N00204.AR.002373
NAS PENSACOLA
5090.3a

FINAL REMEDIAL INVESTIGATION REPORT VOLUME II OF III SITE 40 NAS PENSACOLA FL
1/20/1999
ENSAFE/ALLEN AND HOSHALL

FINAL REMEDIAL INVESTIGATION REPORT
SITE 40
NAVAL AIR STATION
PENSACOLA, FLORIDA

SOUTHNAVFACENGCOM
CONTRACT NUMBER:
N62467-89-D-0318
CTO – 0036

Volume II of III
Appendices A-H

Prepared for:

Comprehensive Long-Term Environmental Action Navy
Naval Air Station Pensacola, Florida

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Appendix A

Phase I Analytical Data

PENSACOLA, SITE 40
PHASE I

TOC							
	SAMPLE ID ------->	040-M-0001-01	040-M-0002-01	040-M-0003-01	040-M-0004-01	040-M-0005-01	040-M-0006-01
	ORIGINAL ID ----->	040M000101	040M000201	040M000301	040M000401	040M000501	040M000601
	LAB SAMPLE ID --->	M500890*1	M500890*2	M500890*3	M500890*4	M500890*5	M500890*6
	ID FROM REPORT -->	040M000101	040M000201	040M000301	040M000401	040M000501	040M000601
	SAMPLE DATE ----->	02/10/94	02/10/94	02/10/94	02/10/94	02/10/94	02/10/94
	DATE EXTRACTED -->	02/13/95	02/13/95	02/13/95	02/13/95	02/13/95	02/13/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CAS #	Parameter	EAH030	EAH030	EAH030	EAH030	EAH030	EAH030
9999900-01-4	Total Organic Carbon (TOC)	2000.	3500.	2900.	450.	2500.	50. U

PENSACOLA, SITE 40
PHASE I

TOC							
	SAMPLE ID ------->	040-M-0007-01	040-M-0008-01	040-M-0009-01	040-M-0011-01	040-M-0012-01	040-M-0013-01
	ORIGINAL ID ----->	040M000701	040M000801	040M000901	040M001101	040M001201	040M001301
	LAB SAMPLE ID --->	M500890*7	M500890*8	M500890*9	M500893*1	M500893*2	M500893*3
	ID FROM REPORT -->	040M000701	040M000801	040M000901	040M001101	040M001201	040M001301
	SAMPLE DATE ----->	02/10/94	02/10/94	02/10/94	02/08/95	02/08/95	02/08/95
	DATE EXTRACTED -->	02/13/95	02/13/95	02/13/95	02/13/95	02/13/95	02/13/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CAS #	Parameter	EAH030	EAH030	EAH030	EAH030	EAH030	EAH030
9999900-01-4	Total Organic Carbon (TOC)	3700.	920.	130.	500.	320.	640.

TOC							
	SAMPLE ID ------->	040-M-0014-01	040-M-0015-01	040-M-0016-01	040-M-0017-01	041-M-0010-01	
	ORIGINAL ID ----->	040M001401	040M001501	040M001601	040M001701	040M001001	
	LAB SAMPLE ID --->	M500893*4	M500893*5	M500893*6	M500893*7	M500890*10	
	ID FROM REPORT -->	040M001401	040M001501	040M001601	040M001701	040M001001	
	SAMPLE DATE ----->	02/08/95	02/08/95	02/08/95	02/08/95	02/10/94	
	DATE EXTRACTED -->	02/13/95	02/13/95	02/13/95	02/13/95	02/13/95	
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	
	UNITS ---------->	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
CAS #	Parameter	EAH030	EAH030	EAH030	EAH030	EAH030	
9999900-01-4	Total Organic Carbon (TOC)	5400.	730.	4400.	680.	2700.	

Appendix B

Phase IIA Analytical Data

Phase IIA Sample Identification Format

The samples were identified in accordance with the following format:

Format: *1 2 3 4 5 6 7 8 9 0*

Field Samples:

1 2 3 – The first three digits are for the site where the sample was collected. For the Bayou Grande investigation, these three digits are 040.

4 – This digit will represent the matrix of the sample. Phase IIA sampling focused exclusively on sediment. Sediment is designated by an "M" in the fourth digit.

5 6 7 8 – These four digits designate the sampling location. For samples collected during Phase IIA, digits 5 and 6 identify the assessment zone and digits 7 and 8 identify the sample location. For example, a sample collected in Assessment Zone 1 at location 20 would be identified as Z120.

9 0 – The final two digits represent the sample-specific identification. All Phase IIA samples were collected from 0 to 6 inches depth, therefore these digits are 01 for the depth to the nearest foot.

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID	SAMPLE ID ------->	040-M-Z101-01	040-M-Z102-01	040-M-Z103-01	040-M-Z104-01	040-M-Z105-01	040-M-Z106-01
	ORIGINAL ID ----->	040MZ10101	040MZ10201	040MZ10301	040MZ10401	040MZ10501	040MZ10601
	LAB SAMPLE ID --->	960084-16	960084-17	960084-18	960084-04	960084-05	960084-06
	ID FROM REPORT -->	040MZ10101	040MZ10201	040MZ10301	040MZ10401	040MZ10501	040MZ10601
	SAMPLE DATE ----->	02/05/96	02/05/96	02/05/96	02/01/96	02/01/96	02/01/96
	DATE EXTRACTED -->	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96
	DATE ANALYZED --->	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020
9999000-58-8	SOLIDS	76.1	79.4	82.	63.7	31.2	25.7

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID	SAMPLE ID ------->	040-M-Z107-01	040-M-Z108-01	040-M-Z109-01	040-M-Z110-01	040-M-Z111-01	040-M-Z112-01
	ORIGINAL ID ----->	040MZ10701	040MZ10801	040MZ10901	040MZ11001	040MZ11101	040MZ11201
	LAB SAMPLE ID --->	960084-07	960084-08	960084-09	960084-10	960084-11	960084-12
	ID FROM REPORT -->	040MZ10701	040MZ10801	040MZ10901	040MZ11001	040MZ11101	040MZ11201
	SAMPLE DATE ----->	02/01/96	02/01/96	02/01/96	02/01/96	02/01/96	02/01/96
	DATE EXTRACTED -->	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96	03/04/96
	DATE ANALYZED --->	02/28/96	02/28/96	02/28/96	02/28/96	02/28/96	03/05/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020
9999000-58-8	SOLIDS	22.9	70.9	24.	77.6	71.2	18.5

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID							
	SAMPLE ID ------->	040-M-Z113-01	040-M-Z114-01	040-M-Z115-01	040-M-Z116-01	040-M-Z117-01	040-M-Z118-01
	ORIGINAL ID ----->	040MZ11301	040MZ11401	040MZ11501	040MZ11601	040MZ11701	040MZ11801
	LAB SAMPLE ID --->	960084-13	960065-12	960065-13	960065-14	960065-15	960065-16
	ID FROM REPORT -->	040MZ11301	040MZ11401	040MZ11501	040MZ11601	040MZ11701	040MZ11801
	SAMPLE DATE ----->	02/01/96	01/26/96	01/26/96	01/26/96	01/26/96	01/26/96
	DATE EXTRACTED -->	02/28/96	02/15/96	02/15/96	02/15/96	02/15/96	02/15/96
	DATE ANALYZED --->	02/28/96	02/18/96	02/18/96	02/18/96	02/18/96	02/18/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ6020	EM0100	EM0100	EM0100	EM0100	EM0100
9999000-58-8	SOLIDS	61.5	20.	17.1	23.3	71.4	72.3

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID							
	SAMPLE ID ------->	040-M-Z119-01	040-M-Z120-01	040-M-Z121-01	040-M-Z122-01	040-M-Z123-01	040-M-Z124-01
	ORIGINAL ID ----->	040MZ11901	040MZ12001	040MZ12101	040MZ12201	040MZ12301	040MZ12401
	LAB SAMPLE ID --->	960065-17	960065-18	960065-19	960065-03	960065-04	960065-05
	ID FROM REPORT -->	040MZ11901	040MZ12001	040MZ12101	040MZ12201	040MZ12301	040MZ12401
	SAMPLE DATE ----->	01/26/96	01/26/96	01/26/96	01/25/96	01/25/96	01/25/96
	DATE EXTRACTED -->	02/15/96	02/15/96	02/15/96	02/15/96	02/15/96	02/15/96
	DATE ANALYZED --->	02/18/96	02/18/96	02/18/96	02/18/96	02/18/96	02/18/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	EM0100	EM0100	EM0100	EM0100	EM0100	EM0100
9999000-58-8	SOLIDS	18.5	23.5	75.5	16.2	74.6	71.5

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID	SAMPLE ID ------->	040-M-Z125-01	040-M-Z126-01	040-M-Z127-01	040-M-Z128-01	040-M-Z129-01	040-M-Z130-01
	ORIGINAL ID ----->	040MZ12501	040MZ12601	040MZ12701	040MZ12801	040MZ12901	040MZ13001
	LAB SAMPLE ID --->	960065-06	960065-07	960065-08	960065-09	960065-10	960040-12
	ID FROM REPORT -->	040MZ12501	040MZ12601	040MZ12701	040MZ12801	040MZ12901	040MZ13001
	SAMPLE DATE ----->	01/25/96	01/25/96	01/25/96	01/25/96	01/25/96	01/24/96
	DATE EXTRACTED -->	02/15/96	02/15/96	02/15/96	02/15/96	02/15/96	02/06/96
	DATE ANALYZED --->	02/18/96	02/18/96	02/18/96	02/18/96	02/18/96	02/07/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	EM0100	EM0100	EM0100	EM0100	EM0100	Z25001
9999000-58-8	SOLIDS	73.2	71.5	74.	80.9	17.3	20.3

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID	SAMPLE ID ------->	040-M-Z131-01	040-M-Z132-01	040-M-Z133-01	040-M-Z134-01	040-M-Z135-01	040-M-Z136-01
	ORIGINAL ID ----->	040MZ13101	040MZ13201	040MZ13301	040MZ13401	040MZ13501	040MZ13601
	LAB SAMPLE ID --->	960040-13	960040-14	960040-15	960084-19	960040-16	960040-17
	ID FROM REPORT -->	040MZ13101	040MZ13201	040MZ13301	040MZ13401	040MZ13501	040MZ13601
	SAMPLE DATE ----->	01/24/96	01/24/96	01/24/96	02/05/96	01/24/96	01/24/96
	DATE EXTRACTED -->	02/06/96	02/06/96	02/06/96	02/28/96	02/06/96	02/06/96
	DATE ANALYZED --->	02/07/96	02/07/96	02/07/96	02/28/96	02/07/96	02/07/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z25001	Z25001	Z25001	MZ6020	Z25001	Z25001
9999000-58-8	SOLIDS	81.1	82.9	79.1	80.	82.6	14.3

% SOLID	SAMPLE ID ------->	040-M-Z137-01	040-M-Z138-01	040-M-Z201-01	040-M-Z202-01	040-M-Z203-01	040-M-Z204-01
	ORIGINAL ID ----->	040MZ13701	040MZ13801	040MZ20101	040MZ20201	040MZ20301	040MZ20401
	LAB SAMPLE ID --->	960040-18	960040-19	960010-17	960010-18	960010-19	960010-20
	ID FROM REPORT -->	040MZ13701	040MZ13801	040MZ20101	040MZ20201	040MZ20301	040MZ20401
	SAMPLE DATE ----->	01/24/96	01/24/96	01/12/96	01/12/96	01/12/96	01/12/96
	DATE EXTRACTED -->	02/06/96	02/06/96	01/31/96	01/31/96	01/31/96	01/31/96
	DATE ANALYZED --->	02/07/96	02/07/96	02/04/96	02/04/96	02/04/96	02/04/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z25001	Z25001	Z50801	Z50801	Z50801	Z50801
9999000-58-8	SOLIDS	15.8	80.9	79.2	81.1	77.1	79.6

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID							
	SAMPLE ID ------->	040-M-Z205-01	040-M-Z206-01	040-M-Z207-01	040-M-Z208-01	040-M-Z209-01	040-M-Z210-01
	ORIGINAL ID ----->	040MZ20501	040MZ20601	040MZ20701	040MZ20801	040MZ20901	040MZ51001
	LAB SAMPLE ID --->	960084-20	960015-01	960015-02	960005-12	960005-11	960015-03
	ID FROM REPORT -->	040MZ20501	040MZ20601	040MZ20701	040MZ20801	040MZ20901	040MZ51001
	SAMPLE DATE ----->	02/05/96	01/12/96	01/12/96	01/05/96	01/05/96	01/12/96
	DATE EXTRACTED -->	02/28/96	01/31/96	01/31/96	01/31/96	01/31/96	01/31/96
	DATE ANALYZED --->	02/28/96	02/04/96	02/04/96	02/04/96	02/04/96	02/04/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ6020	Z20601	Z20601	Z22401	Z22401	Z20601
9999000-58-8	SOLIDS	18.1	17.4	75.6	74.9	80.	78.5

% SOLID	SAMPLE ID ------->	040-M-Z211-01	040-M-Z212-01	040-M-Z213-01	040-M-Z214-01	040-M-Z215-01	040-M-Z216-01
	ORIGINAL ID ----->	040MZ21101	040MZ51201	040MZ21301	040MZ21401	040MZ21501	040MZ21601
	LAB SAMPLE ID --->	960093-01	960015-04	960010-11	960010-12	960010-13	960005-06
	ID FROM REPORT -->	040MZ21101	040MZ51201	040MZ21301	040MZ21401	040MZ21501	040MZ21601
	SAMPLE DATE ----->	02/05/96	01/12/96	01/11/96	01/11/96	01/11/96	01/04/96
	DATE EXTRACTED -->	03/02/96	01/31/96	01/31/96	01/31/96	01/31/96	01/31/96
	DATE ANALYZED --->	03/03/96	02/04/96	02/04/96	02/04/96	02/04/96	02/04/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ1010	Z20601	Z50801	Z50801	Z50801	Z22401
9999000-58-8	SOLIDS	79.5	76.3	77.3	22.5	27.1	64.7

% SOLID							
	SAMPLE ID ------->	040-M-Z217-01	040-M-Z218-01	040-M-Z219-01	040-M-Z220-01	040-M-Z221-01	040-M-Z222-01
	ORIGINAL ID ----->	040MZ21701	040MZ21801	040MZ21901	040MZ22001	040MZ22101	040MZ22201
	LAB SAMPLE ID --->	960005-05	960005-04	960005-03	960010-14	960093-02	960010-15
	ID FROM REPORT -->	040MZ21701	040MZ21801	040MZ21901	040MZ22001	040MZ22101	040MZ22201
	SAMPLE DATE ----->	01/04/96	01/04/96	01/04/96	01/11/96	02/05/96	01/11/96
	DATE EXTRACTED -->	01/31/96	01/31/96	01/31/96	01/31/96	03/02/96	01/31/96
	DATE ANALYZED --->	02/04/96	02/04/96	02/04/96	02/04/96	03/03/96	02/04/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z22401	Z22401	Z22401	Z50801	MZ1010	Z50801
9999000-58-8	SOLIDS	66.4	52.9	18.6	67.5	71.2	44.7

% SOLID	SAMPLE ID ------->	040-M-Z223-01	040-M-Z224-01	040-M-Z225-01	040-M-Z226-01	040-M-Z227-01	040-M-Z228-01
	ORIGINAL ID ----->	040MZ22301	040MZ22401	040MZ22501	040MZ22601	040MZ22701	040MZ22801
	LAB SAMPLE ID --->	960005-02	960005-01	960002-08	960002-09	960002-10	960002-11
	ID FROM REPORT -->	040MZ22301	040MZ22401	040MZ22501	040MZ22601	040MZ22701	040MZ22801
	SAMPLE DATE ----->	01/04/96	01/04/96	01/03/96	01/03/96	01/03/96	01/03/96
	DATE EXTRACTED -->	01/31/96	01/31/96	01/27/96	01/27/96	01/27/96	01/27/96
	DATE ANALYZED --->	02/04/96	02/04/96	01/29/96	01/29/96	01/29/96	01/29/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z22401	Z22401	MZ2340	MZ2340	MZ2340	MZ2340
9999000-58-8	SOLIDS	21.9	23.	55.7	16.1	72.8	20.9

% SOLID	SAMPLE ID ------->	040-M-Z229-01	040-M-Z230-01	040-M-Z231-01	040-M-Z232-01	040-M-Z233-01	040-M-Z234-01
	ORIGINAL ID ----->	040MZ22901	040MZ23001	040MZ23101	040MZ23201	040MZ23301	040MZ23401
	LAB SAMPLE ID --->	960093-03	960002-12	960002-13	960002-14	960002-15	960002-01
	ID FROM REPORT -->	040MZ22901	040MZ23001	040MZ23101	040MZ23201	040MZ23301	040MZ23401
	SAMPLE DATE ----->	02/05/96	01/03/96	01/03/96	01/03/96	01/03/96	01/02/96
	DATE EXTRACTED -->	03/02/96	01/27/96	01/27/96	01/27/96	01/27/96	01/27/96
	DATE ANALYZED --->	03/03/96	01/29/96	01/29/96	01/29/96	01/29/96	01/29/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ1010	MZ2340	MZ2340	MZ2340	MZ2340	MZ2340
9999000-58-8	SOLIDS	80.1	68.8	25.7	69.1	18.5	72.4

% SOLID							
	SAMPLE ID ------->	040-M-Z235-01	040-M-Z236-01	040-M-Z237-01	040-M-Z238-01	040-M-Z239-01	040-M-Z240-01
	ORIGINAL ID ----->	040MZ23501	040MZ23601	040MZ23701	040MZ23801	040MZ23901	040MZ24001
	LAB SAMPLE ID --->	960002-02	960002-03	960093-04	960002-04	960002-05	960002-06
	ID FROM REPORT -->	040MZ23501	040MZ23601	040MZ23701	040MZ23801	040MZ23901	040MZ24001
	SAMPLE DATE ----->	01/02/96	01/02/96	02/05/96	01/02/96	01/02/96	01/02/96
	DATE EXTRACTED -->	01/27/96	01/27/96	03/02/96	01/27/96	01/27/96	01/27/96
	DATE ANALYZED --->	01/29/96	01/29/96	03/03/96	01/29/96	01/29/96	01/29/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	MZ2340	MZ2340	MZ1010	MZ2340	MZ2340	MZ2340
9999000-58-8	SOLIDS	68.2	60.5	79.6	78.7	71.3	72.9

% SOLID	SAMPLE ID ------->	040-M-Z241-01	040-M-Z242-01	040-M-Z243-01	040-M-Z244-01	040-M-Z245-01	040-M-Z246-01
	ORIGINAL ID ----->	040MZ24101	040MZ24201	040MZ24301	040MZ24401	040MZ24501	040MZ24601
	LAB SAMPLE ID --->	951050-09	951050-10	960093-05	951050-11	951050-12	951050-13
	ID FROM REPORT -->	040MZ24101	040MZ24201	040MZ24301	040MZ24401	040MZ24501	040MZ24601
	SAMPLE DATE ----->	12/14/95	12/14/95	02/05/96	12/14/95	12/14/95	12/14/95
	DATE EXTRACTED -->	01/21/96	01/24/96	03/02/96	01/21/96	01/21/96	01/24/96
	DATE ANALYZED --->	01/23/96	01/25/95	03/03/96	01/23/96	01/23/96	01/25/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	EMD060	EMD060	MZ1010	EMD060	EMD060	EMD060
9999000-58-8	SOLIDS	77.5	78.8	78.3	15.3	21.	79.2

% SOLID							
	SAMPLE ID ------->	040-M-Z247-01	040-M-Z248-01	040-M-Z249-01	040-M-Z250-01	040-M-Z251-01	040-M-Z252-01
	ORIGINAL ID ----->	040MZ24701	040MZ24801	040MZ24901	040MZ25001	040MZ25101	040MZ25201
	LAB SAMPLE ID --->	951050-14	951050-15	951050-16	960040-01	960093-06	960040-02
	ID FROM REPORT -->	040MZ24701	040MZ24801	040MZ24901	040MZ25001	040MZ25101	040MZ25201
	SAMPLE DATE ----->	12/14/95	12/14/95	12/14/95	01/17/96	02/05/96	01/17/96
	DATE EXTRACTED -->	01/21/96	01/24/96	01/24/96	02/06/96	03/02/96	02/06/96
	DATE ANALYZED --->	01/23/96	01/25/95	01/25/95	02/07/96	03/03/96	02/07/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	EMD060	EMD060	EMD060	Z25001	MZ1010	Z25001
9999000-58-8	SOLIDS	18.2	78.3	78.4	78.	77.6	81.

% SOLID							
	SAMPLE ID ------->	040-M-Z253-01	040-M-Z254-01	040-M-Z255-01	040-M-Z256-01	040-M-Z257-01	040-M-Z301-01
	ORIGINAL ID ----->	040MZ25301	040MZ25401	040MZ25501	040MZ25601	040MZ25701	040MZ30101
	LAB SAMPLE ID --->	960040-03	960040-04	960040-05	960040-06	960040-07	950991-01
	ID FROM REPORT -->	040MZ25301	040MZ25401	040MZ25501	040MZ25601	040MZ25701	040MZ30101
	SAMPLE DATE ----->	01/17/96	01/17/96	01/17/96	01/17/96	01/17/96	11/29/95
	DATE EXTRACTED -->	02/06/96	02/06/96	02/06/96	02/06/96	02/06/96	01/10/96
	DATE ANALYZED --->	02/07/96	02/07/96	02/07/96	02/07/96	02/07/96	01/11/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z25001	Z25001	Z25001	Z25001	Z25001	Z30301
9999000-58-8	SOLIDS	80.3	80.	78.7	80.6	80.9	76.9

% SOLID	SAMPLE ID ------->	040-M-Z302-01	040-M-Z303-01	040-M-Z304-01	040-M-Z305-01	040-M-Z306-01	040-M-Z307-01
	ORIGINAL ID ----->	040MZ30201	040MZ30301	040MZ30401	040MZ30501	040MZ30601	040MZ30701
	LAB SAMPLE ID --->	950991-02	950991-03	950998-03	960093-08	950998-04	950991-04
	ID FROM REPORT -->	040MZ30201	040MZ30301	040MZ30401	040MZ30501	040MZ30601	040MZ30701
	SAMPLE DATE ----->	11/29/95	11/29/95	11/30/95	02/06/96	12/01/95	11/29/95
	DATE EXTRACTED -->	01/10/96	01/10/96	01/13/96	03/02/96	01/13/96	01/10/96
	DATE ANALYZED --->	01/11/96	01/11/96	01/14/96	03/03/96	01/14/96	01/11/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z30301	Z30301	EM0040	MZ1010	EM0040	Z30301
9999000-58-8	SOLIDS	26.2	78.5	69.1	81.7	73.5	43.5

% SOLID							
	SAMPLE ID ------->	040-M-Z308-01	040-M-Z309-01	040-M-Z310-01	040-M-Z311-01	040-M-Z312-01	040-M-Z313-01
	ORIGINAL ID ----->	040MZ30801	040MZ30901	040MZ31001	040MZ31101	040MZ31201	040MZ31301
	LAB SAMPLE ID --->	950998-05	950991-05	951005-01	950991-06	951005-02	950979-08
	ID FROM REPORT -->	040MZ30801	040MZ30901	040MZ31001	040MZ31101	040MZ31201	040MZ31301
	SAMPLE DATE ----->	12/01/95	11/29/95	12/01/95	11/29/95	12/01/95	11/27/95
	DATE EXTRACTED -->	01/13/96	01/10/96	01/16/96	01/10/96	01/16/96	01/04/96
	DATE ANALYZED --->	01/14/96	01/11/96	01/17/96	01/11/96	01/17/96	01/05/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	EM0040	Z30301	Z31001	Z30301	Z31001	041M10
9999000-58-8	SOLIDS	74.5	78.4	64.	76.3	77.1	77.9

% SOLID	SAMPLE ID ------->	040-M-Z314-01	040-M-Z315-01	040-M-Z316-01	040-M-Z317-01	040-M-Z318-01	040-M-Z319-01
	ORIGINAL ID ----->	040MZ31401	040MZ31501	040MZ31601	040MZ31701	040MZ31801	040MZ31901
	LAB SAMPLE ID --->	950998-06	950979-09	960040-09	950998-07	951005-03	950979-10
	ID FROM REPORT -->	040MZ31401	040MZ31501	040MZ31601	040MZ31701	040MZ31801	040MZ31901
	SAMPLE DATE ----->	12/01/95	11/27/95	01/23/96	12/01/95	12/01/95	11/27/95
	DATE EXTRACTED -->	01/13/96	01/04/96	02/06/96	01/13/96	01/16/96	01/04/96
	DATE ANALYZED --->	01/14/96	01/05/96	02/07/96	01/14/96	01/17/96	01/05/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	EM0040	041M10	Z25001	EM0040	Z31001	041M10
9999000-58-8	SOLIDS	78.9	79.3	76.6	80.6	73.2	15.3

