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03341

% Moisture: 8. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

-Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1800.	U
319-85-7	beta-BHC	1800.	U
319-86-8	delta-BHC	1800.	U
58-89-9	gamma-BHC (Lindane)	1800.	U
76-44-8	Heptachlor	1800.	U
309-00-2	Aldrin	1800.	U
1024-57-3	Heptachlor epoxide	1800.	U
959-98-8	Endosulfan I	1800.	U
60-57-1	Dieldrin	3500.	U
72-55-9	4,4'-DDE	3500.	U
72-20-8	Endrin	3500.	U
33213-65-9	Endosulfan II	3500.	U
72-54-8	4,4'-DDD	3500.	U
1031-07-8	Endosulfan Sulfate	3500.	U
50-29-3	4,4'-DDT	3500.	U
72-43-5	Methoxychlor	18000.	U
53494-70-5	Endrin ketone	3500.	U
7421-93-4	Endrin aldehyde	3500.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	180000.	U
12674-11-2	Aroclor-1016	35000.	U
11104-28-2	Aroclor-1221	71000.	U
11141-16-5	Aroclor-1232	35000.	U
53469-21-9	Aroclor-1242	35000.	U
12672-29-6	Aroclor-1248	35000.	U
11097-69-1	Aroclor-1254	1600000 ~~1100000.~~	D*
11096-82-5	Aroclor-1260	35000.	U

D* Value transferred from dilution analysis SS20DL 10000 D/F.

ID

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SS21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238926

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03402

% Moisture: 23. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2200.	U
319-85-7	beta-BHC	2200.	U
319-86-8	delta-BHC	2200.	U
58-89-9	gamma-BHC (Lindane)	2200.	U
76-44-8	Heptachlor	2200.	U
309-00-2	Aldrin	2200.	U
1024-57-3	Heptachlor epoxide	2200.	U
959-98-8	Endosulfan I	2200.	U
60-57-1	Dieldrin	4300.	U
72-55-9	4,4'-DDE	4300.	U
72-20-8	Endrin	4300.	U
33213-65-9	Endosulfan II	4300.	U
72-54-8	4,4'-DDD	4300.	U
1031-07-8	Endosulfan Sulfate	4300.	U
50-29-3	4,4'-DDT	4300.	U
72-43-5	Methoxychlor	22000.	U
53494-70-5	Endrin ketone	4300.	U
7421-93-4	Endrin aldehyde	4300.	U
5103-71-9	alpha-Chlordane	2200.	U
5103-74-2	gamma-Chlordane	2200.	U
8001-35-2	Toxaphene	220000.	U
12674-11-2	Aroclor-1016	43000.	U
11104-28-2	Aroclor-1221	87000.	U
11141-16-5	Aroclor-1232	43000.	U
53469-21-9	Aroclor-1242	43000.	U
12672-29-6	Aroclor-1248	43000.	U
11097-69-1	Aroclor-1254	5500000 ~~3400000.~~	D*
11096-82-5	Aroclor-1260	43000.	U

D* value transferred from dilution analysis SS21 DL 10000 D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238927

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03403

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these deter.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	34.	U
72-55-9	4,4'-DDE	34.	U
72-20-8	Endrin	34.	U
33213-65-9	Endosulfan II	34.	U
72-54-8	4,4'-DDD	34.	U
1031-07-8	Endosulfan Sulfate	34.	U
50-29-3	4,4'-DDT	34.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	34.	U
7421-93-4	Endrin aldehyde	34.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	340.	U
11104-28-2	Aroclor-1221	690.	U
11141-16-5	Aroclor-1232	340.	U
53469-21-9	Aroclor-1242	340.	U
12672-29-6	Aroclor-1248	340.	U
11097-69-1	Aroclor-1254	1000000 ~~32000.~~	~~PJ~~ D*
11096-82-5	Aroclor-1260	340.	U

D* Value transferred from dilution analysis SS22 DL 500 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238932

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03373

% Moisture: 9. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these dates.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	73.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	720.	U
11096-82-5	Aroclor-1260	36.	U

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238909

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03362

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q.
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	35.	U
76-44-8	Heptachlor	35.	U
309-00-2	Aldrin	35.	U
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	68.	U
72-55-9	4,4'-DDE	68.	U
72-20-8	Endrin	68.	U
33213-65-9	Endosulfan II	68.	U
72-54-8	4,4'-DDD	68.	U
1031-07-8	Endosulfan Sulfate	68.	U
50-29-3	4,4'-DDT	68.	U
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	68.	U
7421-93-4	Endrin aldehyde	68.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	680.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	680.	U
53469-21-9	Aroclor-1242	680.	U
12672-29-6	Aroclor-1248	680.	U
11097-69-1	Aroclor-1254	29000 ~~20000.~~	D*
11096-82-5	Aroclor-1260	680.	U

D* Value transferred from dilution analysis 5 B DL 200 x D/F.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03364

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	17.	U
319-85-7	beta-BHC	17.	U
319-86-8	delta-BHC	17.	U
58-89-9	gamma-BHC (Lindane)	17.	U
76-44-8	Heptachlor	17.	U
309-00-2	Aldrin	17.	U
1024-57-3	Heptachlor epoxide	17.	U
959-98-8	Endosulfan I	17.	U
60-57-1	Dieldrin	33.	U
72-55-9	4,4'-DDE	33.	U
72-20-8	Endrin	33.	U
33213-65-9	Endosulfan II	33.	U
72-54-8	4,4'-DDD	33.	U
1031-07-8	Endosulfan Sulfate	33.	U
50-29-3	4,4'-DDT	33.	U
72-43-5	Methoxychlor	170.	U
53494-70-5	Endrin ketone	33.	U
7421-93-4	Endrin aldehyde	33.	U
5103-71-9	alpha-Chlordane	17.	U
5103-74-2	gamma-Chlordane	17.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	330.	U
11104-28-2	Aroclor-1221	680.	U
11141-16-5	Aroclor-1232	330.	U
53469-21-9	Aroclor-1242	330.	U
12672-29-6	Aroclor-1248	330.	U
11097-69-1	Aroclor-1254	28000 ~~16000.~~	D*
11096-82-5	Aroclor-1260	330.	U

D* value transferred from dilution analysis S14DL 100 X D/F.

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: RIN2A SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238913

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03351

% Moisture: 3. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	35.	U
76-44-8	Heptachlor	35.	U
309-00-2	Aldrin	35.	U
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	68.	U
72-55-9	4,4'-DDE	68.	U
72-20-8	Endrin	68.	U
33213-65-9	Endosulfan II	68.	U
72-54-8	4,4'-DDD	68.	U
1031-07-8	Endosulfan Sulfate	68.	U
50-29-3	4,4'-DDT	68.	U
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	68.	U
7421-93-4	Endrin aldehyde	68.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	680.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	680.	U
53469-21-9	Aroclor-1242	680.	U
12672-29-6	Aroclor-1248	680.	U
11097-69-1	Aroclor-1254	45000 ~~32000.~~	D*
11096-82-5	Aroclor-1260	680.	U

D* Value transferred from dilution analysis S15DL 200 x D/F.

FORM I PEST OLM03.0

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238915

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03366

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC (Lindane)	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17.	U
72-55-9	4,4'-DDE	17.	U
72-20-8	Endrin	17.	U
33213-65-9	Endosulfan II	17.	U
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan Sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	87.	U
53494-70-5	Endrin ketone	17.	U
7421-93-4	Endrin aldehyde	17.	U
5103-71-9	alpha-Chlordane	8.7	U
5103-74-2	gamma-Chlordane	8.7	U
8001-35-2	Toxaphene	870.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	340.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	9000 ~~5300.~~	D*
11096-82-5	Aroclor-1260	170.	U

D* Value transferred from dilution analysis 516DL 50 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S17

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238917

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03401

% Moisture: 8. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these dates.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	37.	U
319-85-7	beta-BHC	37.	U
319-86-8	delta-BHC	37.	U
58-89-9	gamma-BHC (Lindane)	37.	U
76-44-8	Heptachlor	37.	U
309-00-2	Aldrin	37.	U
1024-57-3	Heptachlor epoxide	37.	U
959-98-8	Endosulfan I	37.	U
60-57-1	Dieldrin	71.	U
72-55-9	4,4'-DDE	71.	U
72-20-8	Endrin	71.	U
33213-65-9	Endosulfan II	71.	U
72-54-8	4,4'-DDD	71.	U
1031-07-8	Endosulfan Sulfate	71.	U
50-29-3	4,4'-DDT	71.	U
72-43-5	Methoxychlor	370.	U
53494-70-5	Endrin ketone	71.	U
7421-93-4	Endrin aldehyde	71.	U
5103-71-9	alpha-Chlordane	37.	U
5103-74-2	gamma-Chlordane	37.	U
8001-35-2	Toxaphene	3700.	U
12674-11-2	Aroclor-1016	710.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	710.	U
53469-21-9	Aroclor-1242	710.	U
12672-29-6	Aroclor-1248	710.	U
11097-69-1	Aroclor-1254	32000 ~~24000.~~	D*
11096-82-5	Aroclor-1260	710.	U

D* Value transferred from ~~S17 DL~~ dilution analysis S17 DL 200 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S18

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238919

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03408

% Moisture: 10. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.8	U
319-85-7	beta-BHC	3.8	U
319-86-8	delta-BHC	3.8	U
58-89-9	gamma-BHC (Lindane)	3.8	U
76-44-8	Heptachlor	3.8	U
309-00-2	Aldrin	3.8	U
1024-57-3	Heptachlor epoxide	3.8	U
959-98-8	Endosulfan I	3.8	U
60-57-1	Dieldrin	7.4	U
72-55-9	4,4'-DDE	7.4	U
72-20-8	Endrin	7.4	U
33213-65-9	Endosulfan II	7.4	U
72-54-8	4,4'-DDD	7.4	U
1031-07-8	Endosulfan Sulfate	7.4	U
50-29-3	4,4'-DDT	7.4	U
72-43-5	Methoxychlor	38.	U
53494-70-5	Endrin ketone	7.4	U
7421-93-4	Endrin aldehyde	7.4	U
5103-71-9	alpha-Chlordane	3.8	U
5103-74-2	gamma-Chlordane	3.8	U
8001-35-2	Toxaphene	380.	U
12674-11-2	Aroclor-1016	74.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	74.	U
53469-21-9	Aroclor-1242	74.	U
12672-29-6	Aroclor-1248	74.	U
11097-69-1	Aroclor-1254	8500 ~~4500.~~	D*
11096-82-5	Aroclor-1260	74.	U

D* Value transferred from dilution analysis S18DL 20 x DIF.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S19 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238921

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03318

% Moisture: 3. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 2000.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3500.	U
319-85-7	beta-BHC	3500.	U
319-86-8	delta-BHC	3500.	U
58-89-9	gamma-BHC (Lindane)	3500.	U
76-44-8	Heptachlor	3500.	U
309-00-2	Aldrin	3500.	U
1024-57-3	Heptachlor epoxide	3500.	U
959-98-8	Endosulfan I	3500.	U
60-57-1	Dieldrin	6700.	U
72-55-9	4,4'-DDE	6700.	U
72-20-8	Endrin	6700.	U
33213-65-9	Endosulfan II	6700.	U
72-54-8	4,4'-DDD	6700.	U
1031-07-8	Endosulfan Sulfate	6700.	U
50-29-3	4,4'-DDT	6700.	U
72-43-5	Methoxychlor	35000.	U
53494-70-5	Endrin ketone	6700.	U
7421-93-4	Endrin aldehyde	6700.	U
5103-71-9	alpha-Chlordane	3500.	U
5103-74-2	gamma-Chlordane	3500.	U
8001-35-2	Toxaphene	350000.	U
12674-11-2	Aroclor-1016	67000.	U
11104-28-2	Aroclor-1221	140000.	U
11141-16-5	Aroclor-1232	67000.	U
53469-21-9	Aroclor-1242	67000.	U
12672-29-6	Aroclor-1248	67000.	U
11097-69-1	Aroclor-1254	340000.	
11096-82-5	Aroclor-1260	67000.	U

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238923

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03378

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

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

Use House data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC (Lindane)	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17.	U
72-55-9	4,4'-DDE	17.	U
72-20-8	Endrin	17.	U
33213-65-9	Endosulfan II	17.	U
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan Sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	86.	U
53494-70-5	Endrin ketone	17.	U
7421-93-4	Endrin aldehyde	17.	U
5103-71-9	alpha-Chlordane	8.6	U
5103-74-2	gamma-Chlordane	8.6	U
8001-35-2	Toxaphene	860.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	340.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	11000 ~~6700.~~	D*
11096-82-5	Aroclor-1260	170.	U

D* value transferred from dilution analysis S20DL 50 x D/F.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238925

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03342

% Moisture: 4. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use House data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	180000 ~~150000.~~	D*
11096-82-5	Aroclor-1260	3400.	U

D* value transferred from dilution analysis S21 DL 1000 X D|F

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238927

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03355

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	83000.	
11096-82-5	Aroclor-1260	3400.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S28X PKD 7/25/96

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238931

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03404

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	17.	U
319-85-7	beta-BHC	17.	U
319-86-8	delta-BHC	17.	U
58-89-9	gamma-BHC (Lindane)	17.	U
76-44-8	Heptachlor	17.	U
309-00-2	Aldrin	17.	U
1024-57-3	Heptachlor epoxide	17.	U
959-98-8	Endosulfan I	17.	U
60-57-1	Dieldrin	34.	U
72-55-9	4,4'-DDE	34.	U
72-20-8	Endrin	34.	U
33213-65-9	Endosulfan II	34.	U
72-54-8	4,4'-DDD	34.	U
1031-07-8	Endosulfan Sulfate	34.	U
50-29-3	4,4'-DDT	34.	U
72-43-5	Methoxychlor	170.	U
53494-70-5	Endrin ketone	34.	U
7421-93-4	Endrin aldehyde	34.	U
5103-71-9	alpha-Chlordane	17.	U
5103-74-2	gamma-Chlordane	17.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	340.	U
11104-28-2	Aroclor-1221	690.	U
11141-16-5	Aroclor-1232	340.	U
53469-21-9	Aroclor-1242	340.	U
12672-29-6	Aroclor-1248	340.	U
11097-69-1	Aroclor-1254	26000 ~~10000.~~	D*
11096-82-5	Aroclor-1260	340.	U

D* value transferred from dilution analysis S28DL 100 x D/F.