% SOLID	SAMPLE ID ------->	040-M-Z320-01	040-M-Z321-01	040-M-Z322-01	040-M-Z323-01	040-M-Z324-01	040-M-Z401-01
	ORIGINAL ID ----->	040MZ32001	040MZ32101	040MZ32201	040MZ32301	040MZ32401	040MZ40101
	LAB SAMPLE ID --->	950979-11	950979-12	950979-13	950979-14	950979-15	950922-20
	ID FROM REPORT -->	040MZ32001	040MZ32101	040MZ32201	040MZ32301	040MZ32401	040MZ40101
	SAMPLE DATE ----->	11/27/95	11/27/95	11/27/95	11/27/95	11/27/95	11/10/95
	DATE EXTRACTED -->	01/04/96	01/04/96	01/04/96	01/04/96	01/04/96	12/05/95
	DATE ANALYZED --->	01/05/96	01/05/96	01/05/96	01/05/96	01/05/96	12/05/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	041M10	041M10	041M10	041M10	041M10	Z61101
9999000-58-8	SOLIDS	68.8	74.9	77.2	24.4	76.2	15.2

% SOLID							
	SAMPLE ID ------->	040-M-Z402-01	040-M-Z403-01	040-M-Z404-01	040-M-Z405-01	040-M-Z406-01	040-M-Z407-01
	ORIGINAL ID ----->	040MZ40201	040MZ40301	040MZ40401	040MZ40501	040MZ40601	040MZ40701
	LAB SAMPLE ID --->	950922-21	951005-04	950922-22	960040-10	951005-05	950922-23
	ID FROM REPORT -->	040MZ40201	040MZ40301	040MZ40401	040MZ40501	040MZ40601	040MZ40701
	SAMPLE DATE ----->	11/10/95	12/01/95	11/10/95	01/23/96	12/01/95	11/10/95
	DATE EXTRACTED -->	12/05/95	01/16/96	12/05/95	02/06/96	01/16/96	12/05/95
	DATE ANALYZED --->	12/05/95	01/17/96	12/05/95	02/07/96	01/17/96	12/05/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z61101	Z31001	Z61101	Z25001	Z31001	Z61101
9999000-58-8	SOLIDS	76.	73.6	22.4	46.2	79.4	67.8

% SOLID	SAMPLE ID ------->	040-M-Z408-01	040-M-Z409-01	040-M-Z410-01	040-M-Z411-01	040-M-Z412-01	040-M-Z413-01
	ORIGINAL ID ----->	040MZ40801	040MZ40901	040MZ41001	040MZ41101	040MZ41201	040MZ41301
	LAB SAMPLE ID --->	950922-24	950991-07	951005-18	951005-19	951005-20	951005-21
	ID FROM REPORT -->	040MZ40801	040MZ40901	040MZ41001	040MZ41101	040MZ41201	040MZ41301
	SAMPLE DATE ----->	11/10/95	11/29/95	12/05/95	12/05/95	12/05/95	12/05/95
	DATE EXTRACTED -->	12/05/95	01/10/96	01/16/96	01/16/96	01/16/96	01/16/96
	DATE ANALYZED --->	12/05/95	01/11/96	01/17/96	01/17/96	01/17/96	01/17/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z61101	Z30301	Z31001	Z31001	Z31001	Z31001
9999000-58-8	SOLIDS	46.6	79.9	78.3	77.6	78.7	77.9

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

% SOLID							
	SAMPLE ID ------->	040-M-Z414-01	040-M-Z415-01	040-M-Z416-01	040-M-Z417-01	040-M-Z418-01	040-M-Z419-01
	ORIGINAL ID ----->	040MZ41401	040MZ41501	040MZ41601	040MZ41701	040MZ41801	040MZ41901
	LAB SAMPLE ID --->	951005-10	960040-11	951005-06	951005-07	950998-08	950930-01
	ID FROM REPORT -->	040MZ41401	040MZ41501	040MZ41601	040MZ41701	040MZ41801	040MZ41901
	SAMPLE DATE ----->	12/04/95	01/23/96	12/01/95	12/01/95	12/01/95	11/10/95
	DATE EXTRACTED -->	01/16/96	02/06/96	01/16/96	01/16/96	01/13/96	12/17/95
	DATE ANALYZED --->	01/17/96	02/07/96	01/17/96	01/17/96	01/14/96	12/20/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	Z31001	Z25001	Z31001	Z31001	EM0040	Z41901
9999000-58-8	SOLIDS	77.2	70.8	73.1	78.6	71.8	77.

% SOLID							
	SAMPLE ID ------->	040-M-Z420-01	040-M-Z421-01	040-M-Z422-01	040-M-Z423-01	040-M-Z424-01	
	ORIGINAL ID ----->	040MZ42001	040MZ42101	040MZ42201	040MZ42301	040MZ42401	
	LAB SAMPLE ID --->	950930-02	950952-01	950952-02	950952-03	950952-04	
	ID FROM REPORT -->	040MZ42001	040MZ42101	040MZ42201	040MZ42301	040MZ42401	
	SAMPLE DATE ----->	11/10/95	11/17/95	11/17/95	11/17/95	11/17/95	
	DATE EXTRACTED -->	12/17/95	12/27/95	12/27/95	12/27/95	12/27/95	
	DATE ANALYZED --->	12/20/95	12/27/95	12/27/95	12/27/95	12/27/95	
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	
	UNITS ---------->	%	%	%	%	%	
CAS #	Parameter	Z41901	Z42101	Z42101	Z42101	Z42101	
9999000-58-8	SOLIDS	75.	79.9	75.4	79.3	77.1	

GRAIN SIZE													
		SAMPLE ID ------->	040-M-Z130-01		040-M-Z136-01		040-M-Z215-01		040-M-Z218-01		040-M-Z220-01		040-M-Z222-01
		ORIGINAL ID ----->	040MZ13001		040MZ13601		040MZ21501		040MZ21801		040MZ22001		040MZ22201
		LAB SAMPLE ID --->	GTX-1021-02		GTX-1021-01		GTX-1021-05		GTX-1021-14		GTX-1021-07		GTX-1021-06
		ID FROM REPORT -->	040MZ13001		040MZ13601		040MZ21501		040MZ21801		040MZ22001		040MZ22201
		SAMPLE DATE ----->											
		DATE ANALYZED --->	04/19/96		04/19/96		04/19/96		04/19/96		04/19/96		04/19/96
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment
		UNITS ---------->	%		%		%		%		%		%
CAS #	Parameter		Z13601		Z13601		Z13601		Z13601		Z13601		Z13601
9084-06-4	Surfactant NF		NR		NR		NR		NR		NR		NR
9999900-32-7	Seive Size #10		100.	SP	NR		100.	NA	100.	NA	100.	NA	100.	SP
9999900-32-8	Seive Size #20		100.	SP	100.	NA	100.	NA	99.	NA	100.	NA	100.	SP
9999900-32-9	Seive Size #40		90.	SP	98.	NA	99.	NA	91.	NA	89.	NA	85.	SP
9999900-33-0	Seive Size #60		53.	SP	95.	NA	94.	NA	64.	NA	29.	NA	30.	SP
9999900-33-1	Seive Size #100		6.	SP	90.	NA	81.	NA	25.	NA	8.	NA	4.	SP
9999900-33-2	Seive Size #200		2.	SP	88.	NA	77.	NA	19.	NA	7.	NA	3.	SP
9999900-33-3	Seive Size Pan		0.	SP	0.	NA	0.	NA	0.	NA	0.	NA	0.	SP
9999900-32-5	Seive Size 0.375"		NR		NR		NR		NR		NR		NR
9999900-32-6	Seive Size #4		NR		NR		NR		100.	NA	NR		NR

GRAIN SIZE													
		SAMPLE ID ------->	040-M-Z225-01		040-M-Z226-01		040-M-Z228-01		040-M-Z231-01		040-M-Z236-01		040-M-Z244-01
		ORIGINAL ID ----->	040MZ22501		040MZ22601		040MZ22801		040MZ23101		040MZ23601		040MZ24401
		LAB SAMPLE ID --->	GTX-1021-11		GTX-1021-09		GTX-1021-10		GTX-1021-13		GTX-1021-12		GTX-1021-15
		ID FROM REPORT -->	040MZ22501		040MZ22601		040MZ22801		040MZ23101		040MZ23601		040MZ24401
		SAMPLE DATE ----->											
		DATE ANALYZED --->	04/19/96		04/19/96		04/19/96		04/19/96		04/19/96		04/19/96
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment
		UNITS ---------->	%		%		%		%		%		%
CAS #	Parameter		Z13601		Z13601		Z13601		Z13601		Z13601		Z13601
9084-06-4	Surfactant NF		NR		NR		NR		NR		NR		NR
9999900-32-7	Seive Size #10		100.	NA	100.	NA	NR		100.	NA	100.	NA	100.	NA
9999900-32-8	Seive Size #20		99.	NA	100.	NA	100.	NA	99.	NA	99.	NA	100.	NA
9999900-32-9	Seive Size #40		92.	NA	99.	NA	99.	NA	95.	NA	79.	NA	99.	NA
9999900-33-0	Seive Size #60		57.	NA	96.	NA	93.	NA	87.	NA	40.	NA	98.	NA
9999900-33-1	Seive Size #100		23.	NA	92.	NA	82.	NA	66.	NA	8.	NA	95.	NA
9999900-33-2	Seive Size #200		20.	NA	91.	NA	80.	NA	61.	NA	5.	NA	93.	NA
9999900-33-3	Seive Size Pan		0.	NA	0.	NA	0.	NA	0.	NA	0.	NA	0.	NA
9999900-32-5	Seive Size 0.375"		NR		NR		NR		NR		NR		NR
9999900-32-6	Seive Size #4		NR		NR		NR		NR		NR		NR

GRAIN SIZE													
		SAMPLE ID ------->	040-M-Z247-01		040-M-Z301-01		040-M-Z302-01		040-M-Z405-01		040-M-Z408-01		040-M-Z424-01
		ORIGINAL ID ----->	040MZ24701		040MZ30101		040MZ30201		040MZ40501		040MZ40801		040MZ42401
		LAB SAMPLE ID --->	GTX-1021-16		GTX-1022-02		GTX-1022-01		GTX-1021-03		GTX-1022-11		GTX-1022-05
		ID FROM REPORT -->	040MZ24701		040MZ30101		040MZ30201		040MZ40501		040MZ40801		040MZ42401
		SAMPLE DATE ----->											
		DATE ANALYZED --->	04/19/96		04/18/96		04/18/96		04/19/96		04/18/96		04/18/96
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment
		UNITS ---------->	%		%		%		%		%		%
CAS #	Parameter		Z13601		Z30201		Z30201		Z13601		Z30201		Z30201
9084-06-4	Surfactant NF		NR		NR		NR		NR		NR		NR
9999900-32-7	Seive Size #10		NR		100.	SP	100.	NA	100.	NA	99.	NA	100.	SP
9999900-32-8	Seive Size #20		100.	NA	100.	SP	99.	NA	100.	NA	97.	NA	99.	SP
9999900-32-9	Seive Size #40		99.	NA	94.	SP	96.	NA	90.	NA	91.	NA	77.	SP
9999900-33-0	Seive Size #60		95.	NA	58.	SP	84.	NA	59.	NA	71.	NA	16.	SP
9999900-33-1	Seive Size #100		87.	NA	3.	SP	62.	NA	26.	NA	31.	NA	1.	SP
9999900-33-2	Seive Size #200		85.	NA	1.	SP	56.	NA	22.	NA	12.	NA	0.	SP
9999900-33-3	Seive Size Pan		0.	NA	0.	SP	0.	NA	0.	NA	0.	NA	0.	SP
9999900-32-5	Seive Size 0.375"		NR		NR		NR		NR		NR		100.	SP
9999900-32-6	Seive Size #4		NR		NR		NR		100.	NA	100.	NA	100.	SP

LOWVOA

SAMPLE ID -------->	040-W-Z036-01
ORIGINAL ID ----->	040MZ03601
LAB SAMPLE ID --->	960065-11
ID FROM REPORT -->	040MZ03601
SAMPLE DATE ----->	01/25/96
DATE ANALYZED --->	01/29/96
MATRIX ---------->	Water
UNITS ---------->	UG/L

CAS #	Parameter	EM0100	VAL
74-87-3	Chloromethane	1.	U
74-83-9	Bromomethane	1.	U
75-01-4	Vinyl chloride	1.	U
75-00-3	Chloroethane	1.	U
75-09-2	Methylene chloride	2.	U
67-64-1	Acetone	11.	UR
75-15-0	Carbon disulfide	1.	U
75-35-4	1,1-Dichloroethene	1.	U
75-34-3	1,1-Dichloroethane	1.	U
156-59-2	cis-1,2-Dichloroethene	1.	U
156-60-5	trans-1,2-Dichloroethene	1.	U
67-66-3	Chloroform	1.	U
107-06-2	1,2-Dichloroethane	1.	U
78-93-3	2-Butanone (MEK)	5.	U
71-55-6	1,1,1-Trichloroethane	1.	U
56-23-5	Carbon tetrachloride	1.	U
75-27-4	Bromodichloromethane	1.	U
78-87-5	1,2-Dichloropropane	1.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U
79-01-6	Trichloroethene	1.	U
124-48-1	Dibromochloromethane	1.	U
79-00-5	1,1,2-Trichloroethane	1.	U
71-43-2	Benzene	1.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U
75-25-2	Bromoform	1.	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U
591-78-6	2-Hexanone	5.	U
127-18-4	Tetrachloroethene	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U
108-88-3	Toluene	1.	U
108-90-7	Chlorobenzene	1.	U
100-41-4	Ethylbenzene	1.	U
100-42-5	Styrene	1.	U
1330-20-7	Xylene (Total)	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U

*** Validation Complete ***

LOWVOA

SAMPLE ID -------->	040-W-Z036-01
ORIGINAL ID ----->	040MZ03601
LAB SAMPLE ID --->	960065-11
ID FROM REPORT -->	040MZ03601
SAMPLE DATE ----->	01/25/96
DATE ANALYZED --->	01/29/96
MATRIX ---------->	Water
UNITS ---------->	UG/L

CAS #	Parameter	EM0100	VAL
95-50-1	1,2-Dichlorobenzene	1.	U
74-97-5	Chlorobromomethane	1.	U
106-93-4	1,2-Dibromoethane	1.	U

*** Validation Complete ***

METAL													
	SAMPLE ID ------->	040-M-Z101-01		040-M-Z102-01		040-M-Z103-01		040-M-Z104-01		040-M-Z105-01		040-M-Z106-01	
	ORIGINAL ID ----->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	LAB SAMPLE ID --->	960084-16		960084-17		960084-18		960084-04		960084-05		960084-06	
	ID FROM REPORT -->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	SAMPLE DATE ----->	02/05/96		02/05/96		02/05/96		02/01/96		02/01/96		02/01/96	
	DATE EXTRACTED -->	02/12/96		02/12/96		02/12/96		02/12/96		02/12/96		02/12/96	
	DATE ANALYZED --->	02/13/96		02/13/96		02/13/96		02/13/96		02/13/96		02/13/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
7429-90-5	Aluminum	1240.		416.		666.		3510.		12500.		19100.	
7440-36-0	Antimony	0.14	UJ	0.19	J	0.29	J	0.32	J	0.32	UJ	0.43	UJ
7440-38-2	Arsenic	1.2	J	0.42	J	0.64	J	3.5		9.4		12.3	
7440-39-3	Barium	1.1	J	0.46	J	0.7	J	2.4	J	7.7	J	12.5	J
7440-41-7	Beryllium	0.07	U	0.06	U	0.06	U	0.16	J	0.52	J	0.7	J
7440-43-9	Cadmium	0.14	U	0.13	U	0.12	U	0.43		1.		1.3	
7440-70-2	Calcium	2530.	J	126.	J	126.	J	605.	J	1720.	J	2120.	J
7440-47-3	Chromium	3.9	U	1.2	U	2.2	U	16.		53.4		70.2	
7440-48-4	Cobalt	0.27	U	0.15	U	0.13	U	0.63	U	1.6	J	2.4	J
7440-50-8	Copper	2.4		0.5	J	0.77	J	5.4		14.8		18.8	
57-12-5	Cyanide (CN)	0.63	U	0.6	U	0.59	U	0.78	U	1.6	U	1.9	U
7439-89-6	Iron	1460.		525.		810.		4980.		16300.		21100.	
7439-92-1	Lead	2.9		1.1		1.6		10.8		32.3		40.9	
7439-95-4	Magnesium	389.		226.	J	237.	J	1230.		3770.		5000.	
7439-96-5	Manganese	7.2		2.6		3.8		13.9		49.8		66.5	
7439-97-6	Mercury	0.06	U	0.05	U	0.05	U	0.06	U	0.14	U	0.17	U
7440-02-0	Nickel	0.78	J	0.57	U	0.55	U	1.5	J	5.3	J	9.6	
7440-09-7	Potassium	136.	J	84.3	J	83.7	J	499.		1630.		2110.	
7782-49-2	Selenium	0.27	UJ	0.25	UJ	0.25	UJ	0.38	J	0.96	J	1.3	J
7440-22-4	Silver	0.34	UJ	0.32	UJ	0.31	UJ	0.4	UJ	0.8	UJ	0.97	UJ
7440-23-5	Sodium	1100.		1180.		874.		3420.		9720.		11900.	
7440-28-0	Thallium	0.27	UJ	0.25	UJ	0.25	UJ	0.35	J	0.64	UJ	0.78	UJ
7440-62-2	Vanadium	2.2	J	0.84	J	1.4	J	6.9		21.8		29.6	
7440-66-6	Zinc	8.9		2.4	U	3.		24.		66.6		86.6	

*** Validation Complete ***

METAL																			
		SAMPLE ID ------->	040-M-Z107-01		040-M-Z108-01		040-M-Z109-01		040-M-Z110-01		040-M-Z111-01		040-M-Z112-01	
		ORIGINAL ID ----->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
		LAB SAMPLE ID --->	960084-07		960084-08		960084-09		960084-10		960084-11		960084-12	
		ID FROM REPORT -->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
		SAMPLE DATE ----->	02/01/96		02/01/96		02/01/96		02/01/96		02/01/96		02/01/96	
		DATE EXTRACTED -->	02/12/96		02/12/96		02/12/96		02/12/96		02/12/96		02/12/96	
		DATE ANALYZED --->	02/13/96		02/13/96		02/13/96		02/13/96		02/13/96		02/13/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
7429-90-5	Aluminum		21700.		3050.		23000.		620.		692.		4240.	
7440-36-0	Antimony		0.44	UJ	0.14	UJ	0.71	J	0.13	UJ	0.15	UJ	0.62	J
7440-38-2	Arsenic		13.7		2.3	J	14.7		0.57	J	0.75	J	17.3	
7440-39-3	Barium		13.7	J	2.2	J	15.2	J	0.64	J	0.78	J	5.2	J
7440-41-7	Beryllium		0.81	J	0.1	J	0.82	J	0.07	U	0.07	U	0.27	U
7440-43-9	Cadmium		1.5		0.14	U	2.		0.13	U	0.15	U	0.55	U
7440-70-2	Calcium		2330.	J	360.	J	2240.	J	126.	J	536.	J	1310.	J
7440-47-3	Chromium		88.6		11.7		93.		2.7	U	3.	U	12.6	
7440-48-4	Cobalt		2.9	J	0.39	U	3.3	J	0.14	U	0.17	U	0.55	U
7440-50-8	Copper		21.3		3.5		20.4		0.82	J	1.1	J	28.7	
57-12-5	Cyanide (CN)		2.1	U	0.69	U	2.	U	0.62	U	0.68	U	2.7	U
7439-89-6	Iron		24500.		3450.		24500.		687.		917.		4810.	
7439-92-1	Lead		48.5		7.5		53.5		2.		2.1		66.6	
7439-95-4	Magnesium		5860.		835.		6200.		271.	J	287.	J	2500.	
7439-96-5	Manganese		83.1		10.		101.		1.6		4.9		18.4	
7439-97-6	Mercury		0.22	U	0.06	U	0.18	U	0.05	U	0.06	U	0.24	U
7440-02-0	Nickel		9.1		0.86	J	10.6		0.64	J	0.67	U	2.5	U
7440-09-7	Potassium		2610.		352.	J	2690.		100.	J	108.	J	970.	J
7782-49-2	Selenium		1.5	J	0.36	J	1.7	J	0.27	UJ	0.37	J	1.6	J
7440-22-4	Silver		1.1	UJ	0.36	UJ	1.1	UJ	0.34	UJ	0.37	UJ	1.4	UJ
7440-23-5	Sodium		14900.		2270.		16500.		1100.		1110.		9020.	
7440-28-0	Thallium		0.88	UJ	0.29	UJ	0.88	UJ	0.27	UJ	0.3	UJ	1.1	UJ
7440-62-2	Vanadium		33.4		5.6		37.7		1.5	J	1.5	J	12.2	J
7440-66-6	Zinc		98.		14.4		96.8		2.9		4.		63.5	

*** Validation Complete ***

METAL													
		SAMPLE ID ------->	040-M-Z113-01		040-M-Z114-01		040-M-Z115-01		040-M-Z116-01		040-M-Z117-01		040-M-Z118-01	
		ORIGINAL ID ----->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
		LAB SAMPLE ID --->	960084-13		960065-12		960065-13		960065-14		960065-15		960065-16	
		ID FROM REPORT -->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
		SAMPLE DATE ----->	02/01/96		01/26/96		01/26/96		01/26/96		01/26/96		01/26/96	
		DATE EXTRACTED -->	02/12/96		02/04/96		02/04/96		02/04/96		02/04/96		02/04/96	
		DATE ANALYZED --->	02/13/96		02/05/96		02/05/96		02/05/96		02/05/96		02/05/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		MZ6020	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
7429-90-5	Aluminum		3410.		22900.		23100.		19900.		1480.		1390.	
7440-36-0	Antimony		0.16	UJ	0.52	UR	0.62	UR	0.44	UR	0.14	UR	0.14	UR
7440-38-2	Arsenic		4.4		15.2		15.8		13.		1.4		1.2	
7440-39-3	Barium		2.2	J	14.8	U	14.8	U	13.4	U	1.1	U	1.2	U
7440-41-7	Beryllium		0.13	J	0.95	U	0.98	U	0.79	U	0.07	U	0.07	U
7440-43-9	Cadmium		0.26	J	1.8		3.1		1.6		0.14	U	0.14	U
7440-70-2	Calcium		448.	J	2590.	J	2840.	J	2560.	J	232.	J	210.	J
7440-47-3	Chromium		16.9		103.		137.		93.6		6.7		6.1	
7440-48-4	Cobalt		0.54	U	2.7	J	3.2	J	3.	J	0.14	U	0.18	U
7440-50-8	Copper		4.3		21.7		23.8		18.1		1.9		1.8	J
57-12-5	Cyanide (CN)		0.8	U	2.5	U	2.9	U	2.1	U	0.68	U	0.66	U
7439-89-6	Iron		5120.		27600.		29900.		23600.		2160.		1860.	
7439-92-1	Lead		10.6		58.1		73.7		50.4		4.6		4.2	
7439-95-4	Magnesium		1030.		7220.		8590.		5230.		535.		420.	
7439-96-5	Manganese		17.9		130.		174.		102.		9.3		6.2	
7439-97-6	Mercury		0.07	U	0.23	U	0.3	J	0.21	J	0.06	U	0.06	U
7440-02-0	Nickel		1.9	J	11.9		11.8	J	9.2		0.72	J	0.64	U
7440-09-7	Potassium		445.		2640.		3320.		2160.		209.	J	170.	J
7782-49-2	Selenium		0.42	J	1.	U	2.1		0.88	U	0.28	U	0.28	U
7440-22-4	Silver		0.41	UJ	1.3	U	1.5	U	1.1	U	0.35	U	0.35	U
7440-23-5	Sodium		2470.		20600.		27700.		13500.		1520.		1070.	
7440-28-0	Thallium		0.33	UJ	1.	U	1.2	U	0.88	U	0.28	U	0.28	U
7440-62-2	Vanadium		6.7		37.4		41.7		32.7		2.9	J	3.5	J
7440-66-6	Zinc		20.5		107.		118.		91.		8.7	U	7.2	U