FP No.: 1416

O No.: 5625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6	
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703, Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL *	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER *
S-13	06/29/96 0835	5	L/M	G	6				X	X		238909				Cd Cr Ag Hg Pb
SS-13	06/29/96 0915	5	L/M	G	6				X	X		238910				Cd Cr Ag Hg Pb
S-14	06/29/96 0835	5	L/M	G	6				X	X		238911				Cd Cr Ag Hg Pb
SS-14	06/29/96 0855	5	L/M	G	6				X	X		238912				Cd Cr Ag Hg Pb
S-15	06/29/96 0935	5	L/M	G	6				X	X		238913				Cd Cr Ag Hg Pb MS/MSD
SS-15	06/29/96 1000	5	L/M	G	6				X	X		238914				Cd Cr Ag Hg Pb MS/MSD
S-16	06/29/96 0855	5	L/M	G	6				X	X		238915				Cd Cr Ag Hg Pb
SS-16	06/29/96 0915	5	L/M	G	6				X	X		238916				Cd Cr Ag Hg Pb
S-17	06/29/96 1400	5	L/M	G	6				X	X		238917				Cd Cr Ag Hg Pb
SS-17	06/29/96 1420	5	L/M	G	6				X	X		238918				Cd Cr Ag Hg Pb
S-18	06/29/96 1355	5	L/M	G	6				X	X		238919				Cd Cr Ag Hg Pb
SS-18	06/29/96 1415	5	L/M	G	6				X	X		238920				Cd Cr Ag Hg Pb
S-19	06/29/96 1145	5	L/M	G	6				X	X		238921				Cd Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christoph Stannik — Time: 1545 — Date (MM/DD/YY): 6/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Christoph Stannik	1005	7/1/96	Denise G. Keller	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

1476

O No.:

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201
1090 King Georges Post Road, Edison, New Jersey 08837-3703
Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER *
SS-19	06/29/96 1210	5	L/M	G	6				X	X		238922				Cd Cr Ag Hg Pb
S-20	06/29/96 1445	5	L/M	G	6				X	X		238923				Cd Cr Ag Hg Pb
SS-20	06/29/96 1500	5	L/M	G	6				X	X		238924				Cd Cr Ag Hg Pb
S-21	06/29/96 1035	5	L/M	G	6				X	X		238925				Cd Cr Ag Hg Pb
SS-21	06/29/96 1100	5	L/M	G	6				X	X		238926				Cd Cr Ag Hg Pb
S-22	06/29/96 1045	5	L/M	G	6				X	X		238927				Cd Cr Ag Hg Pb
SS-22	06/29/96 1140	5	L/M	G	6				X	X		238928				Cd Cr Ag Hg Pb
CDE-RINS2	06/29/96 1235	4	L	C	6 2					X		238929				Cd Cr Ag Hg Pb
CDE-RINS2	06/29/96 1240	4	L	C	6				X			238930				TCL PCBs
S-28	06/29/96 1400	5	L/M	G	6				X	X		238931				Cd Cr Ag Hg Pb
SS-28	06/29/96 1420	5	L/M	G	6				X	X		238932				Cd Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christoph Stannik — Time: 1545 — Date (MM/DD/YY): 06/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Christoph Stannik	1005	7/1/96	Denise G. Killer	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody

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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

START-02-F-00570

TRANSMITTAL MEMO

To: Nicholas Magriples, OSC
Removal Action Branch, U.S. EPA Region II

From: Smita Sumbaly, Data Reviewer
Kathy Campbell, PM
START Region II

Subject: Cornell-Dubilier Electronics Site
Data Validation Assessment

Date: September 30, 1996

The purpose of this memo is to transmit the following information:

- Data validation results for the following parameters:

  TCL PCBs 50 samples

- Matrices and Number of Samples

  Soil 48 samples
  Aqueous 02 samples

- Sampling date: June 27 & 29, 1996.

The final data assessment narrative and original analytical data package are attached.

cc: START PM Kathy Campbell
START FILE TDD #:02-9604-0003
TDD #:02-9506-0021
PCS #:1416

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: September 30, 1996

TO: Nicholas Magriples, OSC
USEPA Region II

FROM: Smita Sumbaly
START Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Blanks
Spectra Matching Quality	DFTPP and BFB Tuning
Surrogate Spikes	Chromatography
Matrix Spikes/Duplicates	Holding Times
Calibration	Compound ID (HSL, TIC)

Any statistical measures used to support the following conclusions are attached so that the review may be reviewed by others.

Summary of Results

	I TCL-PCBs	II	III	IV
Acceptable as Submitted				
Acceptable with Comments	X			
Unacceptable, Action Pending				
Unacceptable				

Data Reviewed by: Smita Sumbaly Date: 09/30/96

Approved By: [signature] Date: 9/30/96

Area Code/Phone No.: (908) 225-6116

NARATIVE

CASE No. 1416

SITE NAME: Cornell-Dubilier Electronics Site

South Plainfield, New Jersey.

Laboratory Name: Industrial Corrosion Management, Inc. (ICM),
Randolph, New Jersey.

INTRODUCTION:

The laboratory's portion of this Case consisted of 48 - soil and 2- Aqueous samples collected on June 27 & 29, 1996.

The laboratory reported No problem(s) with the receipt of these samples.

The laboratory reported No problems with the analyses of Target Compound List (TCL) polychlorinated biphenyls (PCBs) analytical parameters.

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

Evaluation by Fraction

PCBs

_Y_ Holding Times	_Y_ Calibration Linearity
_Y_ Instrument Performance	_Y_ Blank
_NA_ DDT RT/12 Minutes?	_Y_ Surrogate Recovery
_Y_ Retention Time Window	_Y_ MS/MSD
_Y_ Analytical Sequence	_Y_ Compound ID (HSL,TIC)
_NA_ DDT/Endrin Degradation	_Y_ Standards
_Y_ RT Check for DBC	_Y_ Chromatography

Comments:

1. Refer to Data Assessment Narrative.

REGION II START DATA ASSESSMENT REPORT

RFP PROJECT #: 1416 **CASE #:** 238930 & 238543 **SDG#:** RIN1A & RIN2A

LAB: Industrial Corrosion Management, Inc. **LAB CODE:** ICM

SITE: Cornell Dubilier Electronics

ANALYSIS: Target Compound List (TCL) - polychlorinated biphenyls (PCBs)

CONTRACTOR: START **REVIEWER:** Smita Sumbaly

CERCLIS ID #:

MATRIX:
Water: 2
Soil/Sediment: 48
Liquid: NA

The current Functional Guidelines for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detects), "R" (unusable), or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Analytical data qualified as "JN" or "R" may not be used to demonstrate compliance with Toxicity Characteristic or Land Ban Regulations.

Reviewer's Signature: Smita Sumbaly **Date:** 9/30/1996

Verified By: _____ **Date:** __/__/19__

On June 27 & 29, 1996, USEPA Region II personnel collected 48 investigative soil samples and two low concentration aqueous rinsate blanks for Target Compound List (TCL) - polychlorinated biphenyl compounds - PCBs from the Cornell Dubilier Electronics Site, South Plainfield, New Jersey. Within twenty-four hours of collection, samples were hand-delivered to Industrial Corrosion Management (ICM), Inc, Randolph, New Jersey. The laboratory verified that samples were received intact and properly custody sealed. (sample cooler temperature recorded at 2.7°C & 3.1°C).

Target Compound List (TCL) organic analyses for polychlorinated biphenyls - PCBs were performed following the Contract Laboratory Program (CLP) Statement of Work (SOW) number OLM03.0.

Client identification (ID) and laboratory ID numbers: SDG: RIN1A

Client ID No.	Laboratory ID No.	Matrix	Sampling Date
SS1 [3]	238536	Soil	06/27/96
SS2	238538	Soil	06/27/96
SS3	238540	Soil	06/27/96
SS4	238542	Soil	06/27/96
SS5	238546	Soil	06/27/96
SS6	238548	Soil	06/27/96
SS7	238552	Soil	06/27/96
SS8	238554	Soil	06/27/96
SS9	238556	Soil	06/27/96
SS10	238558	Soil	06/27/96
SS11	238560	Soil	06/27/96
SS12	238562	Soil	06/27/96
SS26 [1]	238550	Soil	06/27/96
S1 [3]	238535	Soil	06/27/96
S2	238537	Soil	06/27/96
S3	238539	Soil	06/27/96
S4	238541	Soil	06/27/96
S5	238545	Soil	06/27/96
S6	238547	Soil	06/27/96
S7	238551	Soil	06/27/96
S8	238553	Soil	06/27/96
S9	238555	Soil	06/27/96
S10	238557	Soil	06/27/96
S11	238559	Soil	06/27/96
S12	238561	Soil	06/27/96
S26 [1]	238549	Soil	06/27/96
RIN1A [2]	238543	Water	06/27/96

1) Soil samples S26 & SS26 are field duplicate sample of soil samples S6 & SS6.
2) Aqueous Rinsate blank sample RIN1A is associated with the above soil samples.

A.2.2 Data Assessment (continued):

3) Soil samples S1 & SS1 were designated on the Chain-of-Custody record for Quality Control (QC) analyses.

Client identification (ID) and laboratory ID numbers: SDG: RIN2A

Client ID No.	Laboratory ID No.	Matrix	Sampling Date
SS13	238910	Soil	06/29/96
SS14	238912	Soil	06/29/96
SS15 [3]	238914	Soil	06/29/96
SS16	238916	Soil	06/29/96
SS17	238918	Soil	06/29/96
SS18	238920	Soil	06/29/96
SS19	238922	Soil	06/29/96
SS20	238924	Soil	06/29/96
SS21	238926	Soil	06/29/96
SS22	238927	Soil	06/29/96
SS28 [1]	238932	Soil	06/29/96
S13	238909	Soil	06/29/96
S14	238911	Soil	06/29/96
S15 [3]	238913	Soil	06/29/96
S16	238915	Soil	06/29/96
S17	238917	Soil	06/29/96
S18	238919	Soil	06/29/96
S19	238921	Soil	06/29/96
S20	238923	Soil	06/29/96
S21	238925	Soil	06/29/96
S22	238927	Soil	06/29/96
S28 [1]	238931	Soil	06/29/96
RIN2B [2]	238543	Water	06/29/96

1) Soil samples S28 & SS28 are field duplicate sample of soil samples S17 & SS17.
2) Aqueous Rinsate blank sample RIN2B is associated with the above soil samples.
3) Soil samples S15 & SS15 were designated on the Chain-of-Custody record for Quality Control (QC) analyses.

A.2.2 Data Assessment (continued):

1. HOLDING TIMES:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following analytes in the samples shown were qualified because of holding time:

PCBs : Contractual extraction and analysis holding time requirements were met by the laboratory for all samples associated with RFP No. 1416 (extraction within ten (10) days of the Validated Time of Sample receipt (VTSR) for non-aqueous samples; analysis within forty (40) days of extraction).

A.2.2 Data Assessment (continued):

2). BLANK CONTAMINATION:

Quality Assurance (QA) blanks [i.e., method, trip, field or rinse blanks] are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the samples shown were qualified with "U" for these reasons:

A) Method Blank Contamination

PCBs - The following compounds were qualified as non-detected "U" in the associated samples due to method blank contamination:

Compound	Associated Samples

PCB compounds were not detected by the laboratory in the associated method blank; samples data were not qualified based on method blank contamination.

B) Field or Rinse Blank Contamination

PCBs - The following compounds were qualified as non-detected "U" in the associated samples due to rinseblank contamination:

Compound	Associated Samples

PCB compound - Aroclor 1254 was detected by the laboratory in the associated rinsate blank sample (RIN2B) but, data were not qualified based on rinsate blank contamination because sample concentrations were greater than 5 X CRQL and greater than 5 X rinse blank value.

A.2.2 Data Assessment (continued):

4. CALIBRATION:

B) PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be < 30% and %D must be < 25%. A value outside of these QC limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J"; and non-detects are flagged "UJ". If %RSD and/or %D grossly exceed QC criteria, non-detect data may be qualified "R".

For the PESTICIDE/PCB fraction, if %RSD exceeds 20% for all analytes except for the 2 surrogates (which must not exceed 30% RSD), qualify all associated positive results "J" and non-detects "UJ".

The following analytes in the samples shown were qualified for %RSD and %D:

Initial Calibration

PCBs - The following compounds were qualified as estimated "J" or rejected "R" in the associated samples because the linearity criteria or the percent relative standard deviation (%RSD) of the Initial Calibration is > 20% for either one or both GC columns:

Compound	Percent Recovery	Qualifier	Associated	Sample(s)

Initial Calibration %RSD and mean RRF values did not exceed specified QC criteria for GC/ECD columns DB-1701 and DB-5 (≤ 20%). Data were therefore not qualified due to Initial Calibration QC criteria.

Continuing Calibration

Pest/PCBs - The following compounds were qualified as estimated "J" in the associated samples because the Continuing Calibration %D is between 20-90% for these compounds on the primary GC column:

Compound	Associated Samples

The Continuing Calibration verifications associated with RFP No. 1416 are within acceptance QC criteria (%D ≤ 15%). Additionally, the Retention Time (RT) for aroclor data on each of the respective GC columns are within the RT windows established during the associated Initial Calibration sequence. Qualification of data based on Continuing Calibration QC criteria was not required.

A.2.2 Data Assessment (continued):

5. SURROGATES/SYSTEM MONITORING COMPOUNDS (SMC):

All samples are spiked with surrogate/SMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate/SMC concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below. The following analytes for the samples shown were qualified because of surrogate/SMC recovery:

PCBs - The following compounds were either qualified as estimated "J" or rejected "R" due to Tetrachloro-m-xylene (TCX) and Decachlorobiphenyl (DCB) surrogate recoveries are both outside specified advisory QC limits (30-150%):

SDG: RIN2A

Surrogate	Recovery	Qualifier	Compounds	Sample(s)
Tetrachloro-m-xylene (TCX) & Decachlorobiphenyl (DCB)	between 10-30%	"J"	7	SS28
Decachlorobiphenyl (DCB)	< 10%	"R" "J [1]"	6 1	SS13 DL & S 19

SDG: RIN1A

Tetrachloro-m-xylene (TCX) & Decachlorobiphenyl (DCB)	between 10-30%	"J"	7	S10 DL & S10
Decachlorobiphenyl (DCB)	< 10%	"R" "J [1]"	6 1	S7 DL & S 12
Tetrachloro-m-xylene (TCX)	< 10%	"R" "J [1]"	6 1	SS5

[1] Positive values only were qualified as estimated "J" in the associated samples.

Surrogate recoveries outside QC criteria (< 10%) may be attributable to the required dilution of the extract during analysis and/or due to matrix interference.

Note: Data were qualified because recoveries for both surrogates are outside specified QC limits and above 10%, or either surrogate has a percent recovery below 10%.

Note: Advisory surrogates in samples failed quality control criteria. The recoveries were greater than the laboratory's internal minimum acceptance criteria limit of twenty percent (20%) and were therefore reported without further analysis. Recoveries below 20% indicate possible extraction problems. Method blanks prepared and analyzed concurrently with these samples met all contamination criteria. Data were therefore reported without further analysis by the laboratory.

A.2.2 Data Assessment (continued):

8. COMPOUND IDENTIFICATION:

B) PCB FRACTION:

The retention time of the reported compounds must fall within the calculated retention time windows for the two chromatographic columns.

PCBs - The results for the positive compound Arochlor-1254 fell within the retention time windows established during the initial calibration sequence for all samples associated with Case No. 1416.

PCBs- The results of Aroclor-1254 exceeded the highest calibration standard of the initial calibration sequence in the undiluted analysis, therefore all samples were re-analyzed at a dilution to bring the results for Aroclor-1254 within the calibration range of the instrument.

PCBs - The following compounds were qualified as estimated "J" in the associated soil field duplicate samples (S26 & S6 , SS26 & SS6, S28 & S17 and SS28 & SS17) because the Relative Percent Difference (RPD) between the sample (S) and field duplicate sample (FD) is > 100% for the indicated compound(s):

Compound	Associated Field Duplicate Samples

No qualification of data was performed by the data reviewer because field duplicate data met QC criteria.

A.2.2 Data Assessment (continued):

B) PESTICIDE FRACTION (continued):

PCBs - The following detected compounds were qualified due to a percent difference (%D) between the primary and confirmation columns > 25%:

SDG: RIN2A

Compound	%D	Qualifier	Sample(s)
Aroclor-1254	between 25-50%	"J"	SS15, SS19, SS21 & SS22

SDG: RIN1A

Compound	%D	Qualifier	Sample(s)
Aroclor-1254	between 25-50%	"J"	SS9, S4, S6, S10[1], S11 DL & S26

[1] This compound was previously qualified as estimated "J" due to surrogate recovery QC criteria outside the control limit.

B) PESTICIDE FRACTION (continued):

PCBs - Due to professional judgement, the lower of two positive values generated by the laboratory from the primary and confirmation column analyses was used to report final results for the following pesticide compounds:

	Compound	Sample No.	Primary Column Value	Confirmation Column Value
SDG: RIN2A	Aroclor-1254	SS14 DL	2600	2400
		SS16	24000	23000
		S16 DL	9100	9000
		S21	160000	150000
SDG: RIN1A	Aroclor-1254	SS2 DL	92000	88000
		SS8	1100	1000
		SS8 DL	1800	1600
		SS11 DL	2000	1700
		S2 DL	61000	59000
		S3 DL	3900	3600
		S8 DL	92000	90000
		S9 DL	74000	73000
		S10 DL	12000	11000
		S11 DL	7300	4900

A.2.2 Data Assessment (continued):

Note: During the initial calibration sequence, absolute retention times are determined for all single response pesticides, the surrogates, and at least three major peaks of each multi-component analyte. Windows are centered around the mean absolute retention time for the analyte established during the initial calibration. Analytes are identified when peaks are observed in the retention time window for the compound on both GC columns. The quant reports listed many potential pesticide compounds for consideration. Comparison of the sample retention times to the retention time windows established during the initial calibration revealed that no additional pesticide compounds were detected in the associated samples. In addition, no shifts for surrogate compound retention times were noted to occur that might require consideration of compounds outside respective retention time windows.

A.2.2 Data Assessment (continued):

9. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for some additional qualification of the data. The following analytes, for the samples shown, were qualified because of MS/MSD:

The laboratory indicated in the case narrative that samples SS15, S15, SS1 & S1 were used as the original to prepare the duplicate matrix spikes.

PCBs - The following sample data were either qualified as estimated "J" or rejected "R" due to exceeding matrix spike & duplicate spike recovery QC criteria:

Original Sample	Spike Recovery	Qualifier	Compound(s)
SS15, S15, SS1 & S1	1		

1 matrix spikes and Duplicate matrix spikes (SS15 MS & SS15 MSD, S15 MS & S15 MSD, SS1 MS & SS1 MSD and S1 MS & S1 MSD) were analyzed at the same level of dilution (1:50) as the original sample (SS15, S15, SS1 & S1). The matrix spike and matrix spike duplicate recoveries were outside the QC limits due to the high concentration of Aroclor present in the samples. Using professional judgement, no qualification of associated PCB sample data was required due to MS/MSD criteria.

A.2.2 Data Assessment (continued):

10. OTHER QC DATA OUT OF SPECIFICATION (continued):

The following soil/sediment/solid sample data (other than TCLP data) were either qualified as estimated "J" (% solids between 10-50%) or rejected "R" (% solids < 10%) because the sample contains more than 50% water:

Fraction	Percent Solids	Qualifier	# Compounds	Sample(s)
PCBs	between 10-50%	"J"	7	SS10 & S10[1]

[1] This sample was previouly qualified as estimated "J" due to surrogate recovery outside the control limit.

A.2.2 Data Assessment (continued):

10. OTHER QC DATA OUT OF SPECIFICATION (continued):

The following compounds were qualified as estimated "J" in the indicated samples because the on-column amount of these compounds exceeded the instrument's analytical range as defined by the highest concentration level of the Initial Calibration Sequence:

Fraction	Sample(s)	Compound(s)

No qualification required.

A.2.2 Data Assessment (continued):

11. **This package contain re-extraction, re-analysis or dilution results. Upon reviewing the QA results, the following Form I(s) are identified to be used:**

PCB Fraction:	Use Sample(s)	Do Not Use Sample(s)
SDG: RIN2A	SS13, SS14, SS15, SS16, SS17,SS19, SS20, SS21, SS22 SS28, S13, S14, S15, S16, S17, S18, S19 DL, S20 S21, S22 & S28	SS13 DL, SS14 DL, SS15 DL,SS16 DL, SS17 DL, SS19 DL, SS20DL, SS21 DL, SS22 DL, SS28 DL, S13 DL, S14 DL, S15 DL, S16 DL, S17 DL, S18 DL, S19 S20 DL, S21 DL & S28 DL.
SDG: RIN1A	SS1, SS2, SS3, SS4, SS5 DL, SS6, SS7, SS8, SS9, SS10, SS11, SS12, SS26, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12 DL & S26	SS1 DL, SS2 DL, SS3 DL, SS4 DL, SS5, SS6 DL, SS7 DL, SS8 DL, SS9 DL, SS10 DL, SS11 DL, SS12 DL, SS26 DL, S1 DL, S2 DL, S3 DL, S4 DL, S5 DL, S6 DL, S7 DL, S8 DL, S9 DL, S10 DL, S11 DL, S12 & S26 DL.

1 Due to professional judgement, data from the indicated sample will be used instead of data from the associated sample re-analysis and/or dilution analysis because overall QC criteria is better met in the original sample analysis.

A.2.2 Data Assessment (continued):

CONTRACT PROBLEMS_____NON-COMPLIANCE:

SDG: RIN 2A

Laboratory failed to qualify Form I's with an "E" qualifier to indicate their unreliability due to exceeding the calibration range. Data reviewer corrected Form I's.

SDG: RIN1A & RIN 2A

A multi component analyte Aroclor - 1254 was detected in all samples, but a matching multi component standard was not analyzed within 72 hours of the injection of the sample and within a valid 12 hour sequence.

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil SS1 238536	Soil SS2 238538	Soil SS3 238540	Soil SS4 238542	Soil SS5 238546
Percent Moisture		8.0	11	9	9	24
Dilution Factor		10.0	20.0	1.0	5.0	10000.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	37000	88000	77.0	14000	5000000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 100 X D/F	Aroclor-1254 200 X D/F		Aroclor-1254 50 X D/F	

Polychlorinated Biph	Method Detection Limit	Soil SS6 238548	Soil SS7 238552	Soil SS8 238554	Soil SS9 238556	Soil SS10 238558	
Percent Moisture		25	20	12	11	63	
Dilution Factor		500.0	1.0	1.0	1.0	10	
Aroclor-1016	33.0	U	U	U	U	U	J
Aroclor-1221	67.0	U	U	U	U	U	J
Aroclor-1232	33.0	U	U	U	U	U	J
Aroclor-1242	33.0	U	U	U	U	U	J
Aroclor-1248	33.0	U	U	U	U	U	J
Aroclor-1254	33.0	2700000	3300	1600	5400	100000	J
Aroclor-1260	33.0	U	U	U	U	U	J
		Aroclor-1254 5000 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 5 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 100 X D/F	

Polychlorinated Biph	Method Detection Limit	Soil SS11 238560	Soil SS12 238562	Soil SS26 238550	Soil S1 238535	Soil S2 238537
Percent Moisture		11	17	24	1	8
Dilution Factor		1.0	3.0	500.0	2.0	10.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	1700	7500	1900000	6200	59000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	Aroclor-1254 5000 X D/F	Aroclor-1254 20 X D/F	Aroclor-1254 100 X D/F

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 27, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil S3 238539	Soil S4 238541	Soil S5 238545	Soil S6 238547	Soil S7 238551
Percent Moisture		6	7	11	13	23
Dilution Factor		1.0	3.0	200.0	1000.0	20.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	3600	16000	1000000	3000000	100000 J
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	Aroclor-1254 2000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 200 X D/F

Polychlorinated Biph	Method Detection Limit	Soil S8 238553	Soil S9 238555	Soil S10 238557	Soil S11 238559	Soil S12 238561
Percent Moisture		11	14	57	4	7
Dilution Factor		20.0	20.0	1.0	3.0	1000.0
Aroclor-1016	33.0	U	U	U J	U	U
Aroclor-1221	67.0	U	U	U J	U	U
Aroclor-1232	33.0	U	U	U J	U	U
Aroclor-1242	33.0	U	U	U J	U	U
Aroclor-1248	33.0	U	U	U J	U	U
Aroclor-1254	33.0	90000	73000	11000 J	4900 J	190000
Aroclor-1260	33.0	U	U	U J	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 30 X D/F	

SAMPLE #/CONCENTRATION (µg/L)

Polychlorinated Biph	Method Detection Limit	Soil S26 238549		Method Detection Limit	Water RIN1A 238543	
Percent moisture		15			-	
Dilution Factor		1000.0			1.0	
Aroclor-1016	33.0	U		1.0	U	
Aroclor-1221	67.0	U		2.0	U	
Aroclor-1232	33.0	U		1.0	U	
Aroclor-1242	33.0	U		1.0	U	
Aroclor-1248	33.0	U		1.0	U	
Aroclor-1254	33.0	3900000		1.0	U	
Aroclor-1260	33.0	U		1.0	U	
		Aroclor-1254 10000 X D/F				

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil SS13 238910	Soil SS14 238912	Soil SS15 238914	Soil SS16 238916	Soil SS17 238918
Percent Moisture		3.0	10	9	11	10
Dilution Factor		20.0	1.0	2.0	20.0	1.0
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	37000 J	2400	12000	30000	2700
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F	Aroclor-1254 20 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 10 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS18 238920	Soil SS19 238922	Soil SS20 238924	Soil SS21 238926	Soil SS22 238927
Percent Moisture		10	13	8	23	5
Dilution Factor		1.0	5000	1000	1000	10
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	U	22000000	1600000	5500000	1000000
Aroclor-1260	33.0	U	U	U	U	U
			Aroclor-1254 50000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 10000 X D/F	Aroclor-1254 500 X D/F

Polychlorinated Biph	Method Detection Limit	Soil SS28 238932	Soil S13 238909	Soil S14 238911	Soil S15 238913	Soil S16 238915
Percent Moisture		9	5	3	3	3
Dilution Factor		1.0	20.0	10.0	20.0	5.0
Aroclor-1016	33.0	U J	U	U	U	U
Aroclor-1221	67.0	U J	U	U	U	U
Aroclor-1232	33.0	U J	U	U	U	U
Aroclor-1242	33.0	U J	U	U	U	U
Aroclor-1248	33.0	U J	U	U	U	U
Aroclor-1254	33.0	720 J	29000	28000	45000	9000
Aroclor-1260	33.0	U J	U	U	U	U
			Aroclor-1254 200 X D/F	Aroclor-1254 100 X D/F	Aroclor-1254 200 X D/F	Aroclor-1254 50 X D/F

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Kathy Campbell

Sampling Date: June 29, 1996

SAMPLE #/CONCENTRATION (µg/Kg)

Polychlorinated Biph	Method Detection Limit	Soil S17 238917	Soil S18 238919	Soil S19 238921	Soil S20 238923	Soil S21 238925
Percent Moisture		8	10	3	3	4
Dilution Factor		20.0	2.0	2000	5.0	100
Aroclor-1016	33.0	U	U	U	U	U
Aroclor-1221	67.0	U	U	U	U	U
Aroclor-1232	33.0	U	U	U	U	U
Aroclor-1242	33.0	U	U	U	U	U
Aroclor-1248	33.0	U	U	U	U	U
Aroclor-1254	33.0	32000	8500	340000	11000	180000
Aroclor-1260	33.0	U	U	U	U	U
		Aroclor-1254 200 X D/F	Aroclor-1254 20 X D/F		Aroclor-1254 50 X D/F	Aroclor-1254 1000 X D/F

Polychlorinated Biph	Method Detection Limit	Soil S22 238927	Soil S28 238931			
Percent Moisture		5	3			
Dilution Factor		100.0	10.0			
Aroclor-1016	33.0	U	U			
Aroclor-1221	67.0	U	U			
Aroclor-1232	33.0	U	U			
Aroclor-1242	33.0	U	U			
Aroclor-1248	33.0	U	U			
Aroclor-1254	33.0	83000	26000			
Aroclor-1260	33.0	U	U			
			Aroclor-1254 100 X D/F			

SAMPLE #/CONCENTRATION (µg/L)

Polychlorinated Biph	Method Detection Limit	Water RIN2B 238930				
Percent moisture		-				
Dilution Factor		1.0				
Aroclor-1016	1.0	U				
Aroclor-1221	2.0	U				
Aroclor-1232	1.0	U				
Aroclor-1242	1.0	U				
Aroclor-1248	1.0	U				
Aroclor-1254	1.0	2.3				
Aroclor-1260	1.0	U				

U - non-detected compound
B - detected in the corresponding method blank
J - estimated value
J - between the instrument detection limit (IDL) and the method detection limit (MDL)
JN - presumptive evidence of a compound at an estimated value
R - rejected compound

SDG NARRATIVE

LABORATORY NAME: Industrial Corrosion Management, Inc.
LOCATION: 1152 Route 10, Randolph, NJ 07869
CASE NAME: Roy F. Weston, Inc.
CASE NUMBER: RFP No. 1416
SDG NUMBER: RIN1A

Pesticides/PCBs:

1. Column utilized for Pesticide/PCB analysis: J&W Scientific DB608 30m x 0.53 ID, 0.83 um film thickness and J&W Scientific DB1701 30m x 0.53 ID, 1.0 um film thickness

2. The following symbols will be used on the Pesticides/PCBs chromatograms:

OW = outside window
NP = No pattern of multicomponent compounds
<0.5 CRQL = Less than the CRQL value
NC = Not confirmed
NT = Non-targeted compound

3. Due to software limitations, the following samples could not be reported as part of the analytical sequence on FORM VIII PEST: GPC BLK, GPC PEST, GPC PCB,

4. Form 2F: Surrogate recoveries for a number of samples were outside QC limits or had 0% recovery. This is due to the high concentration of Aroclor in the samples and the high dilutions needed to get the Aroclor within chromatographic criteria.