*** Validation Complete ***

METAL													
	SAMPLE ID ------->	040-M-Z119-01		040-M-Z120-01		040-M-Z121-01		040-M-Z122-01		040-M-Z123-01		040-M-Z124-01	
	ORIGINAL ID ----->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
	LAB SAMPLE ID --->	960065-17		960065-18		960065-19		960065-03		960065-04		960065-05	
	ID FROM REPORT -->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
	SAMPLE DATE ----->	01/26/96		01/26/96		01/26/96		01/25/96		01/25/96		01/25/96	
	DATE EXTRACTED -->	02/15/96		02/15/96		02/15/96		02/04/96		02/04/96		02/04/96	
	DATE ANALYZED --->	02/18/96		02/18/96		02/18/96		02/05/96		02/05/96		02/05/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
7429-90-5	Aluminum	24900.		20900.		451.		23500.		2460.		535.	
7440-36-0	Antimony	0.55	UR	0.43	UR	0.13	UR	0.64	UR	0.13	UR	0.14	UR
7440-38-2	Arsenic	17.2		15.1		0.44	J	17.3		2.5		0.22	J
7440-39-3	Barium	15.8	U	13.1	U	0.59	U	15.3	U	1.8	U	0.87	U
7440-41-7	Beryllium	1.1	J	0.91	J	0.07	U	1.1	J	0.11	J	0.07	U
7440-43-9	Cadmium	2.2		1.9		0.13	U	2.8		0.32	J	0.14	U
7440-70-2	Calcium	2900.	J	2490.	J	89.3	J	6150.	J	1570.	J	91.7	J
7440-47-3	Chromium	140.		103.		1.9		161.		13.		2.6	
7440-48-4	Cobalt	3.7	J	2.7	J	0.13	U	3.1	J	0.26	U	0.14	U
7440-50-8	Copper	26.2		21.7		0.51	J	26.3		2.9		0.8	J
57-12-5	Cyanide (CN)	2.6	UR	2.1	UR	0.64	UR	3.	U	0.64	U	0.66	U
7439-89-6	Iron	32500.		27400.		696.		32600.		3580.		739.	
7439-92-1	Lead	77.9		59.2		1.2		82.6		8.4		1.8	
7439-95-4	Magnesium	8750.		6910.		186.	J	9340.		765.		230.	J
7439-96-5	Manganese	187.		126.		1.6		208.		15.8		3.2	
7439-97-6	Mercury	0.27	J	0.21	U	0.05	U	0.37	J	0.06	U	0.07	U
7440-02-0	Nickel	12.6		11.2		0.6	U	11.6	J	1.4	J	0.66	J
7440-09-7	Potassium	3320.		2600.		79.7	J	3580.		312.	J	88.5	J
7782-49-2	Selenium	1.6		1.9		0.27	U	1.6		0.27	U	0.28	U
7440-22-4	Silver	1.4	U	1.1	U	0.33	U	1.6	U	0.34	U	0.38	J
7440-23-5	Sodium	26500.		18600.		830.		31000.		1970.		913.	
7440-28-0	Thallium	1.1	U	0.87	U	0.27	U	3.	J	0.27	U	0.28	U
7440-62-2	Vanadium	45.9		37.9		1.7	J	43.2		4.8		1.4	J
7440-66-6	Zinc	126.		107.		2.3		132.		14.9	U	3.	U

*** Validation Complete ***

METAL																	
		SAMPLE ID ------->	040-M-Z125-01		040-M-Z126-01		040-M-Z127-01		040-M-Z128-01		040-M-Z129-01		040-M-Z130-01	
		ORIGINAL ID ----->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
		LAB SAMPLE ID --->	960065-06		960065-07		960065-08		960065-09		960065-10		960040-12	
		ID FROM REPORT -->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
		SAMPLE DATE ----->	01/25/96		01/25/96		01/25/96		01/25/96		01/25/96		01/24/96	
		DATE EXTRACTED -->	02/04/96		02/04/96		02/04/96		02/04/96		02/04/96		01/28/96	
		DATE ANALYZED --->	02/05/96		02/05/96		02/05/96		02/05/96		02/05/96		01/29/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	Z25001	VAL
7429-90-5	Aluminum		162.		1370.		283.		202.		24800.		21300.	
7440-36-0	Antimony		0.71	UR	0.2	J	0.14	UR	0.12	UR	0.61	UR	0.54	UJ
7440-38-2	Arsenic		0.14	U	1.6		0.35	J	0.12	U	17.5		16.2	
7440-39-3	Barium		0.34	U	1.1	U	0.57	U	0.37	U	16.2	U	15.2	J
7440-41-7	Beryllium		0.07	U	0.07	J	0.07	U	0.06	U	1.2	J	0.92	J
7440-43-9	Cadmium		0.14	U	0.22	J	0.14	U	0.12	U	3.7		1.3	J
7440-70-2	Calcium		74.7	J	242.	J	88.	J	62.8	J	3830.	J	2130.	J
7440-47-3	Chromium		0.59	J	8.		1.5		0.78		176.		120.	
7440-48-4	Cobalt		0.14	U	0.22	U	0.14	U	0.12	U	3.8	J	3.	J
7440-50-8	Copper		0.28	U	2.1		0.53	J	0.25	U	30.		22.4	
57-12-5	Cyanide (CN)		0.65	U	0.65	U	0.65	U	0.59	U	2.9	U	2.4	U
7439-89-6	Iron		189.		2430.		345.		240.		34400.		26400.	
7439-92-1	Lead		0.72		6.		1.2		0.8		95.3		72.7	
7439-95-4	Magnesium		162.	J	576.		169.	J	131.	J	9580.		6990.	
7439-96-5	Manganese		0.78	J	12.1		0.87	J	0.71	J	235.		152.	
7439-97-6	Mercury		0.06	U	0.06	U	0.05	U	0.05	U	0.33	J	2.2	
7440-02-0	Nickel		0.64	U	0.74	J	0.61	U	0.56	U	11.2	J	11.3	
7440-09-7	Potassium		57.2	J	231.	J	64.3	J	46.	J	3740.		2850.	
7782-49-2	Selenium		0.28	U	0.28	U	0.27	U	0.25	U	1.5	J	1.3	J
7440-22-4	Silver		0.35	U	0.35	U	0.34	U	0.31	U	1.5	U	1.4	U
7440-23-5	Sodium		982.		1830.		884.		711.		31100.		22800.	
7440-28-0	Thallium		0.32	U	0.28	U	0.27	U	0.25	U	1.2	U	1.1	U
7440-62-2	Vanadium		0.44	J	3.5		0.85	J	0.88	J	47.		39.9	
7440-66-6	Zinc		1.1	U	10.4	U	1.8	U	1.7	U	141.		108.	

*** Validation Complete ***

METAL																			
		SAMPLE ID ------->	040-M-Z131-01		040-M-Z132-01		040-M-Z133-01		040-M-Z134-01		040-M-Z135-01		040-M-Z136-01	
		ORIGINAL ID ----->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
		LAB SAMPLE ID --->	960040-13		960040-14		960040-15		960084-19		960040-16		960040-17	
		ID FROM REPORT -->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
		SAMPLE DATE ----->	01/24/96		01/24/96		01/24/96		02/05/96		01/24/96		01/24/96	
		DATE EXTRACTED -->	01/28/96		01/28/96		01/28/96		02/13/96		01/28/96		01/28/96	
		DATE ANALYZED --->	01/29/96		01/29/96		01/29/96		02/13/96		01/29/96		01/29/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		Z25001	VAL	Z25001	VAL	Z25001	VAL	MZ6020	VAL	Z25001	VAL	Z25001	VAL
7429-90-5	Aluminum		244.		370.		661.		226.		336.		32300.	
7440-36-0	Antimony		0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ	0.14	UJ	0.71	UJ
7440-38-2	Arsenic		0.22	J	0.17	J	0.76	J	0.18	J	0.14	UJ	18.4	
7440-39-3	Barium		0.69	U	0.59	U	1.2	J	0.3	J	0.64	U	24.8	J
7440-41-7	Beryllium		0.07	U	0.07	U	0.07	U	0.06	U	0.07	U	1.2	J
7440-43-9	Cadmium		0.13	U	0.13	U	0.13	U	0.13	U	0.14	U	2.9	
7440-70-2	Calcium		65.6	J	75.9	J	133.	J	78.	J	72.6	J	3370.	J
7440-47-3	Chromium		1.4		1.9		3.9		1.1	U	1.7		164.	
7440-48-4	Cobalt		0.16	J	0.13	U	0.23	J	0.15	U	0.15	J	5.6	J
7440-50-8	Copper		0.63	J	0.4	J	1.2	J	0.26	J	0.65	J	33.6	
57-12-5	Cyanide (CN)		0.56	U	0.58	U	0.58	U	0.6	U	0.6	U	3.4	U
7439-89-6	Iron		349.		487.		1040.		174.		398.		33800.	
7439-92-1	Lead		1.1	U	1.6		2.8		0.78		1.4		97.7	
7439-95-4	Magnesium		131.	J	168.	J	274.	J	152.	J	162.	J	10000.	
7439-96-5	Manganese		1.1		1.9		6.7		0.54	J	1.6		229.	
7439-97-6	Mercury		0.05	U	0.05	U	0.06	U	0.05	U	0.05	U	0.39	J
7440-02-0	Nickel		0.59	U	0.58	U	0.64	J	0.57	U	0.61	U	16.9	
7440-09-7	Potassium		62.3	U	69.9	U	127.	J	69.2	J	70.3	U	4320.	
7782-49-2	Selenium		0.26	U	0.26	U	0.26	U	0.32	J	0.27	U	2.8	
7440-22-4	Silver		0.33	U	0.32	U	0.33	U	0.32	UJ	0.34	U	1.8	U
7440-23-5	Sodium		754.		804.		1030.		914.		827.		35300.	
7440-28-0	Thallium		0.26	U	0.26	U	0.26	U	0.25	UJ	0.27	U	1.4	U
7440-62-2	Vanadium		0.95	J	1.	J	1.9	J	0.5	J	0.93	J	54.2	
7440-66-6	Zinc		2.8	U	3.7		5.		1.2	UJ	7.6		163.	

*** Validation Complete ***

METAL																	
	SAMPLE ID ------->	040-M-Z137-01		040-M-Z138-01		040-M-Z201-01		040-M-Z202-01		040-M-Z203-01		040-M-Z204-01	
	ORIGINAL ID ----->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401	
	LAB SAMPLE ID --->	960040-18		960040-19		960010-17		960010-18		960010-19		960010-20	
	ID FROM REPORT -->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401	
	SAMPLE DATE ----->	01/24/96		01/24/96		01/12/96		01/12/96		01/12/96		01/12/96	
	DATE EXTRACTED -->	01/28/96		01/30/96		01/16/96		01/16/96		01/16/96		01/16/96	
	DATE ANALYZED --->	01/29/96		02/01/96		01/17/96		01/17/96		01/17/96		01/17/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL
7429-90-5	Aluminum	18800.		208.		209.		159.		148.		200.	
7440-36-0	Antimony	0.66	UJ	0.13	UJ	0.12	UJ	0.13	UJ	0.14	UJ	0.12	UJ
7440-38-2	Arsenic	15.6		0.13	UJ	0.16	J	0.13	U	0.14	U	0.14	J
7440-39-3	Barium	14.1	J	0.53	U	0.58	J	0.37	J	0.33	J	0.39	J
7440-41-7	Beryllium	0.94	J	0.06	U	0.06	U	0.07	U	0.07	U	0.06	U
7440-43-9	Cadmium	2.6		0.13	U	0.19	U	0.2	U	0.21	U	0.18	U
7440-70-2	Calcium	2750.	J	59.5	J	78.3	J	71.7	J	319.	J	147.	J
7440-47-3	Chromium	132.		1.1		0.75		1.		0.62	J	0.69	
7440-48-4	Cobalt	3.2	J	0.13	J	0.19	U	0.2	U	0.21	U	0.18	U
7440-50-8	Copper	27.5		0.51	J	0.25	U	0.27	U	0.28	U	0.24	U
57-12-5	Cyanide (CN)	3.2	U	0.61	U	0.62	U	0.61	U	0.62	U	0.61	U
7439-89-6	Iron	27800.		247.		234.		201.		166.		190.	
7439-92-1	Lead	87.7		0.95	U	0.92		0.88		0.74		0.76	
7439-95-4	Magnesium	8110.		130.	J	170.	J	151.	J	198.	J	159.	J
7439-96-5	Manganese	198.		0.86	J	0.79	J	0.63	J	0.49	J	0.63	J
7439-97-6	Mercury	0.28	U	0.05	U	0.05	U	0.05	U	0.06	U	0.05	U
7440-02-0	Nickel	8.5	J	0.56	U	0.75	U	0.8	U	0.85	U	0.73	U
7440-09-7	Potassium	3370.		57.5	U	61.6	J	48.2	J	61.8	J	55.	J
7782-49-2	Selenium	2.3		0.25	U	0.19	UJ	0.2	UJ	0.21	UJ	0.18	UJ
7440-22-4	Silver	1.6	U	0.31	U	0.25	U	0.27	U	0.28	U	0.24	U
7440-23-5	Sodium	31000.		790.		1030.		957.		1360.		1020.	
7440-28-0	Thallium	1.3	U	0.25	U	0.19	U	0.2	U	0.21	U	0.18	U
7440-62-2	Vanadium	39.8		0.6	J	0.65	J	0.48	J	0.56	J	0.47	J
7440-66-6	Zinc	141.		5.1		1.2	U	1.7	U	1.8	U	2.8	U

*** Validation Complete ***

METAL																	
	SAMPLE ID ------->	040-M-Z205-01		040-M-Z206-01		040-M-Z207-01		040-M-Z208-01		040-M-Z209-01		040-M-Z210-01	
	ORIGINAL ID ----->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
	LAB SAMPLE ID --->	960084-20		960015-01		960015-02		960005-12		960005-11		960015-03	
	ID FROM REPORT -->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
	SAMPLE DATE ----->	02/05/96		01/12/96		01/12/96		01/05/96		01/05/96		01/12/96	
	DATE EXTRACTED -->	02/13/96		01/16/96		01/16/96		01/13/96		01/13/96		01/16/96	
	DATE ANALYZED --->	02/13/96		01/17/96		01/17/96		01/15/96		01/15/96		01/17/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	MZ6020	VAL	Z20601	VAL	Z20601	VAL	Z22401	VAL	Z22401	VAL	Z20601	VAL
7429-90-5	Aluminum	19800.		25200.	J	262.	J	257.		456.		709.	J
7440-36-0	Antimony	0.65	J	4.6	J	0.13	UJ	0.14	UR	0.13	UR	0.81	J
7440-38-2	Arsenic	14.5		17.7		0.52	U	0.29	J	0.26	J	0.82	U
7440-39-3	Barium	14.4	J	16.5	J	0.57	J	0.37	J	0.57	J	0.71	J
7440-41-7	Beryllium	0.83	J	0.98	J	0.07	U	0.07	U	0.07	U	0.07	U
7440-43-9	Cadmium	1.8		2.3		0.2	U	0.2	U	0.2	U	0.2	U
7440-70-2	Calcium	2530.	J	2850.		89.4	J	66.4	J	94.2	J	137.	J
7440-47-3	Chromium	114.		134.		1.2		0.79		1.9		3.3	
7440-48-4	Cobalt	3.2	J	2.5	J	0.2	U	0.2	U	0.2	U	0.2	U
7440-50-8	Copper	27.8		28.6		0.33	J	0.27	U	0.45	J	1.2	J
57-12-5	Cyanide (CN)	2.7	U	2.8	U	0.66	U	0.65	U	0.62	U	0.62	U
7439-89-6	Iron	25400.		32400.		313.		274.		516.		1010.	
7439-92-1	Lead	81.8		99.8		1.2		1.4		1.8		3.6	
7439-95-4	Magnesium	7420.		8770.		207.	J	138.	J	224.	J	304.	J
7439-96-5	Manganese	150.		157.		1.1		1.3		1.5		5.5	
7439-97-6	Mercury	0.22	U	0.25	U	0.05	U	0.06	U	0.06	U	0.06	U
7440-02-0	Nickel	10.7	J	10.3	J	0.79	U	0.81	U	0.81	U	0.78	U
7440-09-7	Potassium	3220.		3210.		76.	J	48.1	J	77.3	J	107.	J
7782-49-2	Selenium	1.3	J	1.1	J	0.2	U	0.2	UJ	0.2	UJ	0.21	J
7440-22-4	Silver	1.5	UJ	1.2	U	0.26	U	0.27	UJ	0.27	UJ	0.26	U
7440-23-5	Sodium	25900.		28100.		1250.		769.		1020.		1260.	
7440-28-0	Thallium	1.2	UJ	1.6	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-62-2	Vanadium	40.3		44.		0.78	J	0.58	J	0.99	J	1.4	J
7440-66-6	Zinc	110.		128.		1.9	U	1.6	U	2.6	U	6.8	

*** Validation Complete ***

METAL																	
	SAMPLE ID ------->	040-M-Z211-01		040-M-Z212-01		040-M-Z213-01		040-M-Z214-01		040-M-Z215-01		040-M-Z216-01	
	ORIGINAL ID ----->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
	LAB SAMPLE ID --->	960093-01		960015-04		960010-11		960010-12		960010-13		960005-06	
	ID FROM REPORT -->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
	SAMPLE DATE ----->	02/05/96		01/12/96		01/11/96		01/11/96		01/11/96		01/04/96	
	DATE EXTRACTED -->	02/14/96		01/16/96		01/13/96		01/13/96		01/13/96		01/13/96	
	DATE ANALYZED --->	02/14/96		01/17/96		01/15/96		01/15/96		01/15/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	MZ1010	VAL	Z20601	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z22401	VAL
7429-90-5	Aluminum	855.		1500.	J	691.		22700.		21000.		1360.	
7440-36-0	Antimony	0.12	UR	0.13	UJ	0.69	UJ	0.44	UJ	0.38	UJ	0.16	UR
7440-38-2	Arsenic	0.9		1.6	U	0.46	J	15.		15.6		1.4	J
7440-39-3	Barium	0.66	J	1.1	J	0.65	J	15.6	J	14.2	J	1.3	J
7440-41-7	Beryllium	0.06	U	0.07	U	0.07	U	0.8	J	0.7	J	0.08	U
7440-43-9	Cadmium	0.12	U	0.25	J	0.21	U	3.7		3.6		0.3	J
7440-70-2	Calcium	153.	J	188.	J	119.	J	2300.		2180.		363.	J
7440-47-3	Chromium	2.6		6.7		2.4		107.		99.		6.6	
7440-48-4	Cobalt	0.14	J	0.2	U	0.21	U	2.8	J	2.8	J	0.24	U
7440-50-8	Copper	1.	J	2.3		0.97	J	31.		27.5		2.3	
57-12-5	Cyanide (CN)	0.61	U	0.62	U	0.62	U	2.2	U	1.8	U	0.75	U
7439-89-6	Iron	1270.		2510.		790.		30900.		29900.		2100.	
7439-92-1	Lead	2.9		6.5		2.5		92.4		83.3		7.1	
7439-95-4	Magnesium	281.	J	407.		212.	J	5230.		4710.		596.	
7439-96-5	Manganese	2.7		7.2		1.7		103.		91.7		7.9	
7439-97-6	Mercury	0.05	U	0.06	U	0.05	U	0.25	J	0.18	U	0.06	U
7440-02-0	Nickel	0.55	U	0.91	J	0.83	U	10.4		9.7		0.97	U
7440-09-7	Potassium	90.7	J	156.	J	74.5	J	1870.		1710.		202.	J
7782-49-2	Selenium	0.25	U	0.2	U	0.21	UJ	1.3	J	2.	J	0.32	J
7440-22-4	Silver	0.31	U	0.27	U	0.28	U	0.88	U	0.77	U	0.32	J
7440-23-5	Sodium	1100.		1250.		795.		8460.		6510.		2520.	
7440-28-0	Thallium	0.25	U	0.2	U	0.21	U	1.	J	0.92	J	0.24	U
7440-62-2	Vanadium	2.1	J	2.5	J	1.5	J	36.8		33.2		2.6	J
7440-66-6	Zinc	3.8	U	12.9		3.6	U	132.		129.		11.4	J

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

METAL													
	SAMPLE ID ------->	040-M-Z217-01		040-M-Z218-01		040-M-Z219-01		040-M-Z220-01		040-M-Z221-01		040-M-Z222-01	
	ORIGINAL ID ----->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201	
	LAB SAMPLE ID --->	960005-05		960005-04		960005-03		960010-14		960093-02		960010-15	
	ID FROM REPORT -->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/04/96		01/11/96		02/05/96		01/11/96	
	DATE EXTRACTED -->	01/13/96		01/13/96		01/13/96		01/13/96		02/16/96		01/13/96	
	DATE ANALYZED --->	01/15/96		01/15/96		01/15/96		01/15/96		02/16/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	Z22401	VAL	Z50801	VAL	MZ1010	VAL	Z50801	VAL
7429-90-5	Aluminum	2400.		6360.		20400.		500.		2320.		2830.	
7440-36-0	Antimony	0.14	UR	0.2	UR	0.57	UR	0.15	UJ	0.15	UR	0.23	UJ
7440-38-2	Arsenic	1.8	J	5.2	J	13.	J	0.15	U	1.4		1.7	
7440-39-3	Barium	1.9	J	5.	J	17.2	J	0.66	J	3.1	J	2.8	J
7440-41-7	Beryllium	0.09	J	0.23	J	0.73	J	0.08	U	0.07	U	0.11	U
7440-43-9	Cadmium	0.27	J	1.1		4.5		0.23	U	0.55		0.56	J
7440-70-2	Calcium	198.	J	956.	J	3860.	J	157.	J	366.	J	402.	J
7440-47-3	Chromium	10.2		30.7		88.9		1.8		6.6		9.1	
7440-48-4	Cobalt	0.22	U	0.74	J	2.2	J	0.23	U	0.15	U	0.34	U
7440-50-8	Copper	3.4		10.3		40.1		0.68	J	5.7		6.8	
57-12-5	Cyanide (CN)	0.75	U	0.91	U	2.7	U	0.73	U	0.67	U	1.1	U
7439-89-6	Iron	2740.		8970.		26500.		475.		1800.		3190.	
7439-92-1	Lead	10.8		34.7		131.		3.3		24.3		40.1	
7439-95-4	Magnesium	448.		1940.		6660.		236.	J	406.		549.	J
7439-96-5	Manganese	7.4		37.7		98.5		1.2		4.3		7.5	
7439-97-6	Mercury	0.06	U	0.08	U	0.28	J	0.06	U	0.16		0.09	U
7440-02-0	Nickel	1.3	J	3.4	J	8.9	J	0.92	U	1.1	J	1.9	J
7440-09-7	Potassium	164.	J	672.		2260.		70.7	J	127.	J	157.	J
7782-49-2	Selenium	0.38	J	0.76	J	2.2	J	0.23	UJ	0.87		0.34	UJ
7440-22-4	Silver	0.29	UJ	0.4	UJ	1.1	UJ	0.31	U	0.37	U	0.45	U
7440-23-5	Sodium	736.		5770.		20200.		1190.		1190.		843.	
7440-28-0	Thallium	0.22	U	0.3	U	0.86	U	0.23	U	0.3	U	0.34	U
7440-62-2	Vanadium	4.1		12.1		39.5		0.94	J	5.7		6.	
7440-66-6	Zinc	16.8	J	51.	J	206.	J	4.5	U	30.7		28.6	

*** Validation Complete ***

METAL													
	SAMPLE ID ------->	040-M-Z223-01		040-M-Z224-01		040-M-Z225-01		040-M-Z226-01		040-M-Z227-01		040-M-Z228-01	
	ORIGINAL ID ----->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	LAB SAMPLE ID --->	960005-02		960005-01		960002-08		960002-09		960002-10		960002-11	
	ID FROM REPORT -->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/03/96		01/03/96		01/03/96		01/03/96	
	DATE EXTRACTED -->	01/13/96		01/13/96		01/10/96		01/10/96		01/10/96		01/10/96	
	DATE ANALYZED --->	01/15/96		01/15/96		01/10/96		01/10/96		01/10/96		01/10/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
7429-90-5	Aluminum	19700.		20600.		4710.		28900.		520.		23600.	
7440-36-0	Antimony	0.53	J	0.44	UR	0.19	UR	0.65	UR	0.15	UR	0.76	J
7440-38-2	Arsenic	12.3	J	12.	J	2.8		15.6		0.39	J	13.7	
7440-39-3	Barium	14.	J	14.7	J	4.	J	21.3	J	0.67	J	17.6	J
7440-41-7	Beryllium	0.7	J	0.69	J	0.17	J	1.	J	0.07	U	0.85	J
7440-43-9	Cadmium	3.5		3.3		0.72		2.5		0.22	U	2.1	
7440-70-2	Calcium	5020.	J	2450.	J	636.		2850.		99.5	J	2140.	
7440-47-3	Chromium	97.7		101.		22.6		145.		2.9		131.	
7440-48-4	Cobalt	2.	J	2.1	J	0.72	J	4.2	J	0.22	U	3.1	J
7440-50-8	Copper	27.6		28.6		8.9		31.4		1.7	J	25.1	
57-12-5	Cyanide (CN)	2.2	U	2.1	U	0.89	U	3.1	U	0.68	U	2.4	U
7439-89-6	Iron	25000.		25100.		6160.		32200.		712.		27200.	
7439-92-1	Lead	102.		103.		26.9		94.2		2.5		82.9	
7439-95-4	Magnesium	6020.		6000.		1210.		8780.		230.	J	7000.	
7439-96-5	Manganese	111.		108.		25.7		182.		2.1		178.	
7439-97-6	Mercury	0.22	J	0.21	U	0.08	U	0.31	U	0.06	U	0.25	J
7440-02-0	Nickel	6.9	J	8.9		2.6	J	12.5	J	0.88	U	10.4	
7440-09-7	Potassium	2150.		2270.		463.	J	3270.		98.	J	2710.	
7782-49-2	Selenium	1.7	J	1.8	J	0.7		1.6	J	0.22	U	0.84	J
7440-22-4	Silver	0.9	UJ	0.87	UJ	0.37	U	1.3	U	0.29	U	0.97	U
7440-23-5	Sodium	18100.		17100.		2960.		28300.		1060.		21900.	
7440-28-0	Thallium	0.67	U	0.66	U	0.28	U	0.97	U	0.22	U	0.73	U
7440-62-2	Vanadium	33.2		33.3		8.7		48.4		1.5	J	39.8	
7440-66-6	Zinc	130.	J	135.	J	39.8		137.		3.1		112.	