5. Form 3F: MS/MSD recoveries for a number of spike compounds were outside QC limits due to the high concentration of Aroclor present in the sample. As per the SOW these limits are advisory and no further action is required.

6. PIBLK15 did not transfer from the GC instrument to the computer, therefore no data can be submitted for this sample. PIBLK16 ran directly after PIBLK15, and data is submitted for this sample.

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

Richard S. Levine
Laboratory Manager

Date

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN1A

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) WATER Lab Sample ID: 238543

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03151

% Moisture: _____ decanted: (Y/N)___ Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/03/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS1

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238536

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03343

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	35.	U
72-55-9	4,4'-DDE	35.	U
72-20-8	Endrin	35.	U
33213-65-9	Endosulfan II	35.	U
72-54-8	4,4'-DDD	35.	U
1031-07-8	Endosulfan Sulfate	35.	U
50-29-3	4,4'-DDT	35.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	35.	U
7421-93-4	Endrin aldehyde	35.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	350.	U
11104-28-2	Aroclor-1221	720.	U
11141-16-5	Aroclor-1232	350.	U
53469-21-9	Aroclor-1242	350.	U
12672-29-6	Aroclor-1248	350.	U
11097-69-1	Aroclor-1254	37000 ~~21000~~	~~E~~ D*
11096-82-5	Aroclor-1260	350.	U

D* value transferred from dilution analysis SS1DL 100 x D/F

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS2

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238538

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03266

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	74.	U
72-55-9	4,4'-DDE	74.	U
72-20-8	Endrin	74.	U
33213-65-9	Endosulfan II	74.	U
72-54-8	4,4'-DDD	74.	U
1031-07-8	Endosulfan Sulfate	74.	U
50-29-3	4,4'-DDT	74.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	74.	U
7421-93-4	Endrin aldehyde	74.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	740.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	740.	U
53469-21-9	Aroclor-1242	740.	U
12672-29-6	Aroclor-1248	740.	U
11097-69-1	Aroclor-1254	88000 ~~50000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	740.	U

D* Value transferred from diluted analysis SS2 DL 200 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS3

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238540

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03165

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	72.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	77.	
11096-82-5	Aroclor-1260	36.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS4

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238542

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03268

% Moisture: 9. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 9.0 Sulfur Cleanup: (Y/N) N

use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9.3	U
319-85-7	beta-BHC	9.3	U
319-86-8	delta-BHC	9.3	U
58-89-9	gamma-BHC (Lindane)	9.3	U
76-44-8	Heptachlor	9.3	U
309-00-2	Aldrin	9.3	U
1024-57-3	Heptachlor epoxide	9.3	U
959-98-8	Endosulfan I	9.3	U
60-57-1	Dieldrin	18.	U
72-55-9	4,4'-DDE	18.	U
72-20-8	Endrin	18.	U
33213-65-9	Endosulfan II	18.	U
72-54-8	4,4'-DDD	18.	U
1031-07-8	Endosulfan Sulfate	18.	U
50-29-3	4,4'-DDT	18.	U
72-43-5	Methoxychlor	93.	U
53494-70-5	Endrin ketone	18.	U
7421-93-4	Endrin aldehyde	18.	U
5103-71-9	alpha-Chlordane	9.3	U
5103-74-2	gamma-Chlordane	9.3	U
8001-35-2	Toxaphene	930.	U
12674-11-2	Aroclor-1016	180.	U
11104-28-2	Aroclor-1221	370.	U
11141-16-5	Aroclor-1232	180.	U
53469-21-9	Aroclor-1242	180.	U
12672-29-6	Aroclor-1248	180.	U
11097-69-1	Aroclor-1254	14000 ~~8200.~~	~~E~~ D*
11096-82-5	Aroclor-1260	180.	U

D* value transferred from diluted analysis SS4 DL 50 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS5	DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238546

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03242

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/10/96

Injection Volume: 1.0 (uL) Dilution Factor: 10000.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	23000.	U
319-85-7	beta-BHC	23000.	U
319-86-8	delta-BHC	23000.	U
58-89-9	gamma-BHC (Lindane)	23000.	U
76-44-8	Heptachlor	23000.	U
309-00-2	Aldrin	23000.	U
1024-57-3	Heptachlor epoxide	23000.	U
959-98-8	Endosulfan I	23000.	U
60-57-1	Dieldrin	44000.	U
72-55-9	4,4'-DDE	44000.	U
72-20-8	Endrin	44000.	U
33213-65-9	Endosulfan II	44000.	U
72-54-8	4,4'-DDD	44000.	U
1031-07-8	Endosulfan Sulfate	44000.	U
50-29-3	4,4'-DDT	44000.	U
72-43-5	Methoxychlor	230000.	U
53494-70-5	Endrin ketone	44000.	U
7421-93-4	Endrin aldehyde	44000.	U
5103-71-9	alpha-Chlordane	23000.	U
5103-74-2	gamma-Chlordane	23000.	U
8001-35-2	Toxaphene	2300000.	U
12674-11-2	Aroclor-1016	440000.	U
11104-28-2	Aroclor-1221	890000.	U
11141-16-5	Aroclor-1232	440000.	U
53469-21-9	Aroclor-1242	440000.	U
12672-29-6	Aroclor-1248	440000.	U
11097-69-1	Aroclor-1254	5000000.	D
11096-82-5	Aroclor-1260	440000.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS6

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238548

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03272

% Moisture: 25. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1100.	U
319-85-7	beta-BHC	1100.	U
319-86-8	delta-BHC	1100.	U
58-89-9	gamma-BHC (Lindane)	1100.	U
76-44-8	Heptachlor	1100.	U
309-00-2	Aldrin	1100.	U
1024-57-3	Heptachlor epoxide	1100.	U
959-98-8	Endosulfan I	1100.	U
60-57-1	Dieldrin	2200.	U
72-55-9	4,4'-DDE	2200.	U
72-20-8	Endrin	2200.	U
33213-65-9	Endosulfan II	2200.	U
72-54-8	4,4'-DDD	2200.	U
1031-07-8	Endosulfan Sulfate	2200.	U
50-29-3	4,4'-DDT	2200.	U
72-43-5	Methoxychlor	11000.	U
53494-70-5	Endrin ketone	2200.	U
7421-93-4	Endrin aldehyde	2200.	U
5103-71-9	alpha-Chlordane	1100.	U
5103-74-2	gamma-Chlordane	1100.	U
8001-35-2	Toxaphene	110000.	U
12674-11-2	Aroclor-1016	22000.	U
11104-28-2	Aroclor-1221	44000.	U
11141-16-5	Aroclor-1232	22000.	U
53469-21-9	Aroclor-1242	22000.	U
12672-29-6	Aroclor-1248	22000.	U
11097-69-1	Aroclor-1254	270000 ~~1600000.~~	E D*
11096-82-5	Aroclor-1260	22000.	U

D* value transferred from diluted analysis SS6DL 5000 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS7

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238552

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03427

% Moisture: 20. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan Sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210.	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	3300 ~~2100.~~	~~6~~ D*
11096-82-5	Aroclor-1260	41.	U

D* Value transferred from diluted analysis SS7 DL 10 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS8

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238554

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03431

% Moisture: 12. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg		Q
319-84-6	alpha-BHC		1.9	U
319-85-7	beta-BHC		1.9	U
319-86-8	delta-BHC		1.9	U
58-89-9	gamma-BHC (Lindane)		1.9	U
76-44-8	Heptachlor		1.9	U
309-00-2	Aldrin		1.9	U
1024-57-3	Heptachlor epoxide		1.9	U
959-98-8	Endosulfan I		1.9	U
60-57-1	Dieldrin		3.7	U
72-55-9	4,4'-DDE		3.7	U
72-20-8	Endrin		3.7	U
33213-65-9	Endosulfan II		3.7	U
72-54-8	4,4'-DDD		3.7	U
1031-07-8	Endosulfan Sulfate		3.7	U
50-29-3	4,4'-DDT		3.7	U
72-43-5	Methoxychlor		19.	U
53494-70-5	Endrin ketone		3.7	U
7421-93-4	Endrin aldehyde		3.7	U
5103-71-9	alpha-Chlordane		1.9	U
5103-74-2	gamma-Chlordane		1.9	U
8001-35-2	Toxaphene		190.	U
12674-11-2	Aroclor-1016		37.	U
11104-28-2	Aroclor-1221		76.	U
11141-16-5	Aroclor-1232		37.	U
53469-21-9	Aroclor-1242		37.	U
12672-29-6	Aroclor-1248		37.	U
11097-69-1	Aroclor-1254	1600	~~1000.~~	D*
11096-82-5	Aroclor-1260		37.	U

D* Value transferred from diluted analysis SS8 DL 5 X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS9

b Name: ICM Contract:

ab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

trix: (soil/water) SOIL Lab Sample ID: 238556

mple wt/vol: 30.1 (g/mL) G Lab File ID: 03428

Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

traction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

oncentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

jection Volume: 1.0 (uL) Dilution Factor: 1.0

PC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan Sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	75.	U
11141-16-5	Aroclor-1232	37.	U
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	5400 ~~2400.~~	~~EPJ~~ D*
11096-82-5	Aroclor-1260	37.	U

D* value transferred from diluted analysis SS9DL 10 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238558

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03344

% Moisture: 63. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (Sep/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	45.	U
319-85-7	beta-BHC	45.	U
319-86-8	delta-BHC	45.	U
58-89-9	gamma-BHC (Lindane)	45.	U
76-44-8	Heptachlor	45.	U
309-00-2	Aldrin	45.	U
1024-57-3	Heptachlor epoxide	45.	U
959-98-8	Endosulfan I	45.	U
60-57-1	Dieldrin	87.	U
72-55-9	4,4'-DDE	87.	U
72-20-8	Endrin	87.	U
33213-65-9	Endosulfan II	87.	U
72-54-8	4,4'-DDD	87.	U
1031-07-8	Endosulfan Sulfate	87.	U
50-29-3	4,4'-DDT	87.	U
72-43-5	Methoxychlor	450.	U
53494-70-5	Endrin ketone	87.	U
7421-93-4	Endrin aldehyde	87.	U
5103-71-9	alpha-Chlordane	45.	U
5103-74-2	gamma-Chlordane	45.	U
8001-35-2	Toxaphene	4500.	U
12674-11-2	Aroclor-1016	870.	U J
11104-28-2	Aroclor-1221	1800.	U J
11141-16-5	Aroclor-1232	870.	U J
53469-21-9	Aroclor-1242	870.	U J
12672-29-6	Aroclor-1248	100000 870.	U J
11097-69-1	Aroclor-1254	~~56000.~~	~~U~~ J D*
11096-82-5	Aroclor-1260	870.	~~U~~ J

D* value transferred from dilution analysis SS10 DL 100 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS11

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238560

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03430

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	74.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	1700 ~~1500.~~	D*
11096-82-5	Aroclor-1260	36.	U

D* value transferred from diluted analysis SS11DL 10 x DIF.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS12

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238562

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03397

% Moisture: 17. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	6.0	U
319-85-7	beta-BHC	6.0	U
319-86-8	delta-BHC	6.0	U
58-89-9	gamma-BHC (Lindane)	6.0	U
76-44-8	Heptachlor	6.0	U
309-00-2	Aldrin	6.0	U
1024-57-3	Heptachlor epoxide	6.0	U
959-98-8	Endosulfan I	6.0	U
60-57-1	Dieldrin	12.	U
72-55-9	4,4'-DDE	12.	U
72-20-8	Endrin	12.	U
33213-65-9	Endosulfan II	12.	U
72-54-8	4,4'-DDD	12.	U
1031-07-8	Endosulfan Sulfate	12.	U
50-29-3	4,4'-DDT	12.	U
72-43-5	Methoxychlor	60.	U
53494-70-5	Endrin ketone	12.	U
7421-93-4	Endrin aldehyde	12.	U
5103-71-9	alpha-Chlordane	6.0	U
5103-74-2	gamma-Chlordane	6.0	U
8001-35-2	Toxaphene	600.	U
12674-11-2	Aroclor-1016	120.	U
11104-28-2	Aroclor-1221	240.	U
11141-16-5	Aroclor-1232	120.	U
53469-21-9	Aroclor-1242	120.	U
12672-29-6	Aroclor-1248	120.	U
11097-69-1	Aroclor-1254	7500 ~~5000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	120.	U

D* value transferred from diluted analysis SS12DL 30 x D/F.