*** Validation Complete ***

METAL																	
	SAMPLE ID ------->	040-M-Z229-01		040-M-Z230-01		040-M-Z231-01		040-M-Z232-01		040-M-Z233-01		040-M-Z234-01	
	ORIGINAL ID ----->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	LAB SAMPLE ID --->	960093-03		960002-12		960002-13		960002-14		960002-15		960002-01	
	ID FROM REPORT -->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	SAMPLE DATE ----->	02/05/96		01/03/96		01/03/96		01/03/96		01/03/96		01/02/96	
	DATE EXTRACTED -->	02/14/96		01/10/96		01/10/96		01/10/96		01/10/96		01/10/96	
	DATE ANALYZED --->	02/14/96		01/10/96		01/10/96		01/10/96		01/10/96		01/10/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
7429-90-5	Aluminum	347.		1250.		15300.		496.		20300.		279.	
7440-36-0	Antimony	0.13	UR	0.14	UR	0.4	UR	0.15	UR	0.54	UR	0.14	UR
7440-38-2	Arsenic	0.67		1.2		15.9		0.54	J	17.8		0.14	U
7440-39-3	Barium	0.56	J	1.1	J	10.1	J	0.61	J	13.1	J	0.5	J
7440-41-7	Beryllium	0.07	U	0.07	U	0.8	J	0.08	U	1.1	J	0.07	U
7440-43-9	Cadmium	0.13	U	0.21	U	1.9		0.22	U	1.9		0.21	U
7440-70-2	Calcium	102.	J	193.	J	2130.		113.	J	2730.		84.7	J
7440-47-3	Chromium	1.6		7.		116.		3.1		156.		1.5	
7440-48-4	Cobalt	0.19	J	0.27	J	2.7	J	0.22	U	2.8	J	0.21	U
7440-50-8	Copper	0.58	J	2.6		27.5		1.3	J	29.9		0.61	J
57-12-5	Cyanide (CN)	0.6	U	0.72	U	1.9	U	0.72	U	2.7	U	0.68	U
7439-89-6	Iron	697.		1990.		27400.		821.		33200.		400.	
7439-92-1	Lead	1.9		5.7		81.5		2.8		107.		1.4	
7439-95-4	Magnesium	172.	J	485.		6130.		251.	J	8400.		182.	J
7439-96-5	Manganese	1.4		10.		134.		3.3		214.		1.2	
7439-97-6	Mercury	0.05	U	0.06	U	0.17	U	0.07	U	0.27	U	0.06	U
7440-02-0	Nickel	0.59	U	0.85	U	8.5		0.9	U	10.8	J	0.86	U
7440-09-7	Potassium	56.7	J	189.	J	2480.		100.	J	3020.		77.1	J
7782-49-2	Selenium	0.26	U	0.21	U	1.		0.22	U	2.		0.21	U
7440-22-4	Silver	0.33	U	0.28	U	0.81	U	0.3	U	1.1	U	0.29	U
7440-23-5	Sodium	809.		1750.		16600.		1090.		26100.		1030.	
7440-28-0	Thallium	0.26	U	0.21	U	0.6	U	0.22	U	0.81	U	0.21	U
7440-62-2	Vanadium	1.1	J	2.9	J	33.6		1.6	J	44.1		1.	J
7440-66-6	Zinc	1.8	U	8.1		109.		2.8		135.		1.4	J

*** Validation Complete ***

METAL													
	SAMPLE ID ------->	040-M-Z235-01		040-M-Z236-01		040-M-Z237-01		040-M-Z238-01		040-M-Z239-01		040-M-Z240-01	
	ORIGINAL ID ----->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
	LAB SAMPLE ID --->	960002-02		960002-03		960093-04		960002-04		960002-05		960002-06	
	ID FROM REPORT -->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
	SAMPLE DATE ----->	01/02/96		01/02/96		02/05/96		01/02/96		01/02/96		01/02/96	
	DATE EXTRACTED -->	01/10/96		01/10/96		02/14/96		01/10/96		01/10/96		01/10/96	
	DATE ANALYZED --->	01/10/96		01/10/96		02/14/96		01/10/96		01/10/96		01/10/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	MZ2340	VAL	MZ2340	VAL	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
7429-90-5	Aluminum	1730.		1310.		212.		242.		645.		268.	
7440-36-0	Antimony	0.15	UR	0.17	UR	0.12	UR	0.13	UR	0.16	J	0.22	J
7440-38-2	Arsenic	1.2		1.1		0.27	J	0.15	J	0.59	J	0.17	J
7440-39-3	Barium	1.5	J	1.4	J	0.45	J	0.48	J	0.8	J	0.52	J
7440-41-7	Beryllium	0.08	J	0.09	U	0.06	U	0.07	U	0.07	U	0.07	U
7440-43-9	Cadmium	0.22	U	0.26	U	0.12	U	0.2	U	0.22	U	0.21	U
7440-70-2	Calcium	318.	J	614.		1500.		77.1	J	113.	J	133.	J
7440-47-3	Chromium	7.2		5.		1.1		1.4		3.9		1.6	
7440-48-4	Cobalt	0.27	J	0.26	U	0.12	U	0.2	U	0.22	U	0.21	U
7440-50-8	Copper	2.2		2.3		0.25	U	0.54	J	1.	J	0.57	J
57-12-5	Cyanide (CN)	0.73	U	0.82	U	0.61	U	0.62	U	0.69	U	0.68	U
7439-89-6	Iron	2280.		1800.		308.		265.		955.		303.	
7439-92-1	Lead	5.8		6.3		0.95		1.2		2.9		1.4	
7439-95-4	Magnesium	643.		760.		168.	J	160.	J	288.	J	177.	J
7439-96-5	Manganese	9.8		3.9		1.1		1.	J	6.8		1.	J
7439-97-6	Mercury	0.07	U	0.06	U	0.08	J	0.05	U	0.06	U	0.06	U
7440-02-0	Nickel	1.2	J	1.	U	0.55	U	0.81	U	0.87	U	0.85	U
7440-09-7	Potassium	249.	J	239.	J	63.8	J	70.5	J	125.	J	70.3	J
7782-49-2	Selenium	0.22	U	0.26	U	0.25	U	0.2	U	0.22	U	0.21	U
7440-22-4	Silver	0.3	U	0.35	U	0.31	U	0.27	U	0.29	U	0.28	U
7440-23-5	Sodium	2030.		2620.		1030.		931.		1200.		989.	
7440-28-0	Thallium	0.22	U	0.26	U	0.25	U	0.2	U	0.22	U	0.21	U
7440-62-2	Vanadium	3.8		3.8	J	0.58	J	0.8	J	1.6	J	0.86	J
7440-66-6	Zinc	8.9		6.4		1.1	U	1.2	J	4.		1.8	

*** Validation Complete ***

METAL																	
	SAMPLE ID ------->	040-M-Z241-01		040-M-Z242-01		040-M-Z243-01		040-M-Z244-01		040-M-Z245-01		040-M-Z246-01	
	ORIGINAL ID ----->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
	LAB SAMPLE ID --->	951050-09		951050-10		960093-05		951050-11		951050-12		951050-13	
	ID FROM REPORT -->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
	SAMPLE DATE ----->	12/14/95		12/14/95		02/05/96		12/14/95		12/14/95		12/14/95	
	DATE EXTRACTED -->	01/09/96		01/09/96		02/14/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	01/09/96		01/09/96		02/14/96		01/09/96		01/09/96		01/09/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	MZ1010	VAL	EMD060	VAL	EMD060	VAL	EMD060	VAL
7429-90-5	Aluminum	580.		198.		149.		25900.		19900.		285.	
7440-36-0	Antimony	0.13	UJ	0.14	UJ	0.13	UR	0.71	UJ	0.47	UJ	0.66	UJ
7440-38-2	Arsenic	0.64		0.14	U	0.14	J	21.8		19.5		0.41	J
7440-39-3	Barium	0.65	U	0.48	U	0.46	J	21.6	J	15.4	J	0.77	U
7440-41-7	Beryllium	0.06	U	0.07	U	0.07	U	1.1	J	0.87	J	0.07	U
7440-43-9	Cadmium	0.19	U	0.2	U	0.13	U	1.9		1.3		0.2	U
7440-70-2	Calcium	111.	J	84.3	J	1870.		2970.		2240.		1100.	
7440-47-3	Chromium	3.9		1.1		0.9		174.		137.		1.5	
7440-48-4	Cobalt	0.19	U	0.2	U	0.14	J	5.2	J	3.4	J	0.2	U
7440-50-8	Copper	1.3	J	0.27	U	0.3	J	37.4		30.2		0.38	J
57-12-5	Cyanide (CN)	0.61	U	0.63	U	0.61	U	3.2	U	2.3	U	0.6	U
7439-89-6	Iron	960.		331.		295.		34400.		30300.		469.	
7439-92-1	Lead	3.8		1.2	U	0.97		125.		108.		1.6	U
7439-95-4	Magnesium	310.	J	183.	J	189.	J	9520.		7300.		213.	J
7439-96-5	Manganese	4.6		0.72	J	0.6	J	249.		191.		1.6	
7439-97-6	Mercury	0.05	U	0.05	U	0.05	U	0.64	J	0.24	J	0.05	U
7440-02-0	Nickel	0.76	U	0.81	U	0.6	U	15.4		9.6		0.79	U
7440-09-7	Potassium	124.	J	71.2	U	71.9	J	3790.		2920.		84.	J
7782-49-2	Selenium	0.19	U	0.2	U	0.27	U	1.1	U	0.95	J	0.2	U
7440-22-4	Silver	0.25	U	0.27	U	0.34	U	1.4	U	0.93	U	0.26	U
7440-23-5	Sodium	1400.		1090.		1360.		31900.		21500.		1200.	
7440-28-0	Thallium	0.19	UJ	0.2	UJ	0.27	U	1.1	UJ	0.7	UJ	0.2	UJ
7440-62-2	Vanadium	1.6	J	0.64	J	0.58	J	54.4		45.4		0.94	J
7440-66-6	Zinc	5.6		1.7	U	0.86	U	146.		124.		1.9	U

*** Validation Complete ***

METAL																	
		SAMPLE ID ------->	040-M-Z247-01		040-M-Z248-01		040-M-Z249-01		040-M-Z250-01		040-M-Z251-01		040-M-Z252-01	
		ORIGINAL ID ----->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
		LAB SAMPLE ID --->	951050-14		951050-15		951050-16		960040-01		960093-06		960040-02	
		ID FROM REPORT -->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
		SAMPLE DATE ----->	12/14/95		12/14/95		12/14/95		01/17/96		02/05/96		01/17/96	
		DATE EXTRACTED -->	01/09/96		01/09/96		01/09/96		01/28/96		02/14/96		01/28/96	
		DATE ANALYZED --->	01/09/96		01/09/96		01/09/96		01/29/96		02/14/96		01/29/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		EMD060	VAL	EMD060	VAL	EMD060	VAL	Z25001	VAL	MZ1010	VAL	Z25001	VAL
7429-90-5	Aluminum		26200.		273.		250.		233.		155.		311.	
7440-36-0	Antimony		0.57	UJ	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UR	0.13	UJ
7440-38-2	Arsenic		19.9		0.16	J	0.3	J	0.23	J	0.13	U	0.17	J
7440-39-3	Barium		22.2	J	0.36	U	0.53	U	0.59	U	0.19	J	0.6	U
7440-41-7	Beryllium		1.1	J	0.06	U	0.06	U	0.07	U	0.07	U	0.06	U
7440-43-9	Cadmium		2.2		0.19	U	0.19	U	0.13	U	0.13	U	0.13	U
7440-70-2	Calcium		3770.		91.5	J	221.	J	99.2	J	90.6	J	1650.	J
7440-47-3	Chromium		169.		1.7		1.2		1.1		1.2		2.3	
7440-48-4	Cobalt		3.7	J	0.19	U	0.19	U	0.13	U	0.15	J	0.16	J
7440-50-8	Copper		37.		0.26	U	0.27	J	0.55	J	0.39	J	0.91	J
57-12-5	Cyanide (CN)		2.6	U	0.63	U	0.63	U	0.63	U	0.63	U	0.6	U
7439-89-6	Iron		33100.		437.		362.		246.		196.		529.	
7439-92-1	Lead		129.		1.8	U	1.8	U	1.4		1.3		2.5	
7439-95-4	Magnesium		8760.		222.	J	222.	J	176.	J	189.	J	227.	J
7439-96-5	Manganese		245.		3.2		1.3		1.1		0.85	J	7.	
7439-97-6	Mercury		0.28	J	0.05	U	0.05	U	0.05	U	0.06	U	0.05	U
7440-02-0	Nickel		12.5		0.77	U	0.76	U	0.6	U	0.59	U	0.63	J
7440-09-7	Potassium		3510.		84.3	J	82.8	J	80.5	U	78.	J	95.2	U
7782-49-2	Selenium		0.86	U	0.19	U	0.19	U	0.27	U	0.26	U	0.26	U
7440-22-4	Silver		1.1	U	0.26	U	0.25	U	0.33	U	0.33	U	0.32	U
7440-23-5	Sodium		26400.		1250.		1310.		1120.		1280.		1250.	
7440-28-0	Thallium		0.86	UJ	0.19	UJ	0.19	UJ	0.6	J	0.26	U	0.26	U
7440-62-2	Vanadium		54.2		0.86	J	0.75	J	0.85	J	0.71	J	0.85	J
7440-66-6	Zinc		147.		2.1	U	2.6	U	4.5		1.5	U	4.3	

*** Validation Complete ***

METAL																			
		SAMPLE ID ------->	040-M-Z253-01		040-M-Z254-01		040-M-Z255-01		040-M-Z256-01		040-M-Z257-01		040-M-Z301-01	
		ORIGINAL ID ----->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
		LAB SAMPLE ID --->	960040-03		960040-04		960040-05		960040-06		960040-07		950991-01	
		ID FROM REPORT -->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
		SAMPLE DATE ----->	01/17/96		01/17/96		01/17/96		01/17/96		01/17/96		11/29/95	
		DATE EXTRACTED -->	01/28/96		01/28/96		01/28/96		01/28/96		01/28/96		01/10/96	
		DATE ANALYZED --->	01/29/96		01/29/96		01/29/96		01/29/96		01/29/96		01/11/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z30301	VAL
7429-90-5	Aluminum		186.		589.		255.		296.		209.		248.	
7440-36-0	Antimony		0.12	UJ	0.14	UJ	0.13	UJ	0.13	UJ	0.12	UJ	0.14	UR
7440-38-2	Arsenic		0.12	UJ	0.36	J	0.2	J	0.13	UJ	0.12	UJ	0.26	J
7440-39-3	Barium		0.45	U	0.89	U	0.62	U	0.62	U	0.46	U	0.19	J
7440-41-7	Beryllium		0.06	U	0.07	U	0.07	U	0.07	U	0.06	U	0.07	U
7440-43-9	Cadmium		0.12	U	0.14	U	0.13	U	0.13	U	0.12	U	0.2	U
7440-70-2	Calcium		70.9	J	153.	J	566.	J	118.	J	109.	J	83.3	J
7440-47-3	Chromium		0.93		3.3		1.1		1.9		1.		1.2	J
7440-48-4	Cobalt		0.12	U	0.21	J	0.13	U	0.16	J	0.12	J	0.2	U
7440-50-8	Copper		0.46	J	1.3	J	0.6	J	0.87	J	0.49	J	1.1	J
57-12-5	Cyanide (CN)		0.61	U	0.62	U	0.63	U	0.62	U	0.59	U	0.62	U
7439-89-6	Iron		163.		785.		296.		444.		235.		266.	
7439-92-1	Lead		1.4		3.9		2.7		2.8		1.6		25.2	
7439-95-4	Magnesium		153.	J	283.	J	178.	J	200.	J	159.	J	173.	J
7439-96-5	Manganese		0.46	J	8.4		1.	J	4.2		0.9	J	1.4	
7439-97-6	Mercury		0.05	U	0.06	U	0.06	U	0.05	U	0.06	U	0.06	U
7440-02-0	Nickel		0.54	U	0.62	U	0.6	U	0.59	U	0.55	U	0.82	U
7440-09-7	Potassium		66.3	U	122.	J	77.2	U	84.7	U	67.7	U	57.7	J
7782-49-2	Selenium		0.24	U	0.28	U	0.27	U	0.26	U	0.24	U	0.2	U
7440-22-4	Silver		0.3	U	0.35	U	0.33	U	0.33	U	0.31	U	0.27	U
7440-23-5	Sodium		1010.		1370.		1070.		1100.		1010.		966.	
7440-28-0	Thallium		0.24	U	0.28	U	0.27	U	0.26	U	0.24	U	0.23	J
7440-62-2	Vanadium		0.4	J	1.4	J	0.61	J	0.77	J	0.52	J	0.51	J
7440-66-6	Zinc		4.4		9.7		5.9		7.5		2.6	U	2.1	J

*** Validation Complete ***

METAL															
		SAMPLE ID ------->	040-M-Z302-01		040-M-Z303-01		040-M-Z304-01		040-M-Z305-01		040-M-Z306-01		040-M-Z307-01		
		ORIGINAL ID ----->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701		
		LAB SAMPLE ID --->	950991-02		950991-03		950998-03		960093-08		950998-04		950991-04		
		ID FROM REPORT -->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701		
		SAMPLE DATE ----->	11/29/95		11/29/95		11/30/95		02/06/96		12/01/95		11/29/95		
		DATE EXTRACTED -->	01/10/96		01/10/96		01/13/96		02/14/96		01/13/96		01/10/96		
		DATE ANALYZED --->	01/11/96		01/11/96		01/14/96		02/14/96		01/14/96		01/11/96		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		
CAS #	Parameter		Z30301	VAL	Z30301	VAL	EM0040	VAL	MZ1010	VAL	EM0040	VAL	Z30301	VAL	
7429-90-5	Aluminum		17600.		233.		324.	J	163.		384.	J	9480.		
7440-36-0	Antimony		0.38	UR	0.13	UR	0.15	UJ	0.13	UR	0.14	UJ	0.45	J	
7440-38-2	Arsenic		10.5		0.24	J	0.36	J	0.19	J	0.37	J	5.6		
7440-39-3	Barium		12.9	J	0.4	J	1.3	J	0.22	J	0.41	J	7.4	J	
7440-41-7	Beryllium		0.74	J	0.06	U	0.08	U	0.06	U	0.07	U	0.39	J	
7440-43-9	Cadmium		2.5		0.19	U	0.27	J	0.13	U	0.21	UJ	1.5		
7440-70-2	Calcium		2370.		1760.		291.	J	433.		2530.		1140.		
7440-47-3	Chromium		137.	J	1.4	J	2.7		0.95		1.		73.1	J	
7440-48-4	Cobalt		2.4	J	0.19	U	0.46	J	0.13	U	0.21	U	1.1	J	
7440-50-8	Copper		27.5		0.85	J	5.3		11.		4.7	J	13.6		
57-12-5	Cyanide (CN)		1.9	U	0.59	U	0.71	U	0.58	U	0.67	U	1.1	U	
7439-89-6	Iron		22000.		318.		432.	J	195.		455.	J	10900.		
7439-92-1	Lead		113.		11.1		36.5	J	10.2		7.9	J	104.		
7439-95-4	Magnesium		5660.		175.	J	294.	J	135.	J	217.	J	2620.		
7439-96-5	Manganese		169.		4.5		1.8	J	0.5	J	2.9	J	77.1		
7439-97-6	Mercury		0.17	U	0.06	U	0.06	U	0.05	U	0.06	U	0.09	U	
7440-02-0	Nickel		7.1	J	0.77	U	0.92	U	0.58	U	0.85	U	5.		
7440-09-7	Potassium		2120.		66.	J	84.5	J	45.	J	42.2	J	993.		
7782-49-2	Selenium		1.4		0.19	U	0.23	UJ	0.26	U	0.21	UJ	0.52	J	
7440-22-4	Silver		0.76	U	0.26	U	0.31	UJ	0.32	U	0.28	UJ	0.46	U	
7440-23-5	Sodium		17700.		951.		1350.		839.		804.		6820.		
7440-28-0	Thallium		0.57	UJ	0.19	UJ	0.23	UJ	0.26	U	0.21	UJ	0.34	UJ	
7440-62-2	Vanadium		29.9		0.55	J	0.68	J	0.25	J	0.69	J	15.1		
7440-66-6	Zinc		105.		2.2	J	9.1	J	2.3	U	1.7	J	51.2		

*** Validation Complete ***

METAL																	
		SAMPLE ID ------->	040-M-Z308-01		040-M-Z309-01		040-M-Z310-01		040-M-Z311-01		040-M-Z312-01		040-M-Z313-01	
		ORIGINAL ID ----->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301	
		LAB SAMPLE ID --->	950998-05		950991-05		951005-01		950991-06		951005-02		950979-08	
		ID FROM REPORT -->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301	
		SAMPLE DATE ----->	12/01/95		11/29/95		12/01/95		11/29/95		12/01/95		11/27/95	
		DATE EXTRACTED -->	01/13/96		01/10/96		01/16/96		01/10/96		01/16/96		01/04/96	
		DATE ANALYZED --->	01/14/96		01/11/96		01/17/96		01/11/96		01/17/96		01/05/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		EM0040	VAL	Z30301	VAL	Z31001	VAL	Z30301	VAL	Z31001	VAL	041M10	VAL
7429-90-5	Aluminum		320.	J	299.		310.		417.		263.		566.	
7440-36-0	Antimony		0.68	UJ	0.14	UR	0.27	UR	0.13	UR	0.13	UR	0.14	UR
7440-38-2	Arsenic		0.4	J	0.14	U	0.35	U	0.3	J	0.27	U	0.42	J
7440-39-3	Barium		0.59	J	0.5	J	0.71	J	0.45	J	0.44	J	0.44	J
7440-41-7	Beryllium		0.07	U	0.07	U	0.08	U	0.07	U	0.07	U	0.07	U
7440-43-9	Cadmium		0.21	UJ	0.21	U	0.24	U	0.2	U	0.2	U	0.2	U
7440-70-2	Calcium		255.	J	517.		2090.		152.	J	698.		171.	J
7440-47-3	Chromium		2.1		1.4	J	2.	J	2.6	J	1.6	J	4.4	
7440-48-4	Cobalt		0.23	J	0.21	U	0.25	J	0.2	U	0.2	U	0.2	U
7440-50-8	Copper		4.4	J	1.3	J	2.1	J	1.3	J	1.4	J	1.6	J
57-12-5	Cyanide (CN)		0.66	U	0.61	U	0.74	U	0.65	U	0.62	U	0.64	U
7439-89-6	Iron		520.	J	367.		404.		552.		346.		911.	
7439-92-1	Lead		15.1	J	5.9		11.		3.9		9.1		4.5	
7439-95-4	Magnesium		233.	J	182.	J	244.	J	238.	J	178.	J	301.	J
7439-96-5	Manganese		2.9	J	10.7		2.8		8.5		4.4		6.3	
7439-97-6	Mercury		0.06	U	0.05	U	0.06	U	0.05	U	0.07	U	0.06	U
7440-02-0	Nickel		0.82	U	0.84	U	0.97	U	0.8	U	0.79	U	0.81	U
7440-09-7	Potassium		62.5	J	66.1	J	105.	J	101.	J	62.1	J	102.	J
7782-49-2	Selenium		0.21	UJ	0.21	U	0.24	U	0.2	U	0.2	U	0.2	UJ
7440-22-4	Silver		0.27	UJ	0.28	U	0.38	U	0.37	J	0.35	U	0.27	UJ
7440-23-5	Sodium		1040.		909.		1300.		1190.		810.		1270.	
7440-28-0	Thallium		0.34	J	0.21	UJ	0.38	J	0.2	UJ	0.2	UJ	0.2	UJ
7440-62-2	Vanadium		0.76	J	0.73	J	0.74	J	0.91	J	0.69	J	1.2	J
7440-66-6	Zinc		5.7	J	2.5	J	3.6		3.9		2.5		4.	

*** Validation Complete ***

METAL													
	SAMPLE ID ------->	040-M-Z314-01		040-M-Z315-01		040-M-Z316-01		040-M-Z317-01		040-M-Z318-01		040-M-Z319-01	
	ORIGINAL ID ----->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901	
	LAB SAMPLE ID --->	950998-06		950979-09		960040-09		950998-07		951005-03		950979-10	
	ID FROM REPORT -->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901	
	SAMPLE DATE ----->	12/01/95		11/27/95		01/23/96		12/01/95		12/01/95		11/27/95	
	DATE EXTRACTED -->	01/13/96		01/04/96		01/28/96		01/13/96		01/16/96		01/04/96	
	DATE ANALYZED --->	01/14/96		01/05/96		01/29/96		01/14/96		01/17/96		01/05/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	EM0040	VAL	041M10	VAL	Z25001	VAL	EM0040	VAL	Z31001	VAL	041M10	VAL
7429-90-5	Aluminum	214.	J	204.		247.		330.	J	227.		27400.	
7440-36-0	Antimony	0.13	UJ	0.13	UR	0.14	UJ	0.13	UJ	0.14	UR	0.67	UR
7440-38-2	Arsenic	0.18	J	0.13	U	0.14	UJ	0.19	J	0.16	U	17.5	
7440-39-3	Barium	0.06	UJ	0.23	J	0.61	U	0.35	J	0.28	J	21.6	J
7440-41-7	Beryllium	0.06	U	0.06	U	0.07	U	0.06	U	0.07	U	1.4	J
7440-43-9	Cadmium	0.2	J	0.19	U	0.14	U	0.19	UJ	0.2	U	7.1	
7440-70-2	Calcium	77.5	J	347.	J	1160.	J	1290.		852.		3670.	J
7440-47-3	Chromium	1.2		2.4		1.5		0.83		1.7	J	238.	
7440-48-4	Cobalt	0.19	U	0.19	U	0.16	J	0.19	U	0.2	U	5.3	J
7440-50-8	Copper	0.44	J	0.3	J	0.8	J	0.49	J	0.75	J	52.2	
57-12-5	Cyanide (CN)	0.63	U	0.62	U	0.63	U	0.62	U	0.67	U	3.3	U
7439-89-6	Iron	262.	J	378.		302.		546.	J	266.		38000.	
7439-92-1	Lead	4.5	J	2.4	J	3.1		2.8	J	2.4		134.	J
7439-95-4	Magnesium	159.	J	182.	J	195.	J	136.	J	184.	J	10100.	
7439-96-5	Manganese	1.	J	10.4		1.5		4.4		1.2		300.	
7439-97-6	Mercury	0.05	U	0.06	U	0.14		0.05	U	0.06	U	0.35	J
7440-02-0	Nickel	0.75	U	0.76	U	0.62	U	0.77	U	0.82	U	16.6	
7440-09-7	Potassium	44.6	J	49.	J	80.4	U	37.5	J	70.8	J	3900.	
7782-49-2	Selenium	0.19	UJ	0.19	UJ	0.28	U	0.19	UJ	0.21	U	2.1	J
7440-22-4	Silver	0.25	UJ	0.25	UJ	0.35	U	0.26	UJ	0.31	U	1.3	UJ
7440-23-5	Sodium	922.		935.		1200.		687.		1030.		33800.	
7440-28-0	Thallium	0.23	J	0.19	UJ	0.28	U	0.27	J	0.2	UJ	1.	UJ
7440-62-2	Vanadium	0.31	J	0.5	J	0.47	J	0.63	J	0.56	J	48.6	
7440-66-6	Zinc	1.5	J	2.		3.7		6.4	J	2.3		224.	

*** Validation Complete ***

METAL																	
	SAMPLE ID ------->	040-M-Z320-01		040-M-Z321-01		040-M-Z322-01		040-M-Z323-01		040-M-Z324-01		040-M-Z401-01	
	ORIGINAL ID ----->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101	
	LAB SAMPLE ID --->	950979-11		950979-12		950979-13		950979-14		950979-15		950922-20	
	ID FROM REPORT -->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101	
	SAMPLE DATE ----->	11/27/95		11/27/95		11/27/95		11/27/95		11/27/95		11/10/95	
	DATE EXTRACTED -->	01/04/96		01/04/96		01/04/96		01/04/96		01/04/96		12/05/95	
	DATE ANALYZED --->	01/05/96		01/05/96		01/05/96		01/05/96		01/05/96		12/05/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	Z61101	VAL
7429-90-5	Aluminum	1470.		281.		598.		14000.		520.		21700.	
7440-36-0	Antimony	0.16	UR	0.13	UR	0.15	J	0.42	J	0.14	U	0.66	UR
7440-38-2	Arsenic	1.5		0.23	J	0.54	J	11.3		0.47	J	15.3	
7440-39-3	Barium	1.2	J	0.26	J	0.68	J	12.8	J	1.1	J	18.3	J
7440-41-7	Beryllium	0.11	J	0.07	U	0.07	U	0.77	J	0.07	U	1.2	J
7440-43-9	Cadmium	0.51		0.2	U	0.2	U	3.6		0.2	U	5.1	
7440-70-2	Calcium	469.	J	709.	J	2800.	J	17500.	J	4050.	J	4930.	
7440-47-3	Chromium	14.8		2.4		5.4		130.		5.		177.	
7440-48-4	Cobalt	0.32	J	0.2	U	0.2	U	3.	J	0.2	U	3.5	J
7440-50-8	Copper	4.7		0.71	J	2.3		30.3		1.6	J	46.9	J
57-12-5	Cyanide (CN)	0.7	U	0.64	U	0.63	U	2.	U	0.65	U	3.3	U
7439-89-6	Iron	2760.		487.		1070.		23100.		990.		30900.	
7439-92-1	Lead	10.7	J	3.	J	6.1	J	82.1	J	11.	J	107.	
7439-95-4	Magnesium	722.		240.	J	365.		6000.		400.		9010.	
7439-96-5	Manganese	21.9		4.5		9.1		194.		11.9		235.	J
7439-97-6	Mercury	0.06	U	0.06	U	0.05	U	0.19	U	0.06	U	0.31	UJ
7440-02-0	Nickel	1.1	J	0.96	J	0.81	U	8.9		0.81	U	10.7	J
7440-09-7	Potassium	245.	J	70.6	J	127.	J	2310.		97.4	J	3460.	
7782-49-2	Selenium	0.36	J	0.2	UJ	0.2	UJ	1.6	J	0.2	UJ	1.9	
7440-22-4	Silver	0.31	UJ	0.27	UJ	0.27	UJ	0.85	UJ	0.27	UJ	1.3	U
7440-23-5	Sodium	2510.		1170.		1390.		18900.		1260.		31600.	
7440-28-0	Thallium	0.23	UJ	0.2	UJ	0.2	UJ	0.64	UJ	0.2	UJ	1.	U
7440-62-2	Vanadium	3.1	J	0.71	J	1.7	J	28.6		1.3	J	40.6	
7440-66-6	Zinc	16.9		2.8		7.9		128.		7.2		187.	J

*** Validation Complete ***

METAL													
	SAMPLE ID ------->	040-M-Z402-01		040-M-Z403-01		040-M-Z404-01		040-M-Z405-01		040-M-Z406-01		040-M-Z407-01	
	ORIGINAL ID ----->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
	LAB SAMPLE ID --->	950922-21		951005-04		950922-22		960040-10		951005-05		950922-23	
	ID FROM REPORT -->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
	SAMPLE DATE ----->	11/10/95		12/01/95		11/10/95		01/23/96		12/01/95		11/10/95	
	DATE EXTRACTED -->	12/05/95		01/16/96		12/05/95		01/28/96		01/16/96		12/05/95	
	DATE ANALYZED --->	12/05/95		01/17/96		12/05/95		01/29/96		01/17/96		12/05/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	Z61101	VAL	Z31001	VAL	Z61101	VAL	Z25001	VAL	Z31001	VAL	Z61101	VAL
7429-90-5	Aluminum	194.		285.		13600.		5360.		369.		812.	
7440-36-0	Antimony	0.14	UR	0.15	UR	0.45	UR	0.24	UJ	0.13	UR	0.16	UR
7440-38-2	Arsenic	0.14	U	0.26	U	9.7		3.4		0.3	U	0.69	J
7440-39-3	Barium	0.38	J	0.52	J	12.8	J	4.4	J	0.37	J	1.2	J
7440-41-7	Beryllium	0.07	U	0.07	U	0.8	J	0.26	J	0.07	U	0.08	U
7440-43-9	Cadmium	0.21	U	0.22	U	3.3		2.		0.2	U	0.49	
7440-70-2	Calcium	696.		1590.		4720.		821.	J	101.	J	690.	
7440-47-3	Chromium	1.4		2.3	J	120.		72.8		2.6	J	6.	
7440-48-4	Cobalt	0.21	U	0.22	U	2.9	J	1.3	J	0.2	U	0.24	U
7440-50-8	Copper	0.55	J	0.87	J	27.1	J	10.5		0.99	J	2.4	J
57-12-5	Cyanide (CN)	0.64	U	0.67	U	2.2	U	1.	U	0.62	U	0.71	U
7439-89-6	Iron	273.		407.		19300.		7880.		369.		1340.	
7439-92-1	Lead	1.2		2.		65.5		34.7		2.9		5.1	
7439-95-4	Magnesium	205.	J	189.	J	6040.		1920.		138.	J	456.	
7439-96-5	Manganese	4.7	J	7.4		174.	J	67.		3.4		8.9	J
7439-97-6	Mercury	0.06	UJ	0.05	U	0.18	UJ	0.09	U	0.05	U	0.06	UJ
7440-02-0	Nickel	0.83	U	0.88	U	5.	J	2.8	J	0.8	U	0.96	U
7440-09-7	Potassium	81.3	U	76.3	J	2410.		793.		52.7	J	187.	J
7782-49-2	Selenium	0.21	U	0.22	U	1.6		0.83		0.27	U	0.24	U
7440-22-4	Silver	0.28	U	0.35	U	0.89	U	0.6	U	0.27	U	0.32	U
7440-23-5	Sodium	1220.		1010.		22600.		6290.		619.		2070.	
7440-28-0	Thallium	0.21	U	0.22	UJ	0.98	J	0.48	U	0.2	UJ	0.24	U
7440-62-2	Vanadium	0.47	J	0.71	J	25.8		9.5		0.88	J	2.	J
7440-66-6	Zinc	2.6	J	3.4		111.	J	50.5		2.8		14.2	J

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

METAL													
	SAMPLE ID ------->	040-M-Z408-01		040-M-Z409-01		040-M-Z410-01		040-M-Z411-01		040-M-Z412-01		040-M-Z413-01	
	ORIGINAL ID ----->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
	LAB SAMPLE ID --->	950922-24		950991-07		951005-18		951005-19		951005-20		951005-21	
	ID FROM REPORT -->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
	SAMPLE DATE ----->	11/10/95		11/29/95		12/05/95		12/05/95		12/05/95		12/05/95	
	DATE EXTRACTED -->	12/05/95		01/10/96		01/16/96		01/16/96		01/16/96		01/16/96	
	DATE ANALYZED --->	12/05/95		01/11/96		01/17/96		01/17/96		01/17/96		01/17/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	Z61101	VAL	Z30301	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL
7429-90-5	Aluminum	3860.		222.		180.		634.		700.		667.	
7440-36-0	Antimony	0.22	UR	0.15	UR	0.65	UR	0.14	UR	0.13	UR	0.14	UR
7440-38-2	Arsenic	7.1		0.13	U	0.18	U	0.99	U	0.89	U	0.97	U
7440-39-3	Barium	4.5	J	0.32	J	0.36	J	0.87	J	0.9	J	0.84	J
7440-41-7	Beryllium	0.27	J	0.06	U	0.07	U	0.07	U	0.06	U	0.07	U
7440-43-9	Cadmium	1.8		0.19	U	0.2	U	0.35		0.32		0.4	
7440-70-2	Calcium	9200.		1550.		444.		1290.		319.		244.	J
7440-47-3	Chromium	43.6		1.9	J	1.7	J	9.		7.8	J	9.4	
7440-48-4	Cobalt	1.9	J	0.19	U	0.2	U	0.25	J	0.34	J	0.21	J
7440-50-8	Copper	11.9	J	0.47	J	0.52	J	3.3	J	2.8	J	3.1	J
57-12-5	Cyanide (CN)	1.	U	0.6	U	0.63	U	0.64	U	0.62	U	0.6	U
7439-89-6	Iron	7620.		270.		278.		1170.		1160.		1080.	
7439-92-1	Lead	37.3		1.5		1.5		6.2		5.7		6.1	
7439-95-4	Magnesium	1680.		185.	J	192.	J	351.		363.		336.	J
7439-96-5	Manganese	63.	J	7.8		5.9		13.3		13.7		9.2	
7439-97-6	Mercury	0.09	UJ	0.05	U	0.05	U	0.06	U	0.05	U	0.06	U
7440-02-0	Nickel	3.3	J	0.76	U	0.79	U	0.84	U	0.76	U	0.84	J
7440-09-7	Potassium	673.		62.2	J	64.8	J	136.	J	140.	J	134.	J
7782-49-2	Selenium	0.47	J	0.19	U	0.23	U	0.21	U	0.19	U	0.21	U
7440-22-4	Silver	0.44	U	0.25	U	0.26	U	0.28	U	0.25	U	0.27	U
7440-23-5	Sodium	5870.		1120.		1080.		1510.		1550.		1410.	
7440-28-0	Thallium	0.36	J	0.19	UJ	0.2	UJ	0.21	UJ	0.19	UJ	0.2	UJ
7440-62-2	Vanadium	9.5		0.47	J	0.53	J	1.7	J	1.7	J	1.8	J
7440-66-6	Zinc	77.4	J	2.	J	2.3		13.5		11.8		11.	

*** Validation Complete ***

METAL															
		SAMPLE ID ------->	040-M-Z414-01		040-M-Z415-01		040-M-Z416-01		040-M-Z417-01		040-M-Z418-01		040-M-Z419-01	
		ORIGINAL ID ----->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901	
		LAB SAMPLE ID --->	951005-10		960040-11		951005-06		951005-07		950998-08		950930-01	
		ID FROM REPORT -->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901	
		SAMPLE DATE ----->	12/04/95		01/23/96		12/01/95		12/01/95		12/01/95		11/10/95	
		DATE EXTRACTED -->	01/16/96		01/28/96		01/16/96		01/16/96		01/13/96		12/17/95	
		DATE ANALYZED --->	01/17/96		01/29/96		01/17/96		01/17/96		01/14/96		12/20/95	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		Z31001	VAL	Z25001	VAL	Z31001	VAL	Z31001	VAL	EM0040	VAL	Z41901	VAL
7429-90-5	Aluminum		829.		511.		195.		155.		199.	J	162.	
7440-36-0	Antimony		0.14	UR	0.14	UJ	0.14	UR	0.7	UR	0.14	UJ	0.13	UR
7440-38-2	Arsenic		0.81	U	0.45	J	0.25	U	0.15	U	0.24	J	0.32	J
7440-39-3	Barium		0.97	J	0.85	U	0.41	J	0.32	J	0.17	J	0.31	J
7440-41-7	Beryllium		0.07	U	0.07	U	0.07	U	0.07	U	0.07	U	0.06	U
7440-43-9	Cadmium		0.28	J	0.31	J	0.22	U	0.21	U	0.21	UJ	0.19	U
7440-70-2	Calcium		230.	J	199.	J	387.		263.	J	658.		181.	J
7440-47-3	Chromium		9.5		6.8		1.7	J	1.8	J	3.1		1.8	
7440-48-4	Cobalt		0.3	J	0.28	J	0.22	U	0.21	U	0.21	U	0.19	U
7440-50-8	Copper		3.2	J	2.2		0.69	J	0.84	J	0.9	J	1.1	J
57-12-5	Cyanide (CN)		0.64	U	0.67	U	0.65	U	0.62	U	0.67	U	0.64	U
7439-89-6	Iron		1230.		883.		281.		273.		318.	J	285.	
7439-92-1	Lead		6.2		4.5		1.5		1.4		2.2	J	1.7	J
7439-95-4	Magnesium		362.		338.	J	195.	J	151.	J	191.	J	210.	J
7439-96-5	Manganese		9.4		6.5		7.2		2.1		1.4	J	3.3	
7439-97-6	Mercury		0.05	U	0.06	U	0.1	U	0.06	U	0.06	U	0.24	
7440-02-0	Nickel		0.99	J	0.64	U	0.87	U	0.83	U	0.85	U	0.76	U
7440-09-7	Potassium		145.	J	140.	J	68.3	J	54.	J	62.8	J	81.7	J
7782-49-2	Selenium		0.27	U	0.29	U	0.22	U	0.21	U	0.21	UJ	0.19	U
7440-22-4	Silver		0.28	U	0.36	U	0.29	U	0.31	U	0.28	UJ	0.25	UJ
7440-23-5	Sodium		1450.		1790.		1150.		847.		1190.		1410.	
7440-28-0	Thallium		0.21	UJ	0.29	U	0.22	UJ	0.21	UJ	0.27	J	0.28	J
7440-62-2	Vanadium		1.9	J	1.3	J	0.51	J	0.49	J	0.37	J	0.48	J
7440-66-6	Zinc		12.8		12.5		2.5		2.3		2.4	J	3.9	

*** Validation Complete ***

METAL												
	SAMPLE ID ------->	040-M-Z420-01		040-M-Z421-01		040-M-Z422-01		040-M-Z423-01		040-M-Z424-01		
	ORIGINAL ID ----->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401		
	LAB SAMPLE ID --->	950930-02		950952-01		950952-02		950952-03		950952-04		
	ID FROM REPORT -->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401		
	SAMPLE DATE ----->	11/10/95		11/17/95		11/17/95		11/17/95		11/17/95		
	DATE EXTRACTED -->	12/17/95		12/27/95		12/27/95		12/27/95		12/27/95		
	DATE ANALYZED --->	12/20/95		12/27/95		12/27/95		12/27/95		12/27/95		
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		
CAS #	Parameter	Z41901	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL	
7429-90-5	Aluminum	158.		165.		142.		23.5		91.2		
7440-36-0	Antimony	0.14	UR	0.13	UR	0.14	J	0.13	UR	0.13	UR	
7440-38-2	Arsenic	0.35	J	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ	
7440-39-3	Barium	0.39	J	0.52	U	0.4	U	0.22	U	0.16	U	
7440-41-7	Beryllium	0.07	U	0.06	U	0.07	U	0.07	U	0.07	U	
7440-43-9	Cadmium	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U	
7440-70-2	Calcium	497.	J	607.	J	157.	J	51.5	J	262.	J	
7440-47-3	Chromium	2.1		1.8		1.5		0.53	U	0.62	J	
7440-48-4	Cobalt	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U	
7440-50-8	Copper	0.92	J	1.1	U	1.3	U	0.67	U	0.27	U	
57-12-5	Cyanide (CN)	0.65	U	0.61	U	0.66	U	0.61	U	0.63	U	
7439-89-6	Iron	309.		272.		218.		33.6		130.		
7439-92-1	Lead	2.9	J	1.4	J	1.7	J	0.59	UJ	1.1	UJ	
7439-95-4	Magnesium	219.	J	181.	J	173.	J	123.	J	138.	J	
7439-96-5	Manganese	5.3		4.9		2.5		0.19	J	1.4		
7439-97-6	Mercury	0.14		0.05	U	0.05	U	0.05	U	0.05	U	
7440-02-0	Nickel	0.81	U	0.88	J	0.79	U	0.95	J	0.8	U	
7440-09-7	Potassium	84.2	J	67.1	J	55.6	J	49.3	J	44.8	J	
7782-49-2	Selenium	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U	
7440-22-4	Silver	0.27	UJ	0.25	UJ	0.26	UJ	0.33	J	0.27	UJ	
7440-23-5	Sodium	1430.		1020.		1050.		935.		902.		
7440-28-0	Thallium	0.2	UJ	0.56	J	0.2	U	0.2	U	0.2	U	
7440-62-2	Vanadium	0.47	J	0.54	U	0.52	U	0.34	U	0.29	U	
7440-66-6	Zinc	3.	U	2.1	U	2.1	U	1.2	U	1.3	U	

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z101-01		040-M-Z102-01		040-M-Z103-01		040-M-Z104-01		040-M-Z105-01		040-M-Z106-01	
	ORIGINAL ID ----->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	LAB SAMPLE ID --->	960084-16		960084-17		960084-18		960084-04		960084-05		960084-06	
	ID FROM REPORT -->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	SAMPLE DATE ----->	02/05/96		02/05/96		02/05/96		02/01/96		02/01/96		02/01/96	
	DATE EXTRACTED -->	02/11/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
	DATE ANALYZED --->	03/09/96		03/09/96		03/09/96		03/08/96		03/08/96		03/08/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
319-84-6	alpha-BHC	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
319-85-7	beta-BHC	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
319-86-8	delta-BHC	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
58-89-9	gamma-BHC (Lindane)	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	1.3	DJ
76-44-8	Heptachlor	1.2	U	1.	U	0.96	U	0.81	DJ	2.7	U	3.6	U
309-00-2	Aldrin	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
1024-57-3	Heptachlor epoxide	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
959-98-8	Endosulfan I	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
60-57-1	Dieldrin	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
72-55-9	4,4'-DDE	2.4	U	2.1	U	2.	U	0.99	DJ	3.1	DJ	3.4	DJ
72-20-8	Endrin	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
33213-65-9	Endosulfan II	2.4	U	2.1	U	2.	U	3.	U	1.3	DJ	7.3	U
72-54-8	4,4'-DDD	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
1031-07-8	Endosulfan sulfate	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
50-29-3	4,4'-DDT	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
72-43-5	Methoxychlor	12.	U	10.	U	9.6	U	15.	U	27.	U	36.	U
53494-70-5	Endrin ketone	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
7421-93-4	Endrin aldehyde	2.4	U	2.1	U	2.	U	3.	U	5.6	U	7.3	U
5103-71-9	alpha-Chlordane	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
5103-74-2	gamma-Chlordane	1.2	U	1.	U	0.96	U	1.5	U	2.7	U	3.6	U
8001-35-2	Toxaphene	240.	U	210.	U	200.	U	300.	U	560.	U	730.	U
12674-11-2	Aroclor-1016	24.	U	21.	U	20.	U	30.	U	56.	U	73.	U
11104-28-2	Aroclor-1221	47.	U	41.	U	38.	U	58.	U	110.	U	140.	U
11141-16-5	Aroclor-1232	24.	U	21.	U	20.	U	30.	U	56.	U	73.	U
53469-21-9	Aroclor-1242	24.	U	21.	U	20.	U	30.	U	56.	U	73.	U
12672-29-6	Aroclor-1248	24.	U	21.	U	20.	U	30.	U	56.	U	73.	U
11097-69-1	Aroclor-1254	24.	U	21.	U	20.	U	30.	U	56.	U	73.	U
11096-82-5	Aroclor-1260	5.4	DJ	21.	U	20.	U	14.	DJ	39.	DJ	39.	DJ

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z107-01		040-M-Z108-01		040-M-Z109-01		040-M-Z110-01		040-M-Z111-01		040-M-Z112-01	
	ORIGINAL ID ----->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	LAB SAMPLE ID --->	960084-07		960084-08		960084-09		960084-10		960084-11		960084-12	
	ID FROM REPORT -->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	SAMPLE DATE ----->	02/01/96		02/01/96		02/01/96		02/01/96		02/01/96		02/01/96	
	DATE EXTRACTED -->	02/11/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
	DATE ANALYZED --->	03/08/96		03/08/96		03/08/96		03/08/96		03/08/96		03/08/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
319-84-6	alpha-BHC	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
319-85-7	beta-BHC	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
319-86-8	delta-BHC	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
58-89-9	gamma-BHC (Lindane)	1.	DJ	1.1	U	1.2	DJ	1.	U	1.	U	4.3	U
76-44-8	Heptachlor	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
309-00-2	Aldrin	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
1024-57-3	Heptachlor epoxide	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
959-98-8	Endosulfan I	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
60-57-1	Dieldrin	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
72-55-9	4,4'-DDE	4.	DJ	2.2	U	4.4	DJ	2.1	U	2.1	U	2.3	DJ
72-20-8	Endrin	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
33213-65-9	Endosulfan II	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
72-54-8	4,4'-DDD	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
1031-07-8	Endosulfan sulfate	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
50-29-3	4,4'-DDT	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
72-43-5	Methoxychlor	32.	U	11.	U	33.	U	10.	U	10.	U	43.	U
53494-70-5	Endrin ketone	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
7421-93-4	Endrin aldehyde	6.5	U	2.2	U	6.8	U	2.1	U	2.1	U	8.9	U
5103-71-9	alpha-Chlordane	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
5103-74-2	gamma-Chlordane	3.2	U	1.1	U	3.3	U	1.	U	1.	U	4.3	U
8001-35-2	Toxaphene	650.	U	220.	U	680.	U	210.	U	210.	U	890.	U
12674-11-2	Aroclor-1016	65.	U	22.	U	68.	U	21.	U	21.	U	89.	U
11104-28-2	Aroclor-1221	130.	U	43.	U	130.	U	41.	U	40.	U	170.	U
11141-16-5	Aroclor-1232	65.	U	22.	U	68.	U	21.	U	21.	U	89.	U
53469-21-9	Aroclor-1242	65.	U	22.	U	68.	U	21.	U	21.	U	89.	U
12672-29-6	Aroclor-1248	65.	U	22.	U	68.	U	21.	U	21.	U	89.	U
11097-69-1	Aroclor-1254	65.	U	22.	U	68.	U	21.	U	21.	U	89.	U
11096-82-5	Aroclor-1260	38.	DJ	8.3	DJ	38.	DJ	21.	U	21.	U	39.	DJ