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238550

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03277

% Moisture: 24. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 500.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1100.	U
319-85-7	beta-BHC	1100.	U
319-86-8	delta-BHC	1100.	U
58-89-9	gamma-BHC (Lindane)	1100.	U
76-44-8	Heptachlor	1100.	U
309-00-2	Aldrin	1100.	U
1024-57-3	Heptachlor epoxide	1100.	U
959-98-8	Endosulfan I	1100.	U
60-57-1	Dieldrin	2100.	U
72-55-9	4,4'-DDE	2100.	U
72-20-8	Endrin	2100.	U
33213-65-9	Endosulfan II	2100.	U
72-54-8	4,4'-DDD	2100.	U
1031-07-8	Endosulfan Sulfate	2100.	U
50-29-3	4,4'-DDT	2100.	U
72-43-5	Methoxychlor	11000.	U
53494-70-5	Endrin ketone	2100.	U
7421-93-4	Endrin aldehyde	2100.	U
5103-71-9	alpha-Chlordane	1100.	U
5103-74-2	gamma-Chlordane	1100.	U
8001-35-2	Toxaphene	110000.	U
12674-11-2	Aroclor-1016	21000.	U
11104-28-2	Aroclor-1221	43000.	U
11141-16-5	Aroclor-1232	21000.	U
53469-21-9	Aroclor-1242	21000.	U
12672-29-6	Aroclor-1248	21000.	U
11097-69-1	Aroclor-1254	1900000 ~~1200000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	21000.	U

D* Value transferred from diluted analysis SS26DL 5000 X D/F.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238535

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03251

% Moisture: 1. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.4	U
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	3.4	U
76-44-8	Heptachlor	3.4	U
309-00-2	Aldrin	3.4	U
1024-57-3	Heptachlor epoxide	3.4	U
959-98-8	Endosulfan I	3.4	U
60-57-1	Dieldrin	6.6	U
72-55-9	4,4'-DDE	6.6	U
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	6.6	U
1031-07-8	Endosulfan Sulfate	6.6	U
50-29-3	4,4'-DDT	6.6	U
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin ketone	6.6	U
7421-93-4	Endrin aldehyde	6.6	U
5103-71-9	alpha-Chlordane	3.4	U
5103-74-2	gamma-Chlordane	3.4	U
8001-35-2	Toxaphene	340.	U
12674-11-2	Aroclor-1016	66.	U
11104-28-2	Aroclor-1221	130.	U
11141-16-5	Aroclor-1232	66.	U
53469-21-9	Aroclor-1242	66.	U
12672-29-6	Aroclor-1248	66.	U
11097-69-1	Aroclor-1254	6200 ~~3500.~~	D*
11096-82-5	Aroclor-1260	66.	U

D* value transferred from diluted analysis S1 DL 20 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S2

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238537

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03252

% Moisture: 8. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	36.	U
72-55-9	4,4'-DDE	36.	U
72-20-8	Endrin	36.	U
33213-65-9	Endosulfan II	36.	U
72-54-8	4,4'-DDD	36.	U
1031-07-8	Endosulfan Sulfate	36.	U
50-29-3	4,4'-DDT	36.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	36.	U
7421-93-4	Endrin aldehyde	36.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	360.	U
11104-28-2	Aroclor-1221	730.	U
11141-16-5	Aroclor-1232	360.	U
53469-21-9	Aroclor-1242	360.	U
12672-29-6	Aroclor-1248	360.	U
11097-69-1	Aroclor-1254	59000 ~~29000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	360.	U

D* Value transferred from diluted analysis S2DL 100 XD/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238539

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03164

% Moisture: 6. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/07/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan Sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	35.	U
11104-28-2	Aroclor-1221	70.	U
11141-16-5	Aroclor-1232	35.	U
53469-21-9	Aroclor-1242	35.	U
12672-29-6	Aroclor-1248	35.	U
11097-69-1	Aroclor-1254	3600 ~~1000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	35.	U

D* Value transferred from dilution analysis S3DL 10 X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238541

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03254

% Moisture: 7. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/11/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.4	U
319-85-7	beta-BHC	5.4	U
319-86-8	delta-BHC	5.4	U
58-89-9	gamma-BHC (Lindane)	5.4	U
76-44-8	Heptachlor	5.4	U
309-00-2	Aldrin	5.4	U
1024-57-3	Heptachlor epoxide	5.4	U
959-98-8	Endosulfan I	5.4	U
60-57-1	Dieldrin	11.	U
72-55-9	4,4'-DDE	11.	U
72-20-8	Endrin	11.	U
33213-65-9	Endosulfan II	11.	U
72-54-8	4,4'-DDD	11.	U
1031-07-8	Endosulfan Sulfate	11.	U
50-29-3	4,4'-DDT	11.	U
72-43-5	Methoxychlor	54.	U
53494-70-5	Endrin ketone	11.	U
7421-93-4	Endrin aldehyde	11.	U
5103-71-9	alpha-Chlordane	5.4	U
5103-74-2	gamma-Chlordane	5.4	U
8001-35-2	Toxaphene	540.	U
12674-11-2	Aroclor-1016	110.	U
11104-28-2	Aroclor-1221	210.	U
11141-16-5	Aroclor-1232	110.	U
53469-21-9	Aroclor-1242	110.	U
12672-29-6	Aroclor-1248	110.	U
11097-69-1	Aroclor-1254	16000 ~~7900.~~	~~EPJ~~ D*
11096-82-5	Aroclor-1260	110.	U

D* Value transferred from diluted analysis S4DL 30x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238545

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03269

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	380.	U
319-85-7	beta-BHC	380.	U
319-86-8	delta-BHC	380.	U
58-89-9	gamma-BHC (Lindane)	380.	U
76-44-8	Heptachlor	380.	U
309-00-2	Aldrin	380.	U
1024-57-3	Heptachlor epoxide	380.	U
959-98-8	Endosulfan I	380.	U
60-57-1	Dieldrin	740.	U
72-55-9	4,4'-DDE	740.	U
72-20-8	Endrin	740.	U
33213-65-9	Endosulfan II	740.	U
72-54-8	4,4'-DDD	740.	U
1031-07-8	Endosulfan Sulfate	740.	U
50-29-3	4,4'-DDT	740.	U
72-43-5	Methoxychlor	3800.	U
53494-70-5	Endrin ketone	740.	U
7421-93-4	Endrin aldehyde	740.	U
5103-71-9	alpha-Chlordane	380.	U
5103-74-2	gamma-Chlordane	380.	U
8001-35-2	Toxaphene	38000.	U
12674-11-2	Aroclor-1016	7400.	U
11104-28-2	Aroclor-1221	15000.	U
11141-16-5	Aroclor-1232	7400.	U
53469-21-9	Aroclor-1242	7400.	U
12672-29-6	Aroclor-1248	7400.	U
11097-69-1	Aroclor-1254	1000000 ~~520000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	7400.	U

D* Value transferred from diluted analysis S5DL 2000x D/F.

ID.

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S6

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238547

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03271

% Moisture: 13. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1900.	U
319-85-7	beta-BHC	1900.	U
319-86-8	delta-BHC	1900.	U
58-89-9	gamma-BHC (Lindane)	1900.	U
76-44-8	Heptachlor	1900.	U
309-00-2	Aldrin	1900.	U
1024-57-3	Heptachlor epoxide	1900.	U
959-98-8	Endosulfan I	1900.	U
60-57-1	Dieldrin	3800.	U
72-55-9	4,4'-DDE	3800.	U
72-20-8	Endrin	3800.	U
33213-65-9	Endosulfan II	3800.	U
72-54-8	4,4'-DDD	3800.	U
1031-07-8	Endosulfan Sulfate	3800.	U
50-29-3	4,4'-DDT	3800.	U
72-43-5	Methoxychlor	19000.	U
53494-70-5	Endrin ketone	3800.	U
7421-93-4	Endrin aldehyde	3800.	U
5103-71-9	alpha-Chlordane	1900.	U
5103-74-2	gamma-Chlordane	1900.	U
8001-35-2	Toxaphene	190000.	U
12674-11-2	Aroclor-1016	38000.	U
11104-28-2	Aroclor-1221	77000.	U
11141-16-5	Aroclor-1232	38000.	U
53469-21-9	Aroclor-1242	38000.	U
12672-29-6	Aroclor-1248	38000.	U
11097-69-1	Aroclor-1254	3000000 ~~2200000.~~	~~EP~~ D*
11096-82-5	Aroclor-1260	38000.	U

D* value transferred from diluted analysis S6 DL 10,000 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238551

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03279

% Moisture: 23. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	44.	U
319-85-7	beta-BHC	44.	U
319-86-8	delta-BHC	44.	U
58-89-9	gamma-BHC (Lindane)	44.	U
76-44-8	Heptachlor	44.	U
309-00-2	Aldrin	44.	U
1024-57-3	Heptachlor epoxide	44.	U
959-98-8	Endosulfan I	44.	U
60-57-1	Dieldrin	85.	U
72-55-9	4,4'-DDE	85.	U
72-20-8	Endrin	85.	U
33213-65-9	Endosulfan II	85.	U
72-54-8	4,4'-DDD	85.	U
1031-07-8	Endosulfan Sulfate	85.	U
50-29-3	4,4'-DDT	85.	U
72-43-5	Methoxychlor	440.	U
53494-70-5	Endrin ketone	85.	U
7421-93-4	Endrin aldehyde	85.	U
5103-71-9	alpha-Chlordane	44.	U
5103-74-2	gamma-Chlordane	44.	U
8001-35-2	Toxaphene	4400.	U
12674-11-2	Aroclor-1016	850.	U
11104-28-2	Aroclor-1221	1700.	U
11141-16-5	Aroclor-1232	850.	U
53469-21-9	Aroclor-1242	850.	U
12672-29-6	Aroclor-1248	850.	U
11097-69-1	Aroclor-1254	100000 ~~60000.~~	EJ D*
11096-82-5	Aroclor-1260	850.	U

D* value transferred from diluted analysis S7DL 200 x D/F.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S8

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238553

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03278

% Moisture: 11. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	73.	U
72-55-9	4,4'-DDE	73.	U
72-20-8	Endrin	73.	U
33213-65-9	Endosulfan II	73.	U
72-54-8	4,4'-DDD	73.	U
1031-07-8	Endosulfan Sulfate	73.	U
50-29-3	4,4'-DDT	73.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	73.	U
7421-93-4	Endrin aldehyde	73.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	730.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	730.	U
53469-21-9	Aroclor-1242	730.	U
12672-29-6	Aroclor-1248	730.	U
11097-69-1	Aroclor-1254	90000 ~~43000.~~	~~E~~ D*
11096-82-5	Aroclor-1260	730.	U

D* Value transferred from diluted analysis S8 DL 200x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238555

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03280

% Moisture: 14. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	39.	U
319-85-7	beta-BHC	39.	U
319-86-8	delta-BHC	39.	U
58-89-9	gamma-BHC (Lindane)	39.	U
76-44-8	Heptachlor	39.	U
309-00-2	Aldrin	39.	U
1024-57-3	Heptachlor epoxide	39.	U
959-98-8	Endosulfan I	39.	U
60-57-1	Dieldrin	76.	U
72-55-9	4,4'-DDE	76.	U
72-20-8	Endrin	76.	U
33213-65-9	Endosulfan II	76.	U
72-54-8	4,4'-DDD	76.	U
1031-07-8	Endosulfan Sulfate	76.	U
50-29-3	4,4'-DDT	76.	U
72-43-5	Methoxychlor	390.	U
53494-70-5	Endrin ketone	76.	U
7421-93-4	Endrin aldehyde	76.	U
5103-71-9	alpha-Chlordane	39.	U
5103-74-2	gamma-Chlordane	39.	U
8001-35-2	Toxaphene	3900.	U
12674-11-2	Aroclor-1016	760.	U
11104-28-2	Aroclor-1221	1600.	U
11141-16-5	Aroclor-1232	760.	U
53469-21-9	Aroclor-1242	760.	U
12672-29-6	Aroclor-1248	760.	U
11097-69-1	Aroclor-1254	73000 ~~45000.~~	E D*
11096-82-5	Aroclor-1260	760.	U

D* value transferred from diluted analysis S9DL 200 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S10

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238557

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03429

% Moisture: 57. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/22/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.9	U
319-85-7	beta-BHC	3.9	U
319-86-8	delta-BHC	3.9	U
58-89-9	gamma-BHC (Lindane)	3.9	U
76-44-8	Heptachlor	3.9	U
309-00-2	Aldrin	3.9	U
1024-57-3	Heptachlor epoxide	3.9	U
959-98-8	Endosulfan I	3.9	U
60-57-1	Dieldrin	7.6	U
72-55-9	4,4'-DDE	7.6	U
72-20-8	Endrin	7.6	U
33213-65-9	Endosulfan II	7.6	U
72-54-8	4,4'-DDD	7.6	U
1031-07-8	Endosulfan Sulfate	7.6	U
50-29-3	4,4'-DDT	7.6	U
72-43-5	Methoxychlor	39.	U
53494-70-5	Endrin ketone	7.6	U
7421-93-4	Endrin aldehyde	7.6	U
5103-71-9	alpha-Chlordane	3.9	U
5103-74-2	gamma-Chlordane	3.9	U
8001-35-2	Toxaphene	390.	U
12674-11-2	Aroclor-1016	76.	U J
11104-28-2	Aroclor-1221	150.	U J
11141-16-5	Aroclor-1232	76.	U J
53469-21-9	Aroclor-1242	76.	U J
12672-29-6	Aroclor-1248	76.	U J
11097-69-1	Aroclor-1254	11000 ~~5400.~~	~~6 DJ~~ J D*
11096-82-5	Aroclor-1260	76.	U J

D* value transferred from diluted analysis S10 DL 10X DIF.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S11

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238559

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 03349

% Moisture: 4. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 3.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.2	U
319-85-7	beta-BHC	5.2	U
319-86-8	delta-BHC	5.2	U
58-89-9	gamma-BHC (Lindane)	5.2	U
76-44-8	Heptachlor	5.2	U
309-00-2	Aldrin	5.2	U
1024-57-3	Heptachlor epoxide	5.2	U
959-98-8	Endosulfan I	5.2	U
60-57-1	Dieldrin	10.	U
72-55-9	4,4'-DDE	10.	U
72-20-8	Endrin	10.	U
33213-65-9	Endosulfan II	10.	U
72-54-8	4,4'-DDD	10.	U
1031-07-8	Endosulfan Sulfate	10.	U
50-29-3	4,4'-DDT	10.	U
72-43-5	Methoxychlor	52.	U
53494-70-5	Endrin ketone	10.	U
7421-93-4	Endrin aldehyde	10.	U
5103-71-9	alpha-Chlordane	5.2	U
5103-74-2	gamma-Chlordane	5.2	U
8001-35-2	Toxaphene	520.	U
12674-11-2	Aroclor-1016	100.	U
11104-28-2	Aroclor-1221	210.	U
11141-16-5	Aroclor-1232	100.	U
53469-21-9	Aroclor-1242	100.	U
12672-29-6	Aroclor-1248	100.	U
11097-69-1	Aroclor-1254	4900 ~~4500.~~	~~E~~ J D*
11096-82-5	Aroclor-1260	100.	U

D* value transferred from diluted analysis S11 DL 30 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S12 α

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238561

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 03317

% Moisture: 7. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1800.	U
319-85-7	beta-BHC	1800.	U
319-86-8	delta-BHC	1800.	U
58-89-9	gamma-BHC (Lindane)	1800.	U
76-44-8	Heptachlor	1800.	U
309-00-2	Aldrin	1800.	U
1024-57-3	Heptachlor epoxide	1800.	U
959-98-8	Endosulfan I	1800.	U
60-57-1	Dieldrin	3500.	U
72-55-9	4,4'-DDE	3500.	U
72-20-8	Endrin	3500.	U
33213-65-9	Endosulfan II	3500.	U
72-54-8	4,4'-DDD	3500.	U
1031-07-8	Endosulfan Sulfate	3500.	U
50-29-3	4,4'-DDT	3500.	U
72-43-5	Methoxychlor	18000.	U
53494-70-5	Endrin ketone	3500.	U
7421-93-4	Endrin aldehyde	3500.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	180000.	U
12674-11-2	Aroclor-1016	35000.	U
11104-28-2	Aroclor-1221	70000.	U
11141-16-5	Aroclor-1232	35000.	U
53469-21-9	Aroclor-1242	35000.	U
12672-29-6	Aroclor-1248	35000.	U
11097-69-1	Aroclor-1254	190000.	D
11096-82-5	Aroclor-1260	35000.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S26

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN1A

Matrix: (soil/water) SOIL Lab Sample ID: 238549

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03273

% Moisture: 15. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2000.	U
319-85-7	beta-BHC	2000.	U
319-86-8	delta-BHC	2000.	U
58-89-9	gamma-BHC (Lindane)	2000.	U
76-44-8	Heptachlor	2000.	U
309-00-2	Aldrin	2000.	U
1024-57-3	Heptachlor epoxide	2000.	U
959-98-8	Endosulfan I	2000.	U
60-57-1	Dieldrin	3900.	U
72-55-9	4,4'-DDE	3900.	U
72-20-8	Endrin	3900.	U
33213-65-9	Endosulfan II	3900.	U
72-54-8	4,4'-DDD	3900.	U
1031-07-8	Endosulfan Sulfate	3900.	U
50-29-3	4,4'-DDT	3900.	U
72-43-5	Methoxychlor	20000.	U
53494-70-5	Endrin ketone	3900.	U
7421-93-4	Endrin aldehyde	3900.	U
5103-71-9	alpha-Chlordane	2000.	U
5103-74-2	gamma-Chlordane	2000.	U
8001-35-2	Toxaphene	200000.	U
12674-11-2	Aroclor-1016	39000.	U
11104-28-2	Aroclor-1221	78000.	U
11141-16-5	Aroclor-1232	39000.	U
53469-21-9	Aroclor-1242	39000.	U
12672-29-6	Aroclor-1248	39000.	U
11097-69-1	Aroclor-1254	3900000 ~~2500000.~~	~~E P~~ D*
11096-82-5	Aroclor-1260	39000.	U

D* Value transferred from diluted analysis S26 DL 10000 X D/F.

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL*	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
S1	6/27/96 950	5	L/m	G	6				X	X		238535				Cd Cr, Pb Hg Ag ms/msd
SS1	6/27/96 1000	5	L/m	G	6				X	X		238536				Cd Cr Pb Hg Ag ms/msd
S2	6/27/96 1010	5	L/m	G	6				X	X		238537				Cd Cr Pb Hg Ag
SS2	6/27/96 1020	5	L/m	G	6				X	X		238538				Cd Cr Pb Hg Ag
S3	6/27/96 1030	5	L/m	G	6				X	X		238539				Cd, Cr, Pb Hg Ag
SS3	6/27/96 1040	5	L/m	G	6				X	X		238540				Cd Cr Pb Hg Ag
S4	6/27/96 1045	5	L/m	G	6				X	X		238541				Cd, Cr, Pb, Hg
SS4	6/27/96 1055	5	L/m	G	6				X	X		238542				Cd Cr Pb Hg Ag
CDE 1 RIN	6/27/96 1145	4	L	G	6				X			238543				TCL PCB
CDE 1 RIN	6/27/96 1145	4	L	C	2.6					X		238544				Cd Cr, Pb Hg Ag
S5	6/27/96 1335	5	L/m	G	6				X	X		238545				Cd Cr Pb Hg Ag
SS5	6/27/96 1340	5	L/m	G	6				X	X		238546				Cd, Cr, Pb, Hg Ag
S6	6/27/96 1350	5	L/m	G	6				X	X		238547				Cd Cr Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1730	6/27/96	Swamy S. Tetha	Deliver to Lab
ALL	Swamy S. Tetha	1050	6/28/96	Denise G. Kellen	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management

7.70

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SS6	6/27/96 1400	5	4/m	G	6				X	X		238548				Cd, CR, Pb, Hg Ag
S26	6/27/96 1350	5	4/m	G	6				X	X		238549				Cd CR, Pb Hg Ag
SS26	6/27/96 1400	5	4/m	G	6				X	X		238550				Cd CR, Pb, Hg Ag
S7	6/27/96 1415	5	4/m	G	6				X	X		238551				Cd CR Pb Hg Ag
SS7	6/27/96 1425	5	4/m	G	6				X	X		238552				Cd Cr, Pb Hg Ag
SED 4	6/27/96 1520	5	4/m	G	6				X	X						Cd Cr Pb Hg Ag
S8	6/27/96 1525	5	4/m	G	6				X	X		238553				Cd CR Pb Hg Ag
SS8	6/27/96 1530	5	4/m	G	6				X	X		238554				Cd CR Pb Hg Ag
S9	6/27/96 1535	5	4/m	G	6				X	X		238555				Cd CR Pb Hg Ag
SS9	6/27/96 1540	5	4/m	G	6				X	X		238556				Cd CR Pb Hg Ag
S10	6/27/96 1545	5	4/m	G	6				X	X		238557				Cd CR Pb Hg Ag
SS10	6/27/96 1550	5	4/m	G	6				X	X		238558				Cd Cr Pb Hg Ag
S11	6/27/96 1600	5	4/m	G	6				X	X		238559				Cd CR, Pb Hg Ag

Person Assuming Responsibility for Sample: Jennifer Leahy — Time: 1700 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Jennifer Leahy	1730	6/27/96	Swamy S. Jetha	Deliver to Lab.
All	Swamy S. Jetha	1050	6/28/96	Denise G. Killen	RECEIPT AT LAB

Roy F. Weston, Inc.
EDERAL PROGRAMS DIVISION
Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management

27°C

RFP No.: 1416

PO No.: 65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER
SS11	6/27/96 1610	5	L/M	G	6				X	X		238560				Cd Cr Pb Hg Ag
S12	6/27/96 1700	5	L/M	G	6				X	X		238561				Cd Cr Pb Hg Ag
SS12	6/27/96 1710	5	L/M	G	6				X	X		238562				Cd Cr Pb Hg Ag
SED4	6/27/96 1520	5	L/M	G	6							238563				TOC, Grain Size

Person Assuming Responsibility for Sample: Jennifer Healy — Time: 1720 — Date (MM/DD/YY): 6/27/96

Sample Number	Relinquished By:	Time	Date MM/DD/YY	Received By:	Reason for Change of Custody
All	Healy	1730	6/27/96	Swamy S. Kotha	Deliver to Lab.
All	Swamy S. Kotha	1050	6/28/96	Irene G. Kelly	RECEIPT AT LAB

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management.

27°C

SDG NARRATIVE

LABORATORY NAME: Industrial Corrosion Management, Inc.
LOCATION: 1152 Route 10, Randolph, NJ 07869
CASE NAME: Roy F. Weston, Inc.
CASE NUMBER: RFP No. 1416
SDG NUMBER: RIN2A

Pesticides/PCBs:

1. Column utilized for Pesticide/PCB analysis: J&W Scientific DB608 30m x 0.53 ID, 0.83 um film thickness and J&W Scientific DB1701 30m x 0.53 ID, 1.0 um film thickness

2. The following symbols will be used on the Pesticides/PCBs chromatograms:

OW = outside window
NP = No pattern of multicomponent compounds
<0.5 CRQL = Less than the CRQL value
NC = Not confirmed
NT = Non-targeted compound

3. Due to software limitations, the following samples could not be reported as part of the analytical sequence on FORM VIII PEST: GPC BLK, GPC PEST, GPC PCB,

4. Form 2F: Surrogate recoveries for a number of samples were outside QC limits or had 0% recovery. This is due to the high concentration of Aroclor in the samples and the high dilutions needed to get the Aroclor within chromatographic criteria.

5. Form 3F: MS/MSD recoveries for a number of spike compounds were outside QC limits due to the high concentration of Aroclor present in the sample. As per the SOW these limits are advisory and no further action is required.

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

Richard Levine 7/29/96

Richard S. Levine
Laboratory Manager

Date

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RIN2B

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) WATER Lab Sample ID: 238930

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: 03154

% Moisture: _____ decanted: (Y/N)___ Date Received: 07/~~02~~/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 07/03/96

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	.050	U
319-85-7	beta-BHC	.050	U
319-86-8	delta-BHC	.050	U
58-89-9	gamma-BHC (Lindane)	.050	U
76-44-8	Heptachlor	.050	U
309-00-2	Aldrin	.050	U
1024-57-3	Heptachlor epoxide	.050	U
959-98-8	Endosulfan I	.050	U
60-57-1	Dieldrin	.10	U
72-55-9	4,4'-DDE	.10	U
72-20-8	Endrin	.10	U
33213-65-9	Endosulfan II	.10	U
72-54-8	4,4'-DDD	.10	U
1031-07-8	Endosulfan Sulfate	.10	U
50-29-3	4,4'-DDT	.10	U
72-43-5	Methoxychlor	.50	U
53494-70-5	Endrin ketone	.10	U
7421-93-4	Endrin aldehyde	.10	U
5103-71-9	alpha-Chlordane	.050	U
5103-74-2	gamma-Chlordane	.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	2.3	
11096-82-5	Aroclor-1260	1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238910

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03363

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	35.	U
76-44-8	Heptachlor	35.	U
309-00-2	Aldrin	35.	U
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	67.	U
72-55-9	4,4'-DDE	67.	U
72-20-8	Endrin	67.	U
33213-65-9	Endosulfan II	67.	U
72-54-8	4,4'-DDD	67.	U
1031-07-8	Endosulfan Sulfate	67.	U
50-29-3	4,4'-DDT	67.	U
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	67.	U
7421-93-4	Endrin aldehyde	67.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	670.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	670.	U
53469-21-9	Aroclor-1242	670.	U
12672-29-6	Aroclor-1248	670.	U
11097-69-1	Aroclor-1254	37000 ~~26000.~~	~~E~~ I D*
11096-82-5	Aroclor-1260	670.	U

D* Value transferred from dilution analysis SS13DL 200x DIF.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238912

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03365

% Moisture: 10. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	73.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	2400 ~~1500.~~	~~E~~ D*
11096-82-5	Aroclor-1260	36.	U

D* Value transferred from diluted analysis SS14 DL 10X D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238914

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03409

% Moisture: 9. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.7	U
319-85-7	beta-BHC	3.7	U
319-86-8	delta-BHC	3.7	U
58-89-9	gamma-BHC (Lindane)	3.7	U
76-44-8	Heptachlor	3.7	U
309-00-2	Aldrin	3.7	U
1024-57-3	Heptachlor epoxide	3.7	U
959-98-8	Endosulfan I	3.7	U
60-57-1	Dieldrin	7.2	U
72-55-9	4,4'-DDE	7.2	U
72-20-8	Endrin	7.2	U
33213-65-9	Endosulfan II	7.2	U
72-54-8	4,4'-DDD	7.2	U
1031-07-8	Endosulfan Sulfate	7.2	U
50-29-3	4,4'-DDT	7.2	U
72-43-5	Methoxychlor	37.	U
53494-70-5	Endrin ketone	7.2	U
7421-93-4	Endrin aldehyde	7.2	U
5103-71-9	alpha-Chlordane	3.7	U
5103-74-2	gamma-Chlordane	3.7	U
8001-35-2	Toxaphene	370.	U
12674-11-2	Aroclor-1016	72.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	72.	U
53469-21-9	Aroclor-1242	72.	U
12672-29-6	Aroclor-1248	72.	U
11097-69-1	Aroclor-1254	12000 ~~5500~~	~~EJ~~ D*
11096-82-5	Aroclor-1260	72.	U

D* Value transferred from dilution analysis SS15 DL 20 x D/F.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238916

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03367

% Moisture: 11. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	38.	U
319-85-7	beta-BHC	38.	U
319-86-8	delta-BHC	38.	U
58-89-9	gamma-BHC (Lindane)	38.	U
76-44-8	Heptachlor	38.	U
309-00-2	Aldrin	38.	U
1024-57-3	Heptachlor epoxide	38.	U
959-98-8	Endosulfan I	38.	U
60-57-1	Dieldrin	73.	U
72-55-9	4,4'-DDE	73.	U
72-20-8	Endrin	73.	U
33213-65-9	Endosulfan II	73.	U
72-54-8	4,4'-DDD	73.	U
1031-07-8	Endosulfan Sulfate	73.	U
50-29-3	4,4'-DDT	73.	U
72-43-5	Methoxychlor	380.	U
53494-70-5	Endrin ketone	73.	U
7421-93-4	Endrin aldehyde	73.	U
5103-71-9	alpha-Chlordane	38.	U
5103-74-2	gamma-Chlordane	38.	U
8001-35-2	Toxaphene	3800.	U
12674-11-2	Aroclor-1016	730.	U
11104-28-2	Aroclor-1221	1500.	U
11141-16-5	Aroclor-1232	730.	U
53469-21-9	Aroclor-1242	730.	U
12672-29-6	Aroclor-1248	730.	U
11097-69-1	Aroclor-1254	30000 ~~23000.~~	D*
11096-82-5	Aroclor-1260	730.	U

D* value transferred from dilution analysis SS16 DL 200 X D/F.

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS17

Lab Name: ICM Contract:

Lab Code: ~~ICM~~ Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238918

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 03376

% Moisture: 10. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	72.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	2700 ~~1700.~~	D*
11096-82-5	Aroclor-1260	36.	U

D* Value transferred from dilution analysis SS17 DL 10X D/F.

FORM I PEST OLM03.0

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SS18

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238920

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03319

% Moisture: 10. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	74.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	36.	U
11096-82-5	Aroclor-1260	36.	U

ID

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SS19

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238922

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03340

% Moisture: 13. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9600.	U
319-85-7	beta-BHC	9600.	U
319-86-8	delta-BHC	9600.	U
58-89-9	gamma-BHC (Lindane)	9600.	U
76-44-8	Heptachlor	9600.	U
309-00-2	Aldrin	9600.	U
1024-57-3	Heptachlor epoxide	9600.	U
959-98-8	Endosulfan I	9600.	U
60-57-1	Dieldrin	19000.	U
72-55-9	4,4'-DDE	19000.	U
72-20-8	Endrin	19000.	U
33213-65-9	Endosulfan II	19000.	U
72-54-8	4,4'-DDD	19000.	U
1031-07-8	Endosulfan Sulfate	19000.	U
50-29-3	4,4'-DDT	19000.	U
72-43-5	Methoxychlor	96000.	U
53494-70-5	Endrin ketone	19000.	U
7421-93-4	Endrin aldehyde	19000.	U
5103-71-9	alpha-Chlordane	9600.	U
5103-74-2	gamma-Chlordane	9600.	U
8001-35-2	Toxaphene	960000.	U
12674-11-2	Aroclor-1016	190000.	U
11104-28-2	Aroclor-1221	380000.	U
11141-16-5	Aroclor-1232	190000.	U
53469-21-9	Aroclor-1242	190000.	U
12672-29-6	Aroclor-1248	190000.	U
11097-69-1	Aroclor-1254	8000000 ~~13000000.~~	D*
11096-82-5	Aroclor-1260	190000.	U

D* Value transferred from dilution analysis SS19DL 50,000 X D/F.