*** Validation Complete ***

PEST																	
	SAMPLE ID ------->	040-M-Z113-01		040-M-Z114-01		040-M-Z115-01		040-M-Z116-01		040-M-Z117-01		040-M-Z118-01	
	ORIGINAL ID ----->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
	LAB SAMPLE ID --->	960084-13		960065-12		960065-13		960065-14		960065-15		960065-16	
	ID FROM REPORT -->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
	SAMPLE DATE ----->	02/01/96		01/26/96		01/26/96		01/26/96		01/26/96		01/26/96	
	DATE EXTRACTED -->	02/11/96		02/03/96		02/03/96		02/03/96		02/03/96		02/03/96	
	DATE ANALYZED --->	03/08/96		02/21/96		02/21/96		02/22/96		02/22/96		02/21/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
319-84-6	alpha-BHC	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
319-85-7	beta-BHC	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
319-86-8	delta-BHC	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
58-89-9	gamma-BHC (Lindane)	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
76-44-8	Heptachlor	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
309-00-2	Aldrin	1.3	U	0.41	U	0.45	J	0.3	U	0.11	U	0.1	U
1024-57-3	Heptachlor epoxide	1.3	U	0.41	U	0.32	J	0.3	U	0.11	U	0.11	
959-98-8	Endosulfan I	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
60-57-1	Dieldrin	2.7	U	0.84	U	0.9	J	0.98		0.22	U	0.21	U
72-55-9	4,4'-DDE	2.7	U	1.5	J	2.1	J	1.5	J	0.22	U	0.21	U
72-20-8	Endrin	2.7	U	0.84	U	0.51	UR	0.62	U	0.22	U	0.21	U
33213-65-9	Endosulfan II	2.7	U	0.84	U	0.51	UR	0.62	U	0.22	U	0.21	U
72-54-8	4,4'-DDD	2.7	U	0.84	U	0.51	UR	0.62	U	0.22	U	0.21	U
1031-07-8	Endosulfan sulfate	2.7	U	0.84	U	0.51	UR	0.62	U	0.22	U	0.21	U
50-29-3	4,4'-DDT	2.7	U	0.84	UJ	0.51	UR	0.62	UJ	0.22	UJ	0.21	UJ
72-43-5	Methoxychlor	13.	U	4.1	UJ	2.5	UR	3.	UJ	1.1	UJ	1.	UJ
53494-70-5	Endrin ketone	2.7	U	0.84	U	0.51	UR	0.62	U	0.22	U	0.21	U
7421-93-4	Endrin aldehyde	2.7	U	0.84	U	0.51	UR	0.62	U	0.22	U	0.21	U
5103-71-9	alpha-Chlordane	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
5103-74-2	gamma-Chlordane	1.3	U	0.41	U	0.25	UR	0.3	U	0.11	U	0.1	U
8001-35-2	Toxaphene	270.	U	84.	U	51.	UR	62.	U	22.	U	21.	U
12674-11-2	Aroclor-1016	27.	U	8.4	U	5.1	UR	6.2	U	2.2	U	2.1	U
11104-28-2	Aroclor-1221	52.	U	16.	U	9.9	UR	12.	U	4.2	U	4.1	U
11141-16-5	Aroclor-1232	27.	U	8.4	U	5.1	UR	6.2	U	2.2	U	2.1	U
53469-21-9	Aroclor-1242	27.	U	8.4	U	5.1	UR	6.2	U	2.2	U	2.1	U
12672-29-6	Aroclor-1248	27.	U	8.4	U	5.1	UR	6.2	U	2.2	U	2.1	U
11097-69-1	Aroclor-1254	27.	U	8.4	U	5.1	UR	6.2	U	2.2	U	2.1	U
11096-82-5	Aroclor-1260	9.7	DJ	9.8		12.	J	14.		0.9	J	0.4	J

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z119-01		040-M-Z120-01		040-M-Z121-01		040-M-Z122-01		040-M-Z123-01		040-M-Z124-01	
	ORIGINAL ID ----->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
	LAB SAMPLE ID --->	960065-17		960065-18		960065-19		960065-03		960065-04		960065-05	
	ID FROM REPORT -->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
	SAMPLE DATE ----->	01/26/96		01/26/96		01/26/96		01/25/96		01/25/96		01/25/96	
	DATE EXTRACTED -->	02/03/96		02/03/96		02/03/96		02/03/96		02/03/96		02/03/96	
	DATE ANALYZED --->	02/22/96		02/22/96		02/21/96		02/21/96		02/22/96		02/22/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
319-84-6	alpha-BHC	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
319-85-7	beta-BHC	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
319-86-8	delta-BHC	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
58-89-9	gamma-BHC (Lindane)	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
76-44-8	Heptachlor	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
309-00-2	Aldrin	0.59	J	1.8	J	0.1	U	0.51	U	0.095	U	0.1	U
1024-57-3	Heptachlor epoxide	0.43	U	0.34	UR	0.1	U	1.		0.095	U	0.1	U
959-98-8	Endosulfan I	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
60-57-1	Dieldrin	1.4	J	1.2	J	0.21	U	1.7	J	0.19	U	0.21	U
72-55-9	4,4'-DDE	1.6	J	0.7	UR	0.21	U	2.7	J	0.19	U	0.21	U
72-20-8	Endrin	0.88	U	0.7	UR	0.21	U	1.1	U	0.19	U	0.21	U
33213-65-9	Endosulfan II	0.88	U	0.7	UR	0.21	U	1.1	U	0.19	U	0.21	U
72-54-8	4,4'-DDD	0.88	U	0.7	UR	0.21	U	1.1	U	0.19	U	0.21	U
1031-07-8	Endosulfan sulfate	0.88	U	0.7	UR	0.21	U	1.1	U	0.19	U	0.21	U
50-29-3	4,4'-DDT	0.88	UJ	0.7	UR	0.21	UJ	1.1	UJ	0.19	UJ	0.21	UJ
72-43-5	Methoxychlor	4.3	UJ	3.4	UR	1.	UJ	5.1	UJ	0.95	UJ	1.	UJ
53494-70-5	Endrin ketone	0.88	U	0.7	UR	0.21	U	1.1	U	0.19	U	0.21	U
7421-93-4	Endrin aldehyde	0.88	U	0.7	UR	0.21	U	1.1	U	0.19	U	0.21	U
5103-71-9	alpha-Chlordane	0.43	U	0.34	UR	0.1	U	0.51	U	0.095	U	0.1	U
5103-74-2	gamma-Chlordane	0.43	U	0.41	J	0.1	U	0.51	U	0.095	U	0.1	U
8001-35-2	Toxaphene	88.	U	70.	UR	21.	U	110.	U	19.	U	21.	U
12674-11-2	Aroclor-1016	8.8	U	7.	UR	2.1	U	11.	U	1.9	U	2.1	U
11104-28-2	Aroclor-1221	17.	U	14.	UR	4.	U	20.	U	3.8	U	4.1	U
11141-16-5	Aroclor-1232	8.8	U	7.	UR	2.1	U	11.	U	1.9	U	2.1	U
53469-21-9	Aroclor-1242	8.8	U	7.	UR	2.1	U	11.	U	1.9	U	2.1	U
12672-29-6	Aroclor-1248	8.8	U	7.	UR	2.1	U	11.	U	1.9	U	2.1	U
11097-69-1	Aroclor-1254	8.8	U	7.	UR	2.1	U	11.	U	1.9	U	2.1	U
11096-82-5	Aroclor-1260	21.		17.	J	2.1	U	28.		1.2	J	0.47	J

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z125-01		040-M-Z126-01		040-M-Z127-01		040-M-Z128-01		040-M-Z129-01		040-M-Z130-01	
	ORIGINAL ID ----->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
	LAB SAMPLE ID --->	960065-06		960065-07		960065-08		960065-09		960065-10		960040-12	
	ID FROM REPORT -->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
	SAMPLE DATE ----->	01/25/96		01/25/96		01/25/96		01/25/96		01/25/96		01/24/96	
	DATE EXTRACTED -->	02/03/96		02/03/96		02/03/96		02/03/96		02/03/96		01/28/96	
	DATE ANALYZED --->	02/22/96		02/22/96		02/21/96		02/21/96		02/22/96		02/10/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	Z25001	VAL
319-84-6	alpha-BHC	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
319-85-7	beta-BHC	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
319-86-8	delta-BHC	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	UJ
58-89-9	gamma-BHC (Lindane)	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.73	J
76-44-8	Heptachlor	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
309-00-2	Aldrin	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
1024-57-3	Heptachlor epoxide	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
959-98-8	Endosulfan I	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
60-57-1	Dieldrin	0.21	U	0.22	U	0.21	U	0.21	U	1.2	J	0.76	U
72-55-9	4,4'-DDE	0.21	U	0.22	U	0.21	U	0.21	U	1.2	J	2.	J
72-20-8	Endrin	0.21	U	0.22	U	0.21	U	0.21	U	0.99	U	0.76	U
33213-65-9	Endosulfan II	0.21	U	0.22	U	0.21	U	0.21	U	0.99	U	0.76	U
72-54-8	4,4'-DDD	0.21	U	0.22	U	0.21	U	0.21	U	0.99	U	0.76	U
1031-07-8	Endosulfan sulfate	0.21	U	0.22	U	0.21	U	0.21	U	0.99	U	0.76	U
50-29-3	4,4'-DDT	0.21	UJ	0.22	UJ	0.21	UJ	0.21	UJ	0.99	UJ	0.76	U
72-43-5	Methoxychlor	1.	UJ	1.1	UJ	1.	UJ	1.	UJ	4.8	UJ	3.7	U
53494-70-5	Endrin ketone	0.21	U	0.22	U	0.21	U	0.21	U	0.99	U	0.76	U
7421-93-4	Endrin aldehyde	0.21	U	0.22	U	0.21	U	0.21	U	0.99	U	0.76	U
5103-71-9	alpha-Chlordane	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
5103-74-2	gamma-Chlordane	0.1	U	0.11	U	0.1	U	0.1	U	0.48	U	0.37	U
8001-35-2	Toxaphene	21.	U	22.	U	21.	U	21.	U	99.	U	76.	U
12674-11-2	Aroclor-1016	2.1	U	2.2	U	2.1	U	2.1	U	9.9	U	7.6	U
11104-28-2	Aroclor-1221	4.1	U	4.2	U	4.1	U	4.1	U	19.	U	15.	U
11141-16-5	Aroclor-1232	2.1	U	2.2	U	2.1	U	2.1	U	9.9	U	7.6	U
53469-21-9	Aroclor-1242	2.1	U	2.2	U	2.1	U	2.1	U	9.9	U	7.6	U
12672-29-6	Aroclor-1248	2.1	U	2.2	U	2.1	U	2.1	U	9.9	U	7.6	U
11097-69-1	Aroclor-1254	2.1	U	2.2	U	2.1	U	2.1	U	9.9	U	7.6	U
11096-82-5	Aroclor-1260	0.2	J	1.2	J	2.1	U	2.1	U	20.		23.	

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z131-01		040-M-Z132-01		040-M-Z133-01		040-M-Z134-01		040-M-Z135-01		040-M-Z136-01	
	ORIGINAL ID ----->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
	LAB SAMPLE ID --->	960040-13		960040-14		960040-15		960084-19		960040-16		960040-17	
	ID FROM REPORT -->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
	SAMPLE DATE ----->	01/24/96		01/24/96		01/24/96		02/05/96		01/24/96		01/24/96	
	DATE EXTRACTED -->	01/28/96		01/28/96		01/28/96		02/11/96		01/28/96		01/28/96	
	DATE ANALYZED --->	02/10/96		02/10/96		02/10/96		03/09/96		02/10/96		02/12/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z25001	VAL	MZ6020	VAL	Z25001	VAL	Z25001	VAL
319-84-6	alpha-BHC	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	1.3	J
319-85-7	beta-BHC	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	0.59	U
319-86-8	delta-BHC	0.1	UJ	0.1	UJ	0.1	UJ	1.	U	0.1	UJ	0.59	UJ
58-89-9	gamma-BHC (Lindane)	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	1.2	J
76-44-8	Heptachlor	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	0.59	U
309-00-2	Aldrin	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	0.59	U
1024-57-3	Heptachlor epoxide	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	0.59	U
959-98-8	Endosulfan I	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	0.59	U
60-57-1	Dieldrin	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
72-55-9	4,4'-DDE	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
72-20-8	Endrin	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
33213-65-9	Endosulfan II	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
72-54-8	4,4'-DDD	0.21	U	0.21	U	0.21	U	2.1	U	1.6		1.2	U
1031-07-8	Endosulfan sulfate	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
50-29-3	4,4'-DDT	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
72-43-5	Methoxychlor	1.	U	1.	U	1.	U	10.	U	1.	U	5.9	U
53494-70-5	Endrin ketone	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
7421-93-4	Endrin aldehyde	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	1.2	U
5103-71-9	alpha-Chlordane	0.1	U	0.15	J	0.12	J	1.	U	0.12	J	1.1	J
5103-74-2	gamma-Chlordane	0.1	U	0.1	U	0.1	U	1.	U	0.1	U	0.59	U
8001-35-2	Toxaphene	21.	U	21.	U	21.	U	210.	U	21.	U	120.	U
12674-11-2	Aroclor-1016	2.1	U	2.1	U	2.1	U	21.	U	2.1	U	12.	U
11104-28-2	Aroclor-1221	4.1	U	4.	U	4.1	U	41.	U	4.	U	23.	U
11141-16-5	Aroclor-1232	2.1	U	2.1	U	2.1	U	21.	U	2.1	U	12.	U
53469-21-9	Aroclor-1242	2.1	U	2.1	U	2.1	U	21.	U	2.1	U	12.	U
12672-29-6	Aroclor-1248	2.1	U	2.1	U	2.1	U	21.	U	2.1	U	12.	U
11097-69-1	Aroclor-1254	2.1	U	2.1	U	2.1	U	21.	U	2.1	U	12.	U
11096-82-5	Aroclor-1260	2.1	U	0.69	J	1.3	J	21.	U	1.	J	28.	

*** Validation Complete ***

PEST															
	SAMPLE ID ------->	040-M-Z137-01		040-M-Z138-01		040-M-Z201-01		040-M-Z202-01		040-M-Z203-01		040-M-Z204-01	
	ORIGINAL ID ----->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401	
	LAB SAMPLE ID --->	960040-18		960040-19		960010-17		960010-18		960010-19		960010-20	
	ID FROM REPORT -->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401	
	SAMPLE DATE ----->	01/24/96		01/24/96		01/12/96		01/12/96		01/12/96		01/12/96	
	DATE EXTRACTED -->	01/28/96		01/28/96		01/16/96		01/16/96		01/16/96		01/16/96	
	DATE ANALYZED --->	02/12/96		02/10/96		02/02/96		02/02/96		02/02/96		02/02/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL
319-84-6	alpha-BHC	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
319-85-7	beta-BHC	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
319-86-8	delta-BHC	0.48	UJ	0.1	UJ	0.11	UJ	0.1	UJ	0.11	UJ	0.11	UJ
58-89-9	gamma-BHC (Lindane)	1.1	J	0.1	U	0.11	U	0.1	U	0.11	U	0.11	J
76-44-8	Heptachlor	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
309-00-2	Aldrin	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
1024-57-3	Heptachlor epoxide	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
959-98-8	Endosulfan I	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
60-57-1	Dieldrin	0.98	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
72-55-9	4,4'-DDE	0.98	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
72-20-8	Endrin	0.98	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
33213-65-9	Endosulfan II	0.98	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
72-54-8	4,4'-DDD	0.98	U	0.21	U	0.21	UJ	0.21	UJ	0.22	UJ	0.21	UJ
1031-07-8	Endosulfan sulfate	0.98	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
50-29-3	4,4'-DDT	0.98	U	0.21	U	0.21	UJ	0.21	UJ	0.22	UJ	0.21	UJ
72-43-5	Methoxychlor	4.8	U	1.	U	1.1	U	1.	U	1.1	U	1.1	U
53494-70-5	Endrin ketone	0.98	U	0.21	U	0.21	U	0.21	U	0.22	U	0.21	U
7421-93-4	Endrin aldehyde	0.98	U	0.21	U	0.21	UJ	0.21	UJ	0.22	UJ	0.21	UJ
5103-71-9	alpha-Chlordane	1.6	J	0.1	J	0.11	U	0.1	U	0.11	U	0.11	U
5103-74-2	gamma-Chlordane	0.48	U	0.1	U	0.11	U	0.1	U	0.11	U	0.11	U
8001-35-2	Toxaphene	98.	U	21.	U	22.	U	21.	U	22.	U	22.	U
12674-11-2	Aroclor-1016	9.8	U	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U
11104-28-2	Aroclor-1221	19.	U	4.	U	4.3	U	4.1	U	4.3	U	4.3	U
11141-16-5	Aroclor-1232	9.8	U	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U
53469-21-9	Aroclor-1242	9.8	U	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U
12672-29-6	Aroclor-1248	9.8	U	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U
11097-69-1	Aroclor-1254	9.8	U	2.1	U	2.1	U	2.1	U	2.2	U	2.1	U
11096-82-5	Aroclor-1260	34.		2.1	U	2.1	U	2.1	U	2.2	U	2.1	U

*** Validation Complete ***

PEST															
	SAMPLE ID ------->	040-M-Z205-01		040-M-Z206-01		040-M-Z207-01		040-M-Z208-01		040-M-Z209-01		040-M-Z210-01	
	ORIGINAL ID ----->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
	LAB SAMPLE ID --->	960084-20		960015-01		960015-02		960005-12		960005-11		960015-03	
	ID FROM REPORT -->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
	SAMPLE DATE ----->	02/05/96		01/12/96		01/12/96		01/05/96		01/05/96		01/12/96	
	DATE EXTRACTED -->	02/11/96		01/16/96		01/16/96		01/10/96		01/10/96		01/16/96	
	DATE ANALYZED --->	03/09/96		01/30/96		01/27/96		02/05/96		02/05/96		01/30/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	Z20601	VAL	Z20601	VAL	Z22401	VAL	Z22401	VAL	Z20601	VAL
319-84-6	alpha-BHC	4.8	U	0.49	UJ	0.11	UJ	0.1	UJ	0.15	J	0.1	UJ
319-85-7	beta-BHC	4.8	U	0.49	U	0.19	J	0.1	U	0.1	U	0.1	U
319-86-8	delta-BHC	4.8	U	0.49	U	0.11	U	0.1	U	0.1	U	0.1	U
58-89-9	gamma-BHC (Lindane)	2.3	DJ	0.49	U	0.18	J	0.1	U	0.12	J	0.1	U
76-44-8	Heptachlor	4.8	U	0.49	U	0.11	U	0.1	U	0.1	U	0.1	U
309-00-2	Aldrin	4.8	U	0.83	J	0.11	U	0.1	U	0.1	U	0.1	U
1024-57-3	Heptachlor epoxide	4.8	U	0.49	U	0.11	U	0.1	U	0.1	U	0.1	U
959-98-8	Endosulfan I	4.8	U	0.49	U	0.11	U	0.1	U	0.1	U	0.1	U
60-57-1	Dieldrin	9.8	U	0.98	U	0.22	U	0.21	U	0.21	U	0.21	U
72-55-9	4,4'-DDE	2.6	DJ	2.	J	0.22	U	0.21	U	0.21	U	0.21	U
72-20-8	Endrin	9.8	U	0.98	U	0.22	U	0.21	U	0.21	U	0.21	U
33213-65-9	Endosulfan II	9.8	U	0.98	U	0.22	U	0.21	U	0.21	U	0.21	U
72-54-8	4,4'-DDD	9.8	U	0.98	U	0.22	U	0.37	J	0.26	J	0.26	J
1031-07-8	Endosulfan sulfate	9.8	U	0.98	U	0.22	U	0.21	U	0.21	U	0.21	U
50-29-3	4,4'-DDT	9.8	U	0.98	U	0.22	U	0.21	J	0.27	J	0.21	U
72-43-5	Methoxychlor	48.	U	4.9	U	1.1	U	1.9	J	1.	U	1.	U
53494-70-5	Endrin ketone	9.8	U	0.98	U	0.22	U	0.21	U	0.21	U	0.21	U
7421-93-4	Endrin aldehyde	9.8	U	0.98	U	0.22	U	0.21	U	0.21	U	0.21	U
5103-71-9	alpha-Chlordane	4.8	U	0.49	U	0.11	U	0.1	U	0.1	U	0.1	U
5103-74-2	gamma-Chlordane	4.8	U	0.49	U	0.11	U	0.1	U	0.1	U	0.1	U
8001-35-2	Toxaphene	980.	U	100.	U	22.	U	21.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	98.	U	9.8	U	2.2	U	2.1	U	2.1	U	2.1	U
11104-28-2	Aroclor-1221	190.	U	20.	U	4.4	U	4.	U	4.	U	4.2	U
11141-16-5	Aroclor-1232	98.	U	9.8	U	2.2	U	2.1	U	2.1	U	2.1	U
53469-21-9	Aroclor-1242	98.	U	9.8	U	2.2	U	2.1	U	2.1	U	2.1	U
12672-29-6	Aroclor-1248	98.	U	9.8	U	2.2	U	2.1	U	2.1	U	2.1	U
11097-69-1	Aroclor-1254	98.	U	9.8	U	2.2	U	2.1	U	2.1	U	2.1	U
11096-82-5	Aroclor-1260	63.	DJ	27.		2.2	U	2.1	U	1.6	J	3.9	

*** Validation Complete ***

PEST															
	SAMPLE ID ------->	040-M-Z211-01		040-M-Z212-01		040-M-Z213-01		040-M-Z214-01		040-M-Z215-01		040-M-Z216-01	
	ORIGINAL ID ----->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
	LAB SAMPLE ID --->	960093-01		960015-04		960010-11		960010-12		960010-13		960005-06	
	ID FROM REPORT -->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
	SAMPLE DATE ----->	02/05/96		01/12/96		01/11/96		01/11/96		01/11/96		01/04/96	
	DATE EXTRACTED -->	02/12/96		01/16/96		01/14/96		01/14/96		01/14/96		01/10/96	
	DATE ANALYZED --->	03/12/96		01/30/96		02/02/96		02/02/96		02/02/96		02/05/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	Z20601	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z22401	VAL
319-84-6	alpha-BHC	0.11	U	0.11	UJ	0.1	U	0.33	U	0.23	U	0.11	UJ
319-85-7	beta-BHC	0.11	U	0.11	U	0.1	U	0.33	U	0.23	U	0.11	U
319-86-8	delta-BHC	0.11	U	0.11	U	0.1	UJ	0.33	UJ	0.23	UJ	0.11	U
58-89-9	gamma-BHC (Lindane)	0.11	U	0.11	U	0.1	U	1.4	J	1.8	J	0.11	U
76-44-8	Heptachlor	0.11	U	0.11	U	0.1	U	0.33	U	0.23	U	0.11	U
309-00-2	Aldrin	0.11	U	0.11	U	0.1	U	0.33	U	0.23	U	0.11	U
1024-57-3	Heptachlor epoxide	0.11	U	0.11	U	0.1	U	0.33	U	0.23	U	0.11	U
959-98-8	Endosulfan I	0.11	U	0.11	U	0.1	U	0.33	U	0.23	U	0.11	U
60-57-1	Dieldrin	0.23	U	0.23	U	0.21	U	0.66	U	0.47	U	0.11	J
72-55-9	4,4'-DDE	0.48	J	0.8		0.21	U	5.8		4.4		0.68	J
72-20-8	Endrin	0.23	U	0.23	U	0.21	U	0.66	U	0.47	U	0.14	J
33213-65-9	Endosulfan II	0.23	U	0.23	U	0.21	U	0.63	J	0.47	U	0.23	U
72-54-8	4,4'-DDD	0.23	U	0.5	J	0.21	UJ	2.3	J	1.7	J	0.93	J
1031-07-8	Endosulfan sulfate	0.23	U	0.23	U	0.21	U	0.66	U	0.47	U	0.23	U
50-29-3	4,4'-DDT	0.23	U	0.21	J	0.21	UJ	0.66	UJ	0.47	UJ	0.48	J
72-43-5	Methoxychlor	1.1	U	1.1	U	1.	U	3.3	U	2.3	U	1.1	U
53494-70-5	Endrin ketone	0.23	U	0.23	U	0.21	U	0.7	J	0.42	J	0.23	U
7421-93-4	Endrin aldehyde	0.23	U	0.23	U	0.21	UJ	0.66	UJ	0.47	UJ	0.23	U
5103-71-9	alpha-Chlordane	0.23	U	0.11	U	0.12	J	1.1	J	0.54	J	0.11	U
5103-74-2	gamma-Chlordane	0.11	U	0.11	U	0.1	U	0.33	U	0.23	U	0.11	U
8001-35-2	Toxaphene	23.	U	23.	U	21.	U	67.	U	48.	U	23.	U
12674-11-2	Aroclor-1016	2.3	U	2.3	U	2.1	U	6.6	U	4.7	U	2.3	U
11104-28-2	Aroclor-1221	4.4	U	4.6	U	4.2	U	13.	U	9.4	U	4.4	U
11141-16-5	Aroclor-1232	2.3	U	2.3	U	2.1	U	6.6	U	4.7	U	2.3	U
53469-21-9	Aroclor-1242	2.3	U	2.3	U	2.1	U	6.6	U	4.7	U	2.3	U
12672-29-6	Aroclor-1248	2.3	U	2.3	U	2.1	U	6.6	U	4.7	U	2.3	U
11097-69-1	Aroclor-1254	2.3	U	2.3	U	2.1	U	6.6	U	4.7	U	2.3	U
11096-82-5	Aroclor-1260	2.3	U	6.8		1.2	J	49.		34.	J	6.9	J

*** Validation Complete ***

PEST															
	SAMPLE ID ------->	040-M-Z217-01		040-M-Z218-01		040-M-Z219-01		040-M-Z220-01		040-M-Z221-01		040-M-Z222-01	
	ORIGINAL ID ----->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201	
	LAB SAMPLE ID --->	960005-05		960005-04		960005-03		960010-14		960093-02		960010-15	
	ID FROM REPORT -->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/04/96		01/11/96		02/05/96		01/11/96	
	DATE EXTRACTED -->	01/10/96		01/10/96		01/10/96		01/14/96		02/12/96		01/14/96	
	DATE ANALYZED --->	01/31/96		01/31/96		01/31/96		02/02/96		03/12/96		02/02/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	Z22401	VAL	Z50801	VAL	MZ1010	VAL	Z50801	VAL
319-84-6	alpha-BHC	0.12	UJ	0.32	J	0.57	J	0.1	U	0.13	U	0.13	U
319-85-7	beta-BHC	0.12	U	0.18	U	0.39	U	0.1	U	0.13	U	0.13	U
319-86-8	delta-BHC	0.12	U	0.18	U	0.39	U	0.1	UJ	0.13	U	0.13	UJ
58-89-9	gamma-BHC (Lindane)	0.12	U	0.18	U	2.	J	0.12	J	0.13	U	0.56	J
76-44-8	Heptachlor	0.12	U	0.18	U	0.39	U	0.1	U	0.13	U	0.13	U
309-00-2	Aldrin	0.12	U	0.45	J	1.8	J	0.1	U	0.13	U	0.13	U
1024-57-3	Heptachlor epoxide	0.12	U	0.18	U	0.39	U	0.1	U	0.13	U	0.13	U
959-98-8	Endosulfan I	0.12	U	0.18	U	0.39	U	0.1	U	0.13	U	0.13	U
60-57-1	Dieldrin	0.22	J	0.59	J	1.5	J	0.2	J	1.4	J	0.48	J
72-55-9	4,4'-DDE	1.8		4.6	J	9.4	J	0.59		4.2	J	3.9	
72-20-8	Endrin	0.3	J	0.58	J	1.4	J	0.21	U	1.1	J	0.67	J
33213-65-9	Endosulfan II	0.24	U	0.36	U	0.8	U	0.21	U	0.26	U	0.26	U
72-54-8	4,4'-DDD	2.4		5.2	J	16.	J	0.21	UJ	7.6	DJ	5.	J
1031-07-8	Endosulfan sulfate	0.24	U	0.36	U	0.8	U	0.21	U	0.41	J	0.26	U
50-29-3	4,4'-DDT	0.89	J	2.2	J	6.3	J	0.23	J	12.	DJ	0.26	UJ
72-43-5	Methoxychlor	1.2	U	1.8	U	3.9	U	1.	U	1.3	U	1.3	U
53494-70-5	Endrin ketone	0.24	U	0.36	U	0.8	U	0.11	J	1.6	J	0.97	J
7421-93-4	Endrin aldehyde	0.41	J	0.36	U	0.8	U	0.21	UJ	0.26	U	0.26	UJ
5103-71-9	alpha-Chlordane	0.12	U	0.18	U	1.5	J	0.58		1.5	J	0.69	J
5103-74-2	gamma-Chlordane	0.12	U	0.18	U	1.2	J	0.21	J	1.4	J	0.4	J
8001-35-2	Toxaphene	24.	U	36.	U	80.	U	21.	U	26.	U	27.	U
12674-11-2	Aroclor-1016	2.4	U	3.6	U	8.	U	2.1	U	2.6	U	2.6	U
11104-28-2	Aroclor-1221	4.7	U	7.1	U	15.	U	4.2	U	5.	U	5.3	U
11141-16-5	Aroclor-1232	2.4	U	3.6	U	8.	U	2.1	U	2.6	U	2.6	U
53469-21-9	Aroclor-1242	2.4	U	3.6	U	8.	U	2.1	U	2.6	U	2.6	U
12672-29-6	Aroclor-1248	2.4	U	3.6	U	8.	U	2.1	U	2.6	U	2.6	U
11097-69-1	Aroclor-1254	2.4	U	3.6	U	8.	U	2.1	U	2.6	U	2.6	U
11096-82-5	Aroclor-1260	14.	J	42.	J	96.	J	7.4	J	81.	D	46.	

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z223-01		040-M-Z224-01		040-M-Z225-01		040-M-Z226-01		040-M-Z227-01		040-M-Z228-01	
	ORIGINAL ID ----->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	LAB SAMPLE ID --->	960005-02		960005-01		960002-08		960002-09		960002-10		960002-11	
	ID FROM REPORT -->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/03/96		01/03/96		01/03/96		01/03/96	
	DATE EXTRACTED -->	01/10/96		01/10/96		01/09/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	01/30/96		01/30/96		01/28/96		01/28/96		01/28/96		01/28/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
319-84-6	alpha-BHC	1.8	J	0.96	J	0.14	U	0.49	U	0.1	U	0.4	U
319-85-7	beta-BHC	0.36	U	0.43	U	0.14	U	0.49	U	0.1	U	0.4	U
319-86-8	delta-BHC	0.36	U	0.43	U	0.14	U	0.49	U	0.1	U	0.4	U
58-89-9	gamma-BHC (Lindane)	0.36	U	1.2	J	0.53	J	2.	J	0.1	U	0.84	J
76-44-8	Heptachlor	0.36	U	0.43	U	0.14	U	0.49	U	0.1	U	0.4	U
309-00-2	Aldrin	0.67	J	1.1	J	0.14	U	0.9	J	0.1	U	0.4	U
1024-57-3	Heptachlor epoxide	0.36	U	0.43	U	0.14	U	0.92	J	0.1	U	0.4	U
959-98-8	Endosulfan I	0.36	U	0.43	U	0.14	U	0.49	U	0.1	U	0.4	U
60-57-1	Dieldrin	0.93	J	1.3	J	0.71	J	2.3	J	0.21	U	2.2	J
72-55-9	4,4'-DDE	9.7		13.		0.8	J	2.9	J	0.21	U	2.4	J
72-20-8	Endrin	1.1	J	1.4	J	0.28	U	1.	U	0.21	U	0.81	U
33213-65-9	Endosulfan II	0.73	U	0.89	U	0.43	J	1.	U	0.21	U	0.81	U
72-54-8	4,4'-DDD	12.		15.		0.28	U	1.	U	0.21	U	0.81	U
1031-07-8	Endosulfan sulfate	0.73	U	0.89	U	0.28	U	1.	U	0.21	U	0.81	U
50-29-3	4,4'-DDT	3.	J	22.	J	0.49	J	1.	J	0.98		0.81	U
72-43-5	Methoxychlor	3.6	U	4.3	U	1.4	U	4.9	U	1.	U	4.	U
53494-70-5	Endrin ketone	0.73	U	0.89	U	0.28	U	1.	U	0.21	U	0.81	U
7421-93-4	Endrin aldehyde	0.73	U	0.89	U	0.28	U	1.	U	0.21	U	0.81	U
5103-71-9	alpha-Chlordane	0.88	J	0.72	J	0.14	U	0.49	U	0.1	U	0.4	U
5103-74-2	gamma-Chlordane	0.36	U	0.89	J	0.14	U	0.49	U	0.1	U	0.4	U
8001-35-2	Toxaphene	73.	U	89.	U	28.	U	100.	U	21.	U	81.	U
12674-11-2	Aroclor-1016	7.3	U	8.9	U	5.4	U	19.	U	4.1	U	16.	U
11104-28-2	Aroclor-1221	14.	U	17.	U	11.	U	39.	U	8.4	U	32.	U
11141-16-5	Aroclor-1232	7.3	U	8.9	U	5.4	U	19.	U	4.1	U	16.	U
53469-21-9	Aroclor-1242	7.3	U	8.9	U	5.4	U	34.	J	4.7	J	16.	U
12672-29-6	Aroclor-1248	7.3	U	8.9	U	5.4	U	19.	U	4.1	U	16.	U
11097-69-1	Aroclor-1254	7.3	U	8.9	U	5.4	U	19.	U	4.1	U	16.	U
11096-82-5	Aroclor-1260	77.	J	110.		23.	J	19.	U	1.4	J	37.	J

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

PEST															
	SAMPLE ID ------->	040-M-Z229-01		040-M-Z230-01		040-M-Z231-01		040-M-Z232-01		040-M-Z233-01		040-M-Z234-01	
	ORIGINAL ID ----->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	LAB SAMPLE ID --->	960093-03		960002-12		960002-13		960002-14		960002-15		960002-01	
	ID FROM REPORT -->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	SAMPLE DATE ----->	02/05/96		01/03/96		01/03/96		01/03/96		01/03/96		01/02/96	
	DATE EXTRACTED -->	02/12/96		01/09/96		01/09/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	03/12/96		01/28/96		01/29/96		01/29/96		01/29/96		01/27/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
319-84-6	alpha-BHC	0.1	U	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
319-85-7	beta-BHC	0.1	U	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
319-86-8	delta-BHC	0.1	U	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
58-89-9	gamma-BHC (Lindane)	0.1	U	0.1	U	0.66		0.1	U	0.37	U	0.1	U
76-44-8	Heptachlor	0.1	U	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
309-00-2	Aldrin	0.1	U	0.1	U	0.6		0.1	U	0.68	J	0.1	U
1024-57-3	Heptachlor epoxide	0.1	U	0.1	U	0.29	U	0.1	U	2.5	J	0.1	U
959-98-8	Endosulfan I	0.12	J	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
60-57-1	Dieldrin	0.21	U	0.21	J	1.8	J	0.21	U	2.6	J	0.22	U
72-55-9	4,4'-DDE	0.21	U	0.21	U	1.8	J	0.21	U	3.3	J	0.22	U
72-20-8	Endrin	0.21	U	0.21	U	0.6	U	0.21	U	0.76	U	0.22	U
33213-65-9	Endosulfan II	0.21	U	0.21	U	0.59	J	0.21	U	1.1	J	0.22	U
72-54-8	4,4'-DDD	0.21	U	0.21	U	0.6	U	0.21	U	0.76	U	0.22	U
1031-07-8	Endosulfan sulfate	0.21	U	0.21	U	0.6	U	0.21	U	0.76	U	0.22	U
50-29-3	4,4'-DDT	0.21	U	0.21	U	0.63	J	0.21	U	0.75	J	0.22	U
72-43-5	Methoxychlor	1.	U	1.	U	2.9	U	1.	U	3.7	U	1.	U
53494-70-5	Endrin ketone	0.21	U	0.21	U	0.6	U	0.21	U	0.76	U	0.22	U
7421-93-4	Endrin aldehyde	0.21	U	0.21	U	0.6	U	0.21	U	0.76	U	0.22	U
5103-71-9	alpha-Chlordane	0.21	U	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
5103-74-2	gamma-Chlordane	0.1	U	0.1	U	0.29	U	0.1	U	0.37	U	0.1	U
8001-35-2	Toxaphene	21.	U	21.	U	60.	U	21.	U	76.	U	22.	U
12674-11-2	Aroclor-1016	2.1	U	4.2	U	12.	U	4.2	U	15.	U	4.2	U
11104-28-2	Aroclor-1221	4.1	U	8.5	U	24.	U	8.5	U	30.	U	8.5	U
11141-16-5	Aroclor-1232	2.1	U	4.2	U	12.	U	4.2	U	15.	U	4.2	U
53469-21-9	Aroclor-1242	2.1	U	4.2	U	12.	U	4.2	U	15.	U	5.2	J
12672-29-6	Aroclor-1248	2.1	U	4.2	U	12.	U	4.2	U	15.	U	4.2	U
11097-69-1	Aroclor-1254	2.1	U	4.2	U	12.	U	4.2	U	15.	U	4.2	U
11096-82-5	Aroclor-1260	2.1	U	3.6	J	33.	J	1.3	J	48.	J	4.2	U

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z235-01		040-M-Z236-01		040-M-Z237-01		040-M-Z238-01		040-M-Z239-01		040-M-Z240-01	
	ORIGINAL ID ----->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
	LAB SAMPLE ID --->	960002-02		960002-03		960093-04		960002-04		960002-05		960002-06	
	ID FROM REPORT -->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
	SAMPLE DATE ----->	01/02/96		01/02/96		02/05/96		01/02/96		01/02/96		01/02/96	
	DATE EXTRACTED -->	01/09/96		01/09/96		02/12/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	01/27/96		01/27/96		03/12/96		01/27/96		01/27/96		01/28/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ2340	VAL	MZ2340	VAL	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
319-84-6	alpha-BHC	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U	0.1	U
319-85-7	beta-BHC	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U	0.1	U
319-86-8	delta-BHC	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U	0.1	U
58-89-9	gamma-BHC (Lindane)	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U	0.1	U
76-44-8	Heptachlor	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U	0.1	U
309-00-2	Aldrin	0.11	U	0.22	J	0.1	U	0.11	U	0.1	U	0.1	U
1024-57-3	Heptachlor epoxide	0.11	U	0.15	J	0.1	U	0.11	U	0.1	U	0.1	U
959-98-8	Endosulfan I	0.11	U	0.12	U	0.11	J	0.11	U	0.1	U	0.1	U
60-57-1	Dieldrin	0.39	J	0.48	J	0.21	U	0.22	U	0.21	U	0.35	J
72-55-9	4,4'-DDE	0.23	U	0.3	J	0.21	U	0.22	U	0.21	U	0.21	U
72-20-8	Endrin	0.23	U	0.25	U	0.21	U	0.22	U	0.21	U	0.21	U
33213-65-9	Endosulfan II	0.23	U	0.25	U	0.21	U	0.22	U	0.21	U	0.21	U
72-54-8	4,4'-DDD	0.23	U	0.43	J	0.21	U	0.22	U	0.21	U	0.21	U
1031-07-8	Endosulfan sulfate	0.23	U	0.25	U	0.21	U	0.22	U	0.21	U	0.21	U
50-29-3	4,4'-DDT	0.23	U	0.25	U	0.21	U	0.22	U	0.21	U	0.21	U
72-43-5	Methoxychlor	1.1	U	1.2	U	1.	U	1.1	U	1.	U	1.	U
53494-70-5	Endrin ketone	0.23	U	0.25	U	0.21	U	0.22	U	0.21	U	0.21	U
7421-93-4	Endrin aldehyde	0.23	U	0.25	U	0.21	U	0.22	U	0.21	U	0.21	U
5103-71-9	alpha-Chlordane	0.11	U	0.12	U	0.21	U	0.11	U	0.1	U	0.1	U
5103-74-2	gamma-Chlordane	0.11	U	0.12	U	0.1	U	0.11	U	0.1	U	0.1	U
8001-35-2	Toxaphene	23.	U	25.	U	21.	U	22.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	4.4	U	4.9	U	2.1	U	4.3	U	4.1	U	4.2	U
11104-28-2	Aroclor-1221	8.9	U	10.	U	4.1	U	8.6	U	8.3	U	8.5	U
11141-16-5	Aroclor-1232	4.4	U	4.9	U	2.1	U	4.3	U	4.1	U	4.2	U
53469-21-9	Aroclor-1242	3.3	J	6.8	J	2.1	U	1.8	J	5.2	J	4.3	J
12672-29-6	Aroclor-1248	4.4	U	4.9	U	2.1	U	4.3	U	4.1	U	4.2	U
11097-69-1	Aroclor-1254	4.4	U	4.9	U	2.1	U	4.3	U	4.1	U	4.2	U
11096-82-5	Aroclor-1260	4.4	U	4.9	U	2.1	U	4.3	U	4.1	U	4.2	U

*** Validation Complete ***

PEST															
	SAMPLE ID ------->	040-M-Z241-01		040-M-Z242-01		040-M-Z243-01		040-M-Z244-01		040-M-Z245-01		040-M-Z246-01	
	ORIGINAL ID ----->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
	LAB SAMPLE ID --->	951050-09		951050-10		960093-05		951050-11		951050-12		951050-13	
	ID FROM REPORT -->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
	SAMPLE DATE ----->	12/14/95		12/14/95		02/05/96		12/14/95		12/14/95		12/14/95	
	DATE EXTRACTED -->	12/19/95		12/19/95		02/12/96		12/19/95		12/19/95		12/19/95	
	DATE ANALYZED --->	01/25/96		01/25/96		03/12/96		01/25/96		01/25/96		01/25/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	MZ1010	VAL	EMD060	VAL	EMD060	VAL	EMD060	VAL
319-84-6	alpha-BHC	0.11	UJ	0.1	UR	0.1	U	0.55	UJ	0.2	J	0.39	UJ
319-85-7	beta-BHC	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
319-86-8	delta-BHC	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
58-89-9	gamma-BHC (Lindane)	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
76-44-8	Heptachlor	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
309-00-2	Aldrin	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
1024-57-3	Heptachlor epoxide	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
959-98-8	Endosulfan I	0.11	U	0.1	UR	0.12	J	0.55	UJ	0.088	U	0.39	U
60-57-1	Dieldrin	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.81	U
72-55-9	4,4'-DDE	0.22	U	0.21	UR	0.21	U	2.2	J	0.3	J	0.81	U
72-20-8	Endrin	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.81	J
33213-65-9	Endosulfan II	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.81	U
72-54-8	4,4'-DDD	0.22	U	0.21	UR	0.21	U	1.8	J	0.32	J	0.81	U
1031-07-8	Endosulfan sulfate	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.81	U
50-29-3	4,4'-DDT	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.84	J
72-43-5	Methoxychlor	1.1	U	1.	UR	1.	U	5.5	UJ	0.88	U	3.9	U
53494-70-5	Endrin ketone	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.81	U
7421-93-4	Endrin aldehyde	0.22	U	0.21	UR	0.21	U	1.1	UJ	0.18	U	0.81	U
5103-71-9	alpha-Chlordane	0.27	J	0.1	UR	0.21	U	0.55	UJ	0.17		0.39	U
5103-74-2	gamma-Chlordane	0.11	U	0.1	UR	0.1	U	0.55	UJ	0.088	U	0.39	U
8001-35-2	Toxaphene	11.	U	10.	UR	21.	U	55.	UJ	8.8	U	39.	U
12674-11-2	Aroclor-1016	2.2	U	2.1	UR	2.1	U	11.	UJ	1.8	U	8.1	U
11104-28-2	Aroclor-1221	4.3	U	4.1	UR	4.1	U	22.	UJ	3.5	U	16.	U
11141-16-5	Aroclor-1232	2.2	U	2.1	UR	2.1	U	11.	UJ	1.8	U	8.1	U
53469-21-9	Aroclor-1242	2.2	U	2.1	UR	2.1	U	11.	UJ	1.8	U	8.1	U
12672-29-6	Aroclor-1248	2.2	U	2.1	UR	2.1	U	11.	UJ	1.8	U	8.1	U
11097-69-1	Aroclor-1254	2.2	U	2.1	UR	2.1	U	11.	UJ	1.8	U	8.1	U
11096-82-5	Aroclor-1260	3.9	J	2.1	UR	2.1	U	29.	J	2.9		8.1	U

*** Validation Complete ***

PEST																	
	SAMPLE ID ------->	040-M-Z247-01		040-M-Z248-01		040-M-Z249-01		040-M-Z250-01		040-M-Z251-01		040-M-Z252-01	
	ORIGINAL ID ----->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
	LAB SAMPLE ID --->	951050-14		951050-15		951050-16		960040-01		960093-06		960040-02	
	ID FROM REPORT -->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
	SAMPLE DATE ----->	12/14/95		12/14/95		12/14/95		01/17/96		02/05/96		01/17/96	
	DATE EXTRACTED -->	12/19/95		12/19/95		12/19/95		01/22/96		02/12/96		01/22/96	
	DATE ANALYZED --->	01/25/96		01/25/96		01/25/96		02/10/96		03/12/96		02/11/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	EMD060	VAL	Z25001	VAL	MZ1010	VAL	Z25001	VAL
319-84-6	alpha-BHC	3.7	UJ	0.11	UJ	0.11	UJ	0.1	U	0.11	U	0.1	U
319-85-7	beta-BHC	0.46	U	0.11	U	0.11	U	0.1	U	0.38	J	0.1	U
319-86-8	delta-BHC	0.46	U	0.11	U	0.11	U	0.1	UJ	0.11	U	0.1	UJ
58-89-9	gamma-BHC (Lindane)	0.46	U	0.11	U	0.11	U	0.1	U	0.24	J	0.1	U
76-44-8	Heptachlor	0.46	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U
309-00-2	Aldrin	0.46	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U
1024-57-3	Heptachlor epoxide	0.46	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U
959-98-8	Endosulfan I	0.46	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U
60-57-1	Dieldrin	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
72-55-9	4,4'-DDE	1.9	J	0.22	U	0.22	U	0.21	U	0.22	J	0.21	U
72-20-8	Endrin	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
33213-65-9	Endosulfan II	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
72-54-8	4,4'-DDD	1.	J	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
1031-07-8	Endosulfan sulfate	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
50-29-3	4,4'-DDT	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
72-43-5	Methoxychlor	4.6	U	1.1	U	1.1	U	1.	U	1.1	U	1.	U
53494-70-5	Endrin ketone	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
7421-93-4	Endrin aldehyde	0.94	U	0.22	U	0.22	U	0.21	U	0.22	U	0.21	U
5103-71-9	alpha-Chlordane	0.93		0.11	U	0.11	U	0.1	U	0.22	U	0.1	U
5103-74-2	gamma-Chlordane	0.46	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U
8001-35-2	Toxaphene	46.	U	11.	U	11.	U	21.	U	22.	U	21.	U
12674-11-2	Aroclor-1016	9.4	U	2.2	U	2.2	U	2.1	U	2.2	U	2.1	U
11104-28-2	Aroclor-1221	18.	U	4.3	U	4.3	U	4.2	U	4.3	U	4.2	U
11141-16-5	Aroclor-1232	9.4	U	2.2	U	2.2	U	2.1	U	2.2	U	2.1	U
53469-21-9	Aroclor-1242	9.4	U	2.2	U	2.2	U	2.1	U	2.2	U	2.1	U
12672-29-6	Aroclor-1248	9.4	U	2.2	U	2.2	U	2.1	U	2.2	U	2.1	U
11097-69-1	Aroclor-1254	9.4	U	2.2	U	2.2	U	2.1	U	2.2	U	2.1	U
11096-82-5	Aroclor-1260	32.		2.2	U	2.2	U	2.1	U	2.2	U	2.1	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

PEST													
	SAMPLE ID ------->	040-M-Z253-01		040-M-Z254-01		040-M-Z255-01		040-M-Z256-01		040-M-Z257-01		040-M-Z301-01	
	ORIGINAL ID ----->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
	LAB SAMPLE ID --->	960040-03		960040-04		960040-05		960040-06		960040-07		950991-01	
	ID FROM REPORT -->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
	SAMPLE DATE ----->	01/17/96		01/17/96		01/17/96		01/17/96		01/17/96		11/29/95	
	DATE EXTRACTED -->	01/22/96		01/22/96		01/22/96		01/22/96		01/22/96		12/02/95	
	DATE ANALYZED --->	02/11/96		02/11/96		02/11/96		02/12/96		02/10/96		01/05/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z30301	VAL
319-84-6	alpha-BHC	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
319-85-7	beta-BHC	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
319-86-8	delta-BHC	0.1	UJ	0.1	UJ	0.11	UJ	0.1	UJ	0.1	UJ	0.1	U
58-89-9	gamma-BHC (Lindane)	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
76-44-8	Heptachlor	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
309-00-2	Aldrin	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
1024-57-3	Heptachlor epoxide	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
959-98-8	Endosulfan I	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.21	U
60-57-1	Dieldrin	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
72-55-9	4,4'-DDE	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
72-20-8	Endrin	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
33213-65-9	Endosulfan II	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
72-54-8	4,4'-DDD	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
1031-07-8	Endosulfan sulfate	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.77	J
50-29-3	4,4'-DDT	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	1.9	J
72-43-5	Methoxychlor	1.	U	1.	U	1.1	U	1.	U	1.	U	1.	UJ
53494-70-5	Endrin ketone	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
7421-93-4	Endrin aldehyde	0.21	U	0.21	U	0.22	U	0.21	U	0.22	U	0.21	U
5103-71-9	alpha-Chlordane	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
5103-74-2	gamma-Chlordane	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
8001-35-2	Toxaphene	21.	U	21.	U	22.	U	21.	U	22.	U	10.	U
12674-11-2	Aroclor-1016	2.1	U	2.1	U	2.2	U	2.1	U	2.2	U	2.1	U
11104-28-2	Aroclor-1221	4.1	U	4.1	U	4.2	U	4.	U	4.2	U	4.2	U
11141-16-5	Aroclor-1232	2.1	U	2.1	U	2.2	U	2.1	U	2.2	U	2.1	U
53469-21-9	Aroclor-1242	2.1	U	2.1	U	2.2	U	2.1	U	2.2	U	2.1	U
12672-29-6	Aroclor-1248	2.1	U	2.1	U	2.2	U	2.1	U	2.2	U	2.1	U
11097-69-1	Aroclor-1254	2.1	U	2.1	U	2.2	U	2.1	U	2.2	U	2.1	U
11096-82-5	Aroclor-1260	2.1	U	2.1	U	2.2	U	2.1	U	2.2	U	2.1	U