FORM I PEST OLM03.0

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238924

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03341

% Moisture: 8. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

-Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1800.	U
319-85-7	beta-BHC	1800.	U
319-86-8	delta-BHC	1800.	U
58-89-9	gamma-BHC (Lindane)	1800.	U
76-44-8	Heptachlor	1800.	U
309-00-2	Aldrin	1800.	U
1024-57-3	Heptachlor epoxide	1800.	U
959-98-8	Endosulfan I	1800.	U
60-57-1	Dieldrin	3500.	U
72-55-9	4,4'-DDE	3500.	U
72-20-8	Endrin	3500.	U
33213-65-9	Endosulfan II	3500.	U
72-54-8	4,4'-DDD	3500.	U
1031-07-8	Endosulfan Sulfate	3500.	U
50-29-3	4,4'-DDT	3500.	U
72-43-5	Methoxychlor	18000.	U
53494-70-5	Endrin ketone	3500.	U
7421-93-4	Endrin aldehyde	3500.	U
5103-71-9	alpha-Chlordane	1800.	U
5103-74-2	gamma-Chlordane	1800.	U
8001-35-2	Toxaphene	180000.	U
12674-11-2	Aroclor-1016	35000.	U
11104-28-2	Aroclor-1221	71000.	U
11141-16-5	Aroclor-1232	35000.	U
53469-21-9	Aroclor-1242	35000.	U
12672-29-6	Aroclor-1248	35000.	U
11097-69-1	Aroclor-1254	1600000 ~~1100000.~~	D*
11096-82-5	Aroclor-1260	35000.	U

D* Value transferred from dilution analysis SS20DL 10000 D/F.

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238926

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03402

% Moisture: 23. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1000.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2200.	U
319-85-7	beta-BHC	2200.	U
319-86-8	delta-BHC	2200.	U
58-89-9	gamma-BHC (Lindane)	2200.	U
76-44-8	Heptachlor	2200.	U
309-00-2	Aldrin	2200.	U
1024-57-3	Heptachlor epoxide	2200.	U
959-98-8	Endosulfan I	2200.	U
60-57-1	Dieldrin	4300.	U
72-55-9	4,4'-DDE	4300.	U
72-20-8	Endrin	4300.	U
33213-65-9	Endosulfan II	4300.	U
72-54-8	4,4'-DDD	4300.	U
1031-07-8	Endosulfan Sulfate	4300.	U
50-29-3	4,4'-DDT	4300.	U
72-43-5	Methoxychlor	22000.	U
53494-70-5	Endrin ketone	4300.	U
7421-93-4	Endrin aldehyde	4300.	U
5103-71-9	alpha-Chlordane	2200.	U
5103-74-2	gamma-Chlordane	2200.	U
8001-35-2	Toxaphene	220000.	U
12674-11-2	Aroclor-1016	43000.	U
11104-28-2	Aroclor-1221	87000.	U
11141-16-5	Aroclor-1232	43000.	U
53469-21-9	Aroclor-1242	43000.	U
12672-29-6	Aroclor-1248	43000.	U
11097-69-1	Aroclor-1254	~~3400000.~~ 550000	~~J~~ D*
11096-82-5	Aroclor-1260	43000.	U

D* value transferred from dilution analysis SS21 DL 10000 D/F.

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238927

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03403

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these deter.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	18.	U
319-85-7	beta-BHC	18.	U
319-86-8	delta-BHC	18.	U
58-89-9	gamma-BHC (Lindane)	18.	U
76-44-8	Heptachlor	18.	U
309-00-2	Aldrin	18.	U
1024-57-3	Heptachlor epoxide	18.	U
959-98-8	Endosulfan I	18.	U
60-57-1	Dieldrin	34.	U
72-55-9	4,4'-DDE	34.	U
72-20-8	Endrin	34.	U
33213-65-9	Endosulfan II	34.	U
72-54-8	4,4'-DDD	34.	U
1031-07-8	Endosulfan Sulfate	34.	U
50-29-3	4,4'-DDT	34.	U
72-43-5	Methoxychlor	180.	U
53494-70-5	Endrin ketone	34.	U
7421-93-4	Endrin aldehyde	34.	U
5103-71-9	alpha-Chlordane	18.	U
5103-74-2	gamma-Chlordane	18.	U
8001-35-2	Toxaphene	1800.	U
12674-11-2	Aroclor-1016	340.	U
11104-28-2	Aroclor-1221	690.	U
11141-16-5	Aroclor-1232	340.	U
53469-21-9	Aroclor-1242	340.	U
12672-29-6	Aroclor-1248	340.	U
11097-69-1	Aroclor-1254	1000000 ~~32000.~~	~~PJ~~ D*
11096-82-5	Aroclor-1260	340.	U

D* Value transferred from dilution analysis SS22 DL 500 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238932

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03373

% Moisture: 9. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan Sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	18.	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
8001-35-2	Toxaphene	180.	U
12674-11-2	Aroclor-1016	36.	U
11104-28-2	Aroclor-1221	73.	U
11141-16-5	Aroclor-1232	36.	U
53469-21-9	Aroclor-1242	36.	U
12672-29-6	Aroclor-1248	36.	U
11097-69-1	Aroclor-1254	720.	U
11096-82-5	Aroclor-1260	36.	U

ID

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238909

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03362

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q.
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	35.	U
76-44-8	Heptachlor	35.	U
309-00-2	Aldrin	35.	U
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	68.	U
72-55-9	4,4'-DDE	68.	U
72-20-8	Endrin	68.	U
33213-65-9	Endosulfan II	68.	U
72-54-8	4,4'-DDD	68.	U
1031-07-8	Endosulfan Sulfate	68.	U
50-29-3	4,4'-DDT	68.	U
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	68.	U
7421-93-4	Endrin aldehyde	68.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	680.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	680.	U
53469-21-9	Aroclor-1242	680.	U
12672-29-6	Aroclor-1248	680.	U
11097-69-1	Aroclor-1254	29000 ~~20000.~~	D*
11096-82-5	Aroclor-1260	680.	U

D* value transferred from dilution analysis 5B DL 200 x D/F.

FORM I PEST OLM03.0

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 03364

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	17.	U
319-85-7	beta-BHC	17.	U
319-86-8	delta-BHC	17.	U
58-89-9	gamma-BHC (Lindane)	17.	U
76-44-8	Heptachlor	17.	U
309-00-2	Aldrin	17.	U
1024-57-3	Heptachlor epoxide	17.	U
959-98-8	Endosulfan I	17.	U
60-57-1	Dieldrin	33.	U
72-55-9	4,4'-DDE	33.	U
72-20-8	Endrin	33.	U
33213-65-9	Endosulfan II	33.	U
72-54-8	4,4'-DDD	33.	U
1031-07-8	Endosulfan Sulfate	33.	U
50-29-3	4,4'-DDT	33.	U
72-43-5	Methoxychlor	170.	U
53494-70-5	Endrin ketone	33.	U
7421-93-4	Endrin aldehyde	33.	U
5103-71-9	alpha-Chlordane	17.	U
5103-74-2	gamma-Chlordane	17.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	330.	U
11104-28-2	Aroclor-1221	680.	U
11141-16-5	Aroclor-1232	330.	U
53469-21-9	Aroclor-1242	330.	U
12672-29-6	Aroclor-1248	330.	U
11097-69-1	Aroclor-1254	R8000 ~~16000.~~	D*
11096-82-5	Aroclor-1260	330.	U

D* value transferred from dilution analysis S14 DL 100 X D/F.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: RIN2A SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238913

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 03351

% Moisture: 3. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	35.	U
319-85-7	beta-BHC	35.	U
319-86-8	delta-BHC	35.	U
58-89-9	gamma-BHC (Lindane)	35.	U
76-44-8	Heptachlor	35.	U
309-00-2	Aldrin	35.	U
1024-57-3	Heptachlor epoxide	35.	U
959-98-8	Endosulfan I	35.	U
60-57-1	Dieldrin	68.	U
72-55-9	4,4'-DDE	68.	U
72-20-8	Endrin	68.	U
33213-65-9	Endosulfan II	68.	U
72-54-8	4,4'-DDD	68.	U
1031-07-8	Endosulfan Sulfate	68.	U
50-29-3	4,4'-DDT	68.	U
72-43-5	Methoxychlor	350.	U
53494-70-5	Endrin ketone	68.	U
7421-93-4	Endrin aldehyde	68.	U
5103-71-9	alpha-Chlordane	35.	U
5103-74-2	gamma-Chlordane	35.	U
8001-35-2	Toxaphene	3500.	U
12674-11-2	Aroclor-1016	680.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	680.	U
53469-21-9	Aroclor-1242	680.	U
12672-29-6	Aroclor-1248	680.	U
11097-69-1	Aroclor-1254	45000 ~~32000.~~	D*
11096-82-5	Aroclor-1260	680.	U

D* Value transferred from dilution analysis S15DL 200 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238915

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03366

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	8.7	U
58-89-9	gamma-BHC (Lindane)	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I	8.7	U
60-57-1	Dieldrin	17.	U
72-55-9	4,4'-DDE	17.	U
72-20-8	Endrin	17.	U
33213-65-9	Endosulfan II	17.	U
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan Sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	87.	U
53494-70-5	Endrin ketone	17.	U
7421-93-4	Endrin aldehyde	17.	U
5103-71-9	alpha-Chlordane	8.7	U
5103-74-2	gamma-Chlordane	8.7	U
8001-35-2	Toxaphene	870.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	340.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	9000 ~~5300.~~	D*
11096-82-5	Aroclor-1260	170.	U

D* Value transferred from dilution analysis 516DL 50 x D/F.

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S17

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238917

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03401

% Moisture: 8. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

Use these dates.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	37.	U
319-85-7	beta-BHC	37.	U
319-86-8	delta-BHC	37.	U
58-89-9	gamma-BHC (Lindane)	37.	U
76-44-8	Heptachlor	37.	U
309-00-2	Aldrin	37.	U
1024-57-3	Heptachlor epoxide	37.	U
959-98-8	Endosulfan I	37.	U
60-57-1	Dieldrin	71.	U
72-55-9	4,4'-DDE	71.	U
72-20-8	Endrin	71.	U
33213-65-9	Endosulfan II	71.	U
72-54-8	4,4'-DDD	71.	U
1031-07-8	Endosulfan Sulfate	71.	U
50-29-3	4,4'-DDT	71.	U
72-43-5	Methoxychlor	370.	U
53494-70-5	Endrin ketone	71.	U
7421-93-4	Endrin aldehyde	71.	U
5103-71-9	alpha-Chlordane	37.	U
5103-74-2	gamma-Chlordane	37.	U
8001-35-2	Toxaphene	3700.	U
12674-11-2	Aroclor-1016	710.	U
11104-28-2	Aroclor-1221	1400.	U
11141-16-5	Aroclor-1232	710.	U
53469-21-9	Aroclor-1242	710.	U
12672-29-6	Aroclor-1248	710.	U
11097-69-1	Aroclor-1254	32000 ~~24000.~~	D*
11096-82-5	Aroclor-1260	710.	U

D* value transferred from ~~S17 DL~~ dilution analysis S17 DL 200 x D/F.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S18

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238919

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 03408

% Moisture: 10. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

Use these data.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.8	U
319-85-7	beta-BHC	3.8	U
319-86-8	delta-BHC	3.8	U
58-89-9	gamma-BHC (Lindane)	3.8	U
76-44-8	Heptachlor	3.8	U
309-00-2	Aldrin	3.8	U
1024-57-3	Heptachlor epoxide	3.8	U
959-98-8	Endosulfan I	3.8	U
60-57-1	Dieldrin	7.4	U
72-55-9	4,4'-DDE	7.4	U
72-20-8	Endrin	7.4	U
33213-65-9	Endosulfan II	7.4	U
72-54-8	4,4'-DDD	7.4	U
1031-07-8	Endosulfan Sulfate	7.4	U
50-29-3	4,4'-DDT	7.4	U
72-43-5	Methoxychlor	38.	U
53494-70-5	Endrin ketone	7.4	U
7421-93-4	Endrin aldehyde	7.4	U
5103-71-9	alpha-Chlordane	3.8	U
5103-74-2	gamma-Chlordane	3.8	U
8001-35-2	Toxaphene	380.	U
12674-11-2	Aroclor-1016	74.	U
11104-28-2	Aroclor-1221	150.	U
11141-16-5	Aroclor-1232	74.	U
53469-21-9	Aroclor-1242	74.	U
12672-29-6	Aroclor-1248	74.	U
11097-69-1	Aroclor-1254	8500 ~~4500.~~	D*
11096-82-5	Aroclor-1260	74.	U

D* Value transferred from dilution analysis 518DL 20 x DIF.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S19 DL

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238921

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03318

% Moisture: 3. decanted: (Y/N) N Date Received: 06/28/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 2000.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) N

Use these date

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3500.	U
319-85-7	beta-BHC	3500.	U
319-86-8	delta-BHC	3500.	U
58-89-9	gamma-BHC (Lindane)	3500.	U
76-44-8	Heptachlor	3500.	U
309-00-2	Aldrin	3500.	U
1024-57-3	Heptachlor epoxide	3500.	U
959-98-8	Endosulfan I	3500.	U
60-57-1	Dieldrin	6700.	U
72-55-9	4,4'-DDE	6700.	U
72-20-8	Endrin	6700.	U
33213-65-9	Endosulfan II	6700.	U
72-54-8	4,4'-DDD	6700.	U
1031-07-8	Endosulfan Sulfate	6700.	U
50-29-3	4,4'-DDT	6700.	U
72-43-5	Methoxychlor	35000.	U
53494-70-5	Endrin ketone	6700.	U
7421-93-4	Endrin aldehyde	6700.	U
5103-71-9	alpha-Chlordane	3500.	U
5103-74-2	gamma-Chlordane	3500.	U
8001-35-2	Toxaphene	350000.	U
12674-11-2	Aroclor-1016	67000.	U
11104-28-2	Aroclor-1221	140000.	U
11141-16-5	Aroclor-1232	67000.	U
53469-21-9	Aroclor-1242	67000.	U
12672-29-6	Aroclor-1248	67000.	U
11097-69-1	Aroclor-1254	340000.	
11096-82-5	Aroclor-1260	67000.	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S20

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238923

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 03378

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/16/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

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

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC (Lindane)	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17.	U
72-55-9	4,4'-DDE	17.	U
72-20-8	Endrin	17.	U
33213-65-9	Endosulfan II	17.	U
72-54-8	4,4'-DDD	17.	U
1031-07-8	Endosulfan Sulfate	17.	U
50-29-3	4,4'-DDT	17.	U
72-43-5	Methoxychlor	86.	U
53494-70-5	Endrin ketone	17.	U
7421-93-4	Endrin aldehyde	17.	U
5103-71-9	alpha-Chlordane	8.6	U
5103-74-2	gamma-Chlordane	8.6	U
8001-35-2	Toxaphene	860.	U
12674-11-2	Aroclor-1016	170.	U
11104-28-2	Aroclor-1221	340.	U
11141-16-5	Aroclor-1232	170.	U
53469-21-9	Aroclor-1242	170.	U
12672-29-6	Aroclor-1248	170.	U
11097-69-1	Aroclor-1254	11000 ~~6700.~~	D*
11096-82-5	Aroclor-1260	170.	U

D* value transferred from dilution analysis S20DL 50 x D/F.

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S21

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238925

Sample wt/vol: 30.3 (g/mL) G Lab File ID: 03342

% Moisture: 4. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	180000 ~~150000.~~	D*
11096-82-5	Aroclor-1260	3400.	U

D* value transferred from dilution analysis S21 DL 1000 X D|F

FORM I PEST OLM03.0

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S22

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238927

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 03355

% Moisture: 5. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/15/96

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	180.	U
319-85-7	beta-BHC	180.	U
319-86-8	delta-BHC	180.	U
58-89-9	gamma-BHC (Lindane)	180.	U
76-44-8	Heptachlor	180.	U
309-00-2	Aldrin	180.	U
1024-57-3	Heptachlor epoxide	180.	U
959-98-8	Endosulfan I	180.	U
60-57-1	Dieldrin	340.	U
72-55-9	4,4'-DDE	340.	U
72-20-8	Endrin	340.	U
33213-65-9	Endosulfan II	340.	U
72-54-8	4,4'-DDD	340.	U
1031-07-8	Endosulfan Sulfate	340.	U
50-29-3	4,4'-DDT	340.	U
72-43-5	Methoxychlor	1800.	U
53494-70-5	Endrin ketone	340.	U
7421-93-4	Endrin aldehyde	340.	U
5103-71-9	alpha-Chlordane	180.	U
5103-74-2	gamma-Chlordane	180.	U
8001-35-2	Toxaphene	18000.	U
12674-11-2	Aroclor-1016	3400.	U
11104-28-2	Aroclor-1221	6900.	U
11141-16-5	Aroclor-1232	3400.	U
53469-21-9	Aroclor-1242	3400.	U
12672-29-6	Aroclor-1248	3400.	U
11097-69-1	Aroclor-1254	83000.	
11096-82-5	Aroclor-1260	3400.	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S28 ~~1~~ RED 7/25/96

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: RIN2A

Matrix: (soil/water) SOIL Lab Sample ID: 238931

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 03404

% Moisture: 3. decanted: (Y/N) N Date Received: 07/01/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/03/96

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 07/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

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

Use these data

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	17.	U
319-85-7	beta-BHC	17.	U
319-86-8	delta-BHC	17.	U
58-89-9	gamma-BHC (Lindane)	17.	U
76-44-8	Heptachlor	17.	U
309-00-2	Aldrin	17.	U
1024-57-3	Heptachlor epoxide	17.	U
959-98-8	Endosulfan I	17.	U
60-57-1	Dieldrin	34.	U
72-55-9	4,4'-DDE	34.	U
72-20-8	Endrin	34.	U
33213-65-9	Endosulfan II	34.	U
72-54-8	4,4'-DDD	34.	U
1031-07-8	Endosulfan Sulfate	34.	U
50-29-3	4,4'-DDT	34.	U
72-43-5	Methoxychlor	170.	U
53494-70-5	Endrin ketone	34.	U
7421-93-4	Endrin aldehyde	34.	U
5103-71-9	alpha-Chlordane	17.	U
5103-74-2	gamma-Chlordane	17.	U
8001-35-2	Toxaphene	1700.	U
12674-11-2	Aroclor-1016	340.	U
11104-28-2	Aroclor-1221	690.	U
11141-16-5	Aroclor-1232	340.	U
53469-21-9	Aroclor-1242	340.	U
12672-29-6	Aroclor-1248	340.	U
11097-69-1	Aroclor-1254	26000 ~~10000.~~	D*
11096-82-5	Aroclor-1260	340.	U

D* value transferred from dilution analysis S28DL 100 x DF.

FP No.: 1416

O No.: 75625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6	
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703 Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL *	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER * 3.1PCL
S-13	06/29/96 0835	5	L/M	G	6				X	X		238909				Cd Cr Ag Hg Pb
SS-13	06/29/96 0915	5	L/M	G	6				X	X		238910				Cd Cr Ag Hg Pb
S-14	06/29/96 0835	5	L/M	G	6				X	X		238911				Cd Cr Ag Hg Pb
SS-14	06/29/96 0855	5	L/M	G	6				X	X		238912				Cd Cr Ag Hg Pb
S-15	06/29/96 0935	5	L/M	G	6				X	X		238913				Cd Cr Ag Hg Pb hs/MS/D
SS-15	06/29/96 1000	5	L/M	G	6				X	X		238914				Cd Cr Ag Hg Pb hs/MS/D
S-16	06/29/96 0855	5	L/M	G	6				X	X		238915				Cd Cr Ag Hg Pb
SS-16	06/29/96 0915	5	L/M	G	6				X	X		238916				Cd Cr Ag Hg Pb
S-17	06/29/96 1400	5	L/M	G	6				X	X		238917				Cd Cr Ag Hg Pb
SS-17	06/29/96 1420	5	L/M	G	6				X	X		238918				Cd Cr Ag Hg Pb
S-18	06/29/96 1355	5	L/M	G	6				X	X		238919				Cd Cr Ag Hg Pb
SS-18	06/29/96 1415	5	L/M	G	6				X	X		238920				Cd Cr Ag Hg Pb
S-19	06/29/96 1145	5	L/M	G	6				X	X		238921				Cd Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christoph Stannik — Time: 1545 — Date (MM/DD/YY): 6/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Christoph Stannik	1005	7/1/96	Denise G. Keller	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

TT No.: 1416

O No.: 55565

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: WESTON MANAGERS DESIGNERS/CONSULTANTS Suite 201
1090 King Georges Post Road, Edison, New Jersey 08837-3703
Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	TPH	OTHER *
SS-19	06/29/96 1210	5	L/M	G	6				X	X		238922				Cd Cr Ag Hg Pb
S-20	06/29/96 1445	5	L/M	G	6				X	X		238923				Cd Cr Ag Hg Pb
SS-20	06/29/96 1500	5	L/M	G	6				X	X		238924				Cd Cr Ag Hg Pb
S-21	06/29/96 1035	5	L/M	G	6				X	X		238925				Cd Cr Ag Hg Pb
SS-21	06/29/96 1100	5	L/M	G	6				X	X		238926				Cd Cr Ag Hg Pb
S-22	06/29/96 1045	5	L/M	G	6				X	X		238927				Cd Cr Ag Hg Pb
SS-22	06/29/96 1140	5	L/M	G	6				X	X		238928				Cd Cr Ag Hg Pb
CDE-RIN2	06/29/96 1235	4	L	C	6 2					X		238929				Cd Cr Ag Hg Pb
CDE-RIN2	06/29/96 1240	4	L	C	6				X			238930				TCL PCBs
S-28	06/29/96 1400	5	L/M	G	6				X	X		238931				Cd Cr Ag Hg Pb
SS-28	06/29/96 1420	5	L/M	G	6				X	X		238932				Cd Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christoph Stannik — Time: 1545 — Date (MM/DD/YY): 06/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Christoph Stannik	1005	7/1/96	Denise G. Keller	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
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TECTONIC ENGINEERING CONSULTANTS P.C.

☒ P.O. Box 447, 600 Rte. 32, Highland Mills, N.Y. 10930
Phone: (914) 928-6531 Fax: (914) 928-9211

☐ 24 Computer Drive West, Albany, N.Y. 12205
Phone: (518) 482-0737 Fax: (518) 482-4805

☐ 714B Southbridge St., Auburn, MA 01501
Phone: (508) 832-7146 Fax: (508) 832-0775

LETTER OF TRANSMITTAL

DATE	JOB NO.
7-30-96	1781.03

ATTENTION: Kim Norton

RE:

TO ICM Labs Inc.

1152 Route 10

Randolph New Jersey 07869

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

Enclosed please find Grain Size Analysis for the above referenced job.

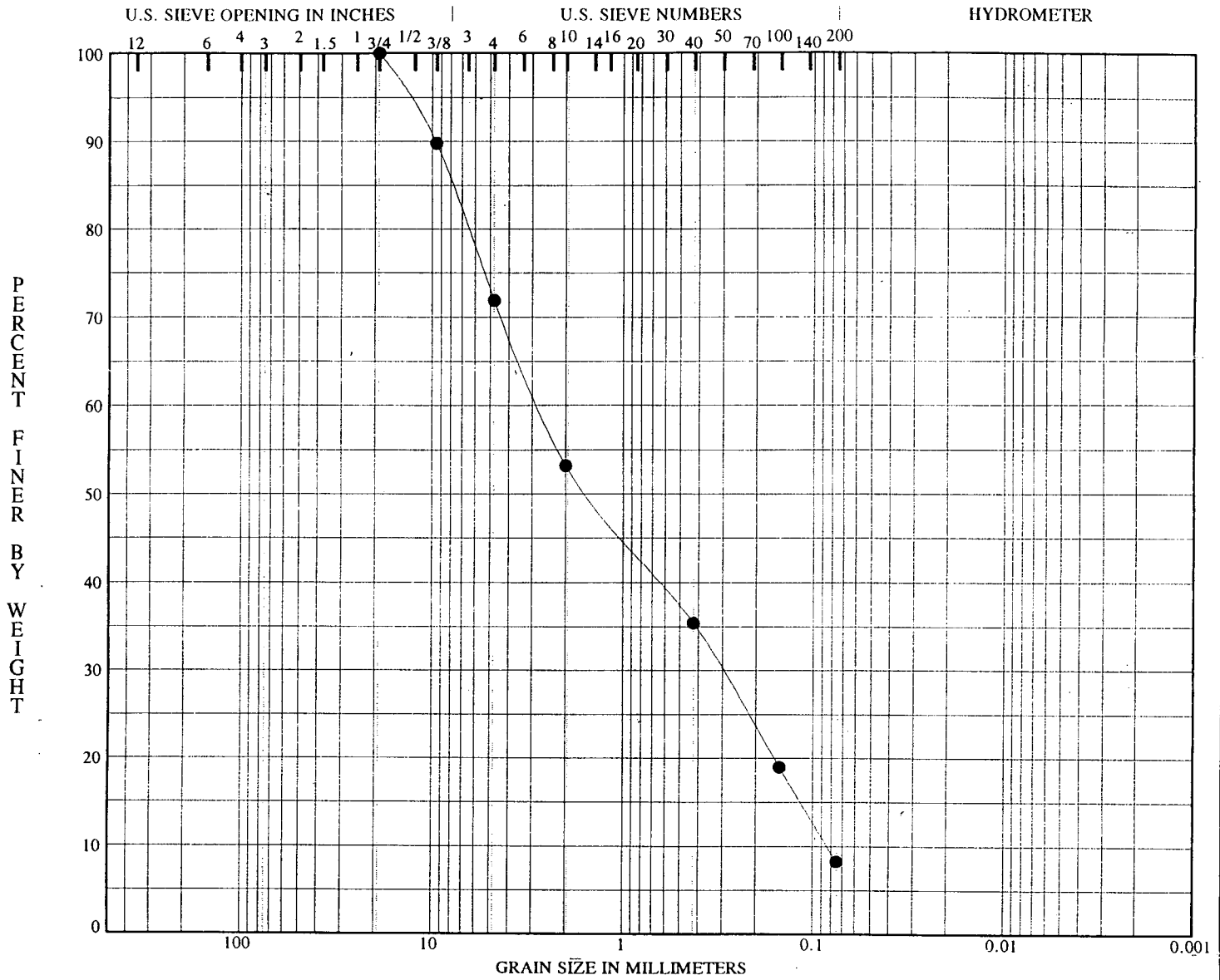
COPY TO File

SIGNED: Bill FEtter/rl

If enclosures are not as noted, kindly notify us at once.

TECTONIC ENGINEERING CONSULTANTS P.C.	PROJECT No. 1780.03 PROJECT: ICM Labs, INC. LOCATION: Randolf N.J.	GRAIN SIZE ANALYSIS SOURCE: WA 2513

ASTM D 422-63



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification			Classification	MC%	LL	PL	PI	Cc	Cu
●	238563	SED 4	Blk Organic c-f SAND, some f Gravel, trace Silt	56				0.40	32.7

Specimen Identification			D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	238563	SED 4	19.00	2.74	0.302	0.0837	28.1	63.6	8.3	

TECTONIC *ENGINEERING CONSULTANTS P.C.*

☐ P.O. Box 447, 600 Rte. 32, Highland Mills, N.Y. 10930
Phone: (914) 928-6531 Fax: (914) 928-9211

☐ 24 Computer Drive West, Albany, N.Y. 12205
Phone: (518) 482-0737 Fax: (518) 482-4805

☐ 714B Southbridge St., Auburn, MA 01501
Phone: (508) 832-7146 Fax: (508) 832-0775

LETTER OF TRANSMITTAL

DATE August 6	JOB NO. 1781.03
ATTENTION	
RE:	

TO ICM Labs Inc
1152 Route 10
Randolph, New Jersey 07869

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Enclosed Chain of Custody as Requested

COPY TO File

SIGNED: Bree Feller / UL

If enclosures are not as noted, kindly notify us at once.

ICM LABS

CLIENT: ICM LABS, INC.
ADDRESS: 1152 Route 10
Randolph, NJ 07869
PHONE: 201 584-0330
PROJECT: WA 2513
PROJ. MGR.: Kim Norton

BILL TO: same
SEND REPORT TO:
IN CASE OF QUESTIONS UPON SAMPLE RECEIPT CALL:
PHONE:

DELIVERABLES:
- [ ] REDUCED DELIVERABLES NON-CLP FORMAT
- [ ] REDUCED DEL. CLP FORMAT
- [ ] REGULATORY FORMAT
- [ ] FULL DEL. CLP FORMAT
- [ ] NPDES
- [ ] STATE FORMS REQUIRED

TURNAROUND TIME
FAX (PRELIMINARIES) (If required)
HARDCOPY
COOLER TEMP

| LABORATORY ID CODE | SAMPLE IDENTIFICATION | SAMPLE DATE | SAMPLE TIME | COMPOSITE | GRAB | SOIL | LIQUID | SLUDGE | OTHER | # OF BOTTLES | Grain size | | |