*** Validation Complete ***

PEST																	
		SAMPLE ID ------->	040-M-Z302-01		040-M-Z303-01		040-M-Z304-01		040-M-Z305-01		040-M-Z306-01		040-M-Z307-01	
		ORIGINAL ID ----->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701	
		LAB SAMPLE ID --->	950991-02		950991-03		950998-03		960093-08		950998-04		950991-04	
		ID FROM REPORT -->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701	
		SAMPLE DATE ----->	11/29/95		11/29/95		11/30/95		02/06/96		12/01/95		11/29/95	
		DATE EXTRACTED -->	12/02/95		12/02/95		12/05/95		02/12/96		12/05/95		12/02/95	
		DATE ANALYZED --->	01/05/96		01/05/96		01/17/96		03/12/96		01/16/96		01/05/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		Z30301	VAL	Z30301	VAL	EM0040	VAL	MZ1010	VAL	EM0040	VAL	Z30301	VAL
319-84-6	alpha-BHC		0.33	U	0.1	U	1.	J	0.1	U	0.45	J	0.21	U
319-85-7	beta-BHC		0.33	U	0.1	U	0.11	U	0.1	U	0.1	U	0.21	U
319-86-8	delta-BHC		0.33	U	0.1	U	0.11	UJ	0.1	U	0.1	UJ	0.21	U
58-89-9	gamma-BHC (Lindane)		0.64	J	0.1	U	0.11	U	0.1	U	0.1	U	0.21	U
76-44-8	Heptachlor		0.33	U	0.1	U	0.11	J	0.1	U	0.1	U	0.21	U
309-00-2	Aldrin		0.33	U	0.1	U	0.32	J	0.1	U	0.1	U	0.21	U
1024-57-3	Heptachlor epoxide		0.33	U	0.1	U	0.27	J	0.1	U	0.1	U	0.21	U
959-98-8	Endosulfan I		0.67	U	0.21	U	0.22	U	0.1	U	0.21	U	0.42	U
60-57-1	Dieldrin		0.67	U	0.21	U	7.	DJ	0.21	U	0.21	U	0.42	U
72-55-9	4,4'-DDE		0.67	U	0.21	U	3.8	J	0.21	U	0.21	J	0.66	J
72-20-8	Endrin		0.67	U	0.21	U	3.	J	0.21	U	0.23	J	0.42	U
33213-65-9	Endosulfan II		0.67	U	0.21	U	0.22	U	0.21	U	0.21	U	0.42	U
72-54-8	4,4'-DDD		0.67	U	0.21	U	0.34	J	0.21	U	0.21	U	0.42	U
1031-07-8	Endosulfan sulfate		1.5		0.6	J	0.22	U	0.21	U	0.21	U	1.1	J
50-29-3	4,4'-DDT		0.67	UJ	0.21	UJ	1.1	J	0.21	U	0.21	U	0.47	J
72-43-5	Methoxychlor		3.3	UJ	1.	UJ	1.1	U	1.	U	1.	U	2.1	UJ
53494-70-5	Endrin ketone		0.67	U	0.21	U	1.7	J	0.21	U	0.21	U	0.42	U
7421-93-4	Endrin aldehyde		0.67	U	0.21	U	0.22	U	0.21	U	0.21	U	0.42	U
5103-71-9	alpha-Chlordane		0.33	U	0.1	U	2.3	DJ	0.21	U	0.1	U	0.21	U
5103-74-2	gamma-Chlordane		0.33	U	0.1	U	0.75	J	0.1	U	0.1	U	0.21	U
8001-35-2	Toxaphene		33.	U	10.	U	11.	U	21.	U	10.	U	21.	U
12674-11-2	Aroclor-1016		6.7	U	2.1	U	2.2	U	2.1	U	2.1	U	4.2	U
11104-28-2	Aroclor-1221		13.	U	4.1	U	4.2	U	4.	U	4.2	U	8.2	U
11141-16-5	Aroclor-1232		6.7	U	2.1	U	2.2	U	2.1	U	2.1	U	4.2	U
53469-21-9	Aroclor-1242		6.7	U	2.1	U	2.2	U	2.1	U	2.1	U	4.2	U
12672-29-6	Aroclor-1248		6.7	U	2.1	U	2.2	U	2.1	U	2.1	U	4.2	U
11097-69-1	Aroclor-1254		6.7	U	2.1	U	2.2	U	2.1	U	2.1	U	4.2	U
11096-82-5	Aroclor-1260		11.		2.1	U	11.	J	2.1	U	2.1	U	8.1	J

*** Validation Complete ***

PEST																	
	SAMPLE ID ------->	040-M-Z308-01		040-M-Z309-01		040-M-Z310-01		040-M-Z311-01		040-M-Z312-01		040-M-Z313-01	
	ORIGINAL ID ----->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301	
	LAB SAMPLE ID --->	950998-05		950991-05		951005-01		950991-06		951005-02		950979-08	
	ID FROM REPORT -->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301	
	SAMPLE DATE ----->	12/01/95		11/29/95		12/01/95		11/29/95		12/01/95		11/27/95	
	DATE EXTRACTED -->	12/05/95		12/02/95		12/06/95		12/02/95		12/06/95		11/30/95	
	DATE ANALYZED --->	01/16/96		01/05/96		01/19/96		01/05/96		01/19/96		01/04/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0040	VAL	Z30301	VAL	Z31001	VAL	Z30301	VAL	Z31001	VAL	041M10	VAL
319-84-6	alpha-BHC	0.8	J	0.1	UJ	0.11	UJ	0.1	U	0.1	UJ	0.11	UJ
319-85-7	beta-BHC	0.11	U	0.1	UJ	0.11	U	0.1	U	0.1	U	0.11	UJ
319-86-8	delta-BHC	0.11	UJ	0.1	UJ	0.11	UJ	0.1	U	0.1	UJ	0.11	UJ
58-89-9	gamma-BHC (Lindane)	0.11	U	0.1	UJ	0.11	U	0.1	U	0.1	U	0.11	UJ
76-44-8	Heptachlor	0.11	U	0.1	UJ	0.11	U	0.1	U	0.1	U	0.11	UJ
309-00-2	Aldrin	0.11	U	0.1	UJ	0.11	U	0.1	U	0.1	U	0.11	UJ
1024-57-3	Heptachlor epoxide	0.11	U	0.1	UJ	0.11	U	0.1	U	0.1	U	0.11	UJ
959-98-8	Endosulfan I	0.23	U	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
60-57-1	Dieldrin	0.48	J	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
72-55-9	4,4'-DDE	1.1	J	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
72-20-8	Endrin	0.84	J	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
33213-65-9	Endosulfan II	0.21	J	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
72-54-8	4,4'-DDD	0.23	U	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
1031-07-8	Endosulfan sulfate	0.23	U	0.25	J	0.22	U	0.21	U	0.21	U	0.22	UJ
50-29-3	4,4'-DDT	0.36	J	0.23	J	0.23	J	0.21	UJ	0.21	UJ	0.29	J
72-43-5	Methoxychlor	1.1	U	1.	UJ	1.1	UJ	1.	UJ	1.	UJ	1.1	UJ
53494-70-5	Endrin ketone	0.23	U	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
7421-93-4	Endrin aldehyde	0.23	U	0.21	UJ	0.22	U	0.21	U	0.21	U	0.22	UJ
5103-71-9	alpha-Chlordane	0.3	J	0.1	UJ	0.3	J	0.1	U	0.1	U	0.11	UJ
5103-74-2	gamma-Chlordane	0.11	U	0.1	J	0.15	J	0.1	U	0.1	U	0.11	UJ
8001-35-2	Toxaphene	11.	U	10.	UJ	11.	U	10.	U	10.	U	11.	UJ
12674-11-2	Aroclor-1016	2.3	U	2.1	UJ	2.2	U	2.1	U	2.1	U	2.2	UJ
11104-28-2	Aroclor-1221	4.4	U	4.1	UJ	4.3	U	4.1	U	4.1	U	4.2	UJ
11141-16-5	Aroclor-1232	2.3	U	2.1	UJ	2.2	U	2.1	U	2.1	U	2.2	UJ
53469-21-9	Aroclor-1242	2.3	U	2.1	UJ	2.2	U	2.1	U	2.1	U	2.2	UJ
12672-29-6	Aroclor-1248	2.3	U	2.1	UJ	2.2	U	2.1	U	2.1	U	2.2	UJ
11097-69-1	Aroclor-1254	2.3	U	2.1	UJ	2.2	U	2.1	U	2.1	U	2.2	UJ
11096-82-5	Aroclor-1260	2.1	J	2.1	UJ	2.2	U	2.1	U	2.1	U	2.7	J

*** Validation Complete ***

PEST															
	SAMPLE ID ------->	040-M-Z314-01		040-M-Z315-01		040-M-Z316-01		040-M-Z317-01		040-M-Z318-01		040-M-Z319-01	
	ORIGINAL ID ----->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901	
	LAB SAMPLE ID --->	950998-06		950979-09		960040-09		950998-07		951005-03		950979-10	
	ID FROM REPORT -->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901	
	SAMPLE DATE ----->	12/01/95		11/27/95		01/23/96		12/01/95		12/01/95		11/27/95	
	DATE EXTRACTED -->	12/05/95		11/30/95		01/28/96		12/05/95		12/06/95		11/30/95	
	DATE ANALYZED --->	01/16/96		01/04/96		02/12/96		01/16/96		01/18/96		01/04/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0040	VAL	041M10	VAL	Z25001	VAL	EM0040	VAL	Z31001	VAL	041M10	VAL
319-84-6	alpha-BHC	0.42	J	0.1	U	0.11	U	0.4	J	0.11	UJ	0.59	U
319-85-7	beta-BHC	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.59	U
319-86-8	delta-BHC	0.11	UJ	0.1	U	0.11	UJ	0.1	UJ	0.11	UJ	0.59	U
58-89-9	gamma-BHC (Lindane)	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.59	U
76-44-8	Heptachlor	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.59	U
309-00-2	Aldrin	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.59	U
1024-57-3	Heptachlor epoxide	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.59	U
959-98-8	Endosulfan I	0.22	U	0.22	U	0.11	U	0.21	U	0.22	U	1.2	U
60-57-1	Dieldrin	0.22	U	0.22	U	0.22	U	0.49	J	0.22	U	1.2	U
72-55-9	4,4'-DDE	0.28	J	0.22	U	0.22	U	2.	J	0.22	U	4.4	
72-20-8	Endrin	0.22	U	0.22	U	0.22	U	0.21	U	0.19	J	1.2	U
33213-65-9	Endosulfan II	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	1.2	U
72-54-8	4,4'-DDD	0.22	U	0.22	U	0.22	U	0.24	J	0.22	U	1.2	U
1031-07-8	Endosulfan sulfate	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	1.2	U
50-29-3	4,4'-DDT	0.22	U	0.22	U	0.26	J	1.6	J	0.22	U	1.2	U
72-43-5	Methoxychlor	1.1	U	1.	U	1.1	U	1.	U	1.1	U	5.9	U
53494-70-5	Endrin ketone	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	1.2	U
7421-93-4	Endrin aldehyde	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	1.2	U
5103-71-9	alpha-Chlordane	0.11	U	0.1	U	0.11	U	0.1	U	0.11	J	0.59	U
5103-74-2	gamma-Chlordane	0.11	U	0.1	U	0.11	U	0.1	U	0.11	U	0.59	U
8001-35-2	Toxaphene	11.	U	10.	U	22.	U	10.	U	11.	U	59.	U
12674-11-2	Aroclor-1016	2.2	U	2.2	U	2.2	U	2.1	U	2.2	U	12.	U
11104-28-2	Aroclor-1221	4.2	U	4.2	U	4.3	U	4.	U	4.2	U	23.	U
11141-16-5	Aroclor-1232	2.2	U	2.2	U	2.2	U	2.1	U	2.2	U	12.	U
53469-21-9	Aroclor-1242	2.2	U	2.2	U	2.2	U	2.1	U	2.2	U	12.	U
12672-29-6	Aroclor-1248	2.2	U	2.2	U	2.2	U	2.1	U	2.2	U	12.	U
11097-69-1	Aroclor-1254	2.2	U	2.2	U	2.2	U	5.3	J	2.2	U	12.	U
11096-82-5	Aroclor-1260	2.2	U	1.2	J	2.2	U	2.1	U	0.69	J	84.	J

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z320-01		040-M-Z321-01		040-M-Z322-01		040-M-Z323-01		040-M-Z324-01		040-M-Z401-01	
	ORIGINAL ID ----->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101	
	LAB SAMPLE ID --->	950979-11		950979-12		950979-13		950979-14		950979-15		950922-20	
	ID FROM REPORT -->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101	
	SAMPLE DATE ----->	11/27/95		11/27/95		11/27/95		11/27/95		11/27/95		11/10/95	
	DATE EXTRACTED -->	11/30/95		11/30/95		11/30/95		11/30/95		11/30/95		12/10/95	
	DATE ANALYZED --->	01/05/96		01/05/96		01/05/96		01/05/96		01/05/96		12/18/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	Z61101	VAL
319-84-6	alpha-BHC	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.45	J
319-85-7	beta-BHC	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
319-86-8	delta-BHC	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
58-89-9	gamma-BHC (Lindane)	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	1.5	J
76-44-8	Heptachlor	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
309-00-2	Aldrin	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
1024-57-3	Heptachlor epoxide	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
959-98-8	Endosulfan I	0.25	UJ	0.21	UJ	0.22	UJ	0.46	U	0.22	UJ	0.68	UR
60-57-1	Dieldrin	0.25	UJ	0.21	UJ	99.	J	0.46	U	0.22	UJ	1.2	J
72-55-9	4,4'-DDE	0.49	J	0.21	UJ	0.22	UJ	1.4	J	0.43	J	1.6	J
72-20-8	Endrin	0.25	UJ	0.21	UJ	0.22	UJ	0.46	U	0.22	UJ	0.68	UR
33213-65-9	Endosulfan II	0.25	UJ	0.21	UJ	0.22	UJ	0.46	U	0.22	UJ	0.68	UR
72-54-8	4,4'-DDD	0.25	UJ	0.21	UJ	0.22	UJ	0.5	J	0.22	UJ	1.3	J
1031-07-8	Endosulfan sulfate	0.25	UJ	0.21	UJ	0.22	UJ	0.46	U	0.22	UJ	0.68	UR
50-29-3	4,4'-DDT	0.25	UJ	0.58	J	0.22	UJ	0.46	U	0.22	UJ	1.3	J
72-43-5	Methoxychlor	1.2	UJ	1.	UJ	1.	UJ	2.2	U	1.1	UJ	3.3	UR
53494-70-5	Endrin ketone	0.25	UJ	0.21	UJ	0.22	UJ	0.46	U	0.22	UJ	0.68	UR
7421-93-4	Endrin aldehyde	0.25	UJ	0.21	UJ	0.22	UJ	0.46	U	0.22	UJ	0.68	UR
5103-71-9	alpha-Chlordane	0.12	UJ	0.12	J	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
5103-74-2	gamma-Chlordane	0.12	UJ	0.1	UJ	0.1	UJ	0.22	U	0.11	UJ	0.33	UR
8001-35-2	Toxaphene	12.	UJ	10.	UJ	10.	UJ	22.	U	11.	UJ	68.	UR
12674-11-2	Aroclor-1016	2.5	UJ	2.1	UJ	2.2	UJ	4.6	U	2.2	UJ	13.	UR
11104-28-2	Aroclor-1221	4.9	UJ	4.1	UJ	4.2	UJ	8.9	U	4.3	UJ	27.	UR
11141-16-5	Aroclor-1232	2.5	UJ	2.1	UJ	2.2	UJ	4.6	U	2.2	UJ	13.	UR
53469-21-9	Aroclor-1242	2.5	UJ	2.1	UJ	2.2	UJ	4.6	U	2.2	UJ	13.	UR
12672-29-6	Aroclor-1248	2.5	UJ	2.1	UJ	2.2	UJ	4.6	U	2.2	UJ	13.	UR
11097-69-1	Aroclor-1254	2.5	UJ	2.1	UJ	2.2	UJ	4.6	U	2.2	UJ	21.	UR
11096-82-5	Aroclor-1260	9.2	J	2.8	J	4.9	J	26.	J	24.	J	13.	UR

*** Validation Complete ***

PEST																	
	SAMPLE ID ------->	040-M-Z402-01		040-M-Z403-01		040-M-Z404-01		040-M-Z405-01		040-M-Z406-01		040-M-Z407-01	
	ORIGINAL ID ----->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
	LAB SAMPLE ID --->	950922-21		951005-04		950922-22		960040-10		951005-05		950922-23	
	ID FROM REPORT -->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
	SAMPLE DATE ----->	11/10/95		12/01/95		11/10/95		01/23/96		12/01/95		11/10/95	
	DATE EXTRACTED -->	12/10/95		12/06/95		11/14/95		01/28/96		12/06/95		12/10/95	
	DATE ANALYZED --->	12/18/95		01/19/96		12/02/95		02/20/96		01/19/96		12/18/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z61101	VAL	Z31001	VAL	Z61101	VAL	Z25001	VAL	Z31001	VAL	Z61101	VAL
319-84-6	alpha-BHC	0.1	UR	0.1	UJ	2.9	J	0.54	U	0.1	UJ	0.11	UR
319-85-7	beta-BHC	0.1	UR	0.1	U	0.36	UJ	0.54	U	0.1	U	0.11	UR
319-86-8	delta-BHC	0.1	UR	0.1	UJ	0.36	UJ	0.54	UJ	0.1	UJ	0.11	UR
58-89-9	gamma-BHC (Lindane)	0.1	UR	0.1	U	0.55	J	0.54	U	0.1	U	0.16	J
76-44-8	Heptachlor	0.1	UR	0.1	U	0.36	UJ	0.54	U	0.1	U	0.11	UR
309-00-2	Aldrin	0.1	UR	0.1	U	0.36	UJ	0.54	U	0.1	U	0.11	UR
1024-57-3	Heptachlor epoxide	0.1	UR	0.1	U	0.36	UJ	0.54	U	0.1	U	0.11	UR
959-98-8	Endosulfan I	0.21	UR	0.21	U	0.73	UJ	0.54	U	0.21	U	0.22	UR
60-57-1	Dieldrin	0.21	UR	0.21	U	0.44	J	2.2	J	0.24	J	0.22	UR
72-55-9	4,4'-DDE	0.21	UR	0.21	U	0.89	J	1.2	J	0.21	U	0.22	UR
72-20-8	Endrin	0.21	UR	0.21	U	1.1	J	1.1	U	0.21	U	2.6	J
33213-65-9	Endosulfan II	0.21	UR	0.21	U	0.73	UJ	3.1	J	0.45	J	0.82	J
72-54-8	4,4'-DDD	0.21	UR	0.26	J	0.73	UJ	1.1	U	0.21	U	0.22	UR
1031-07-8	Endosulfan sulfate	0.21	UR	0.21	U	0.73	UJ	1.2	J	0.21	U	0.22	UR
50-29-3	4,4'-DDT	0.21	UR	0.32	J	0.73	UJ	1.1	UJ	0.21	UJ	0.22	UR
72-43-5	Methoxychlor	1.	UR	1.	UJ	3.6	UJ	5.4	U	1.	UJ	1.1	UR
53494-70-5	Endrin ketone	0.21	UR	0.21	U	0.73	UJ	1.1	U	0.21	U	0.22	UR
7421-93-4	Endrin aldehyde	0.21	UR	0.21	U	0.73	UJ	1.1	U	0.6	J	0.22	UR
5103-71-9	alpha-Chlordane	0.1	UR	0.45	J	0.36	UJ	0.54	U	0.1	U	0.11	UR
5103-74-2	gamma-Chlordane	0.1	UR	0.22	J	0.36	UJ	0.54	U	0.1	U	0.11	J
8001-35-2	Toxaphene	21.	UR	10.	U	73.	UJ	110.	U	10.	U	22.	UR
12674-11-2	Aroclor-1016	4.1	UR	2.1	U	14.	UJ	11.	U	2.1	U	4.3	UR
11104-28-2	Aroclor-1221	8.2	UR	4.1	U	29.	UJ	22.	U	4.2	U	8.7	UR
11141-16-5	Aroclor-1232	4.1	UR	2.1	U	14.	UJ	11.	U	2.1	U	4.3	UR
53469-21-9	Aroclor-1242	4.1	UR	2.1	U	14.	UJ	11.	U	2.1	U	4.3	UR
12672-29-6	Aroclor-1248	4.1	UR	2.1	U	14.	UJ	11.	U	2.1	U	4.3	UR
11097-69-1	Aroclor-1254	2.3	J	2.1	U	8.4	J	11.	U	2.1	U	8.5	J
11096-82-5	Aroclor-1260	4.1	UR	1.7	J	14.	UJ	120.		14.	J	4.3	UR

*** Validation Complete ***

PEST																	
		SAMPLE ID ------->	040-M-Z408-01		040-M-Z409-01		040-M-Z410-01		040-M-Z411-01		040-M-Z412-01		040-M-Z413-01	
		ORIGINAL ID ----->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
		LAB SAMPLE ID --->	950922-24		950991-07		951005-18		951005-19		951005-20		951005-21	
		ID FROM REPORT -->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
		SAMPLE DATE ----->	11/10/95		11/29/95		12/05/95		12/05/95		12/05/95		12/05/95	
		DATE EXTRACTED -->	11/14/95		12/02/95		12/12/95		12/12/95		12/12/95		12/12/95	
		DATE ANALYZED --->	12/02/95		01/05/96		01/18/96		01/18/96		01/18/96		01/19/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		Z61101	VAL	Z30301	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL
319-84-6	alpha-BHC		1.2	J	0.1	U	0.1	UJ	0.26	J	0.2	J	0.12	UJ
319-85-7	beta-BHC		0.13	UJ	0.1	U	0.1	U	0.11	U	0.11	U	0.12	U
319-86-8	delta-BHC		0.13	UJ	0.1	U	0.1	UJ	0.11	UJ	0.11	UJ	0.12	UJ
58-89-9	gamma-BHC (Lindane)		0.13	UJ	9.2	D	0.1	U	0.11	U	0.11	U	0.12	U
76-44-8	Heptachlor		0.13	UJ	0.1	U	0.1	U	0.11	U	0.11	U	0.12	U
309-00-2	Aldrin		0.13	UJ	0.1	U	0.1	U	0.11	U	0.11	U	0.12	U
1024-57-3	Heptachlor epoxide		0.13	UJ	0.1	U	0.1	U	0.11	U	0.11	U	0.12	U
959-98-8	Endosulfan I		0.26	UJ	0.21	U	0.21	U	0.22	U	0.22	U	0.24	U
60-57-1	Dieldrin		0.26	UJ	0.21	U	0.21	U	0.22	U	0.22	U	0.24	U
72-55-9	4,4'-DDE		0.26	UJ	0.21	U	0.21	U	0.23	J	0.22	U	0.24	U
72-20-8	Endrin		0.86	J	3.9	DJ	0.21	U	0.22	U	0.22	U	0.24	U
33213-65-9	Endosulfan II		0.39	J	0.21	U	0.21	U	0.22	U	0.22	U	0.24	U
72-54-8	4,4'-DDD		0.37	J	0.21	U	0.21	U	0.22	U	0.22	U	0.24	U
1031-07-8	Endosulfan sulfate		0.26	UJ	0.25	J	0.21	U	0.22	U	0.22	U	0.24	U
50-29-3	4,4'-DDT		0.31	J	0.21	UJ	0.21	U	0.22	U	0.22	U	0.24	UJ
72-43-5	Methoxychlor		1.3	UJ	1.	UJ	1.	U	1.1	U	1.1	U	1.2	UJ
53494-70-5	Endrin ketone		0.26	UJ	0.21	U	0.21	U	0.22	U	0.22	U	0.24	U
7421-93-4	Endrin aldehyde		0.26	UJ	0.21	U	0.21	U	0.22	U	0.22	U	0.24	U
5103-71-9	alpha-Chlordane		0.13	UJ	0.1	U	0.17		0.11	U	0.14	J	0.12	U
5103-74-2	gamma-Chlordane		0.29	J	0.1	U	0.1	U	0.11	U	0.11	U	0.12	U
8001-35-2	Toxaphene		26.	UJ	10.	U	10.	U	11.	U	11.	U	12.	U
12674-11-2	Aroclor-1016		5.1	UJ	2.1	U	2.1	U	2.2	U	2.2	U	2.4	U
11104-28-2	Aroclor-1221		10.	UJ	4.	U	4.1	U	4.2	U	4.2	U	4.6	U
11141-16-5	Aroclor-1232		5.1	UJ	2.1	U	2.1	U	2.2	U	2.2	U	2.4	U
53469-21-9	Aroclor-1242		5.1	UJ	2.1	U	2.1	U	2.2	U	2.2	U	2.4	U
12672-29-6	Aroclor-1248		5.1	UJ	2.1	U	2.1	U	2.2	U	2.2	U	2.4	U
11097-69-1	Aroclor-1254		6.1	J	2.1	U	2.1	U	2.2	U	2.2	U	2.4	U
11096-82-5	Aroclor-1260		5.1	UJ	2.1	U	1.	J	3.3		3.2	J	3.5	

*** Validation Complete ***

PEST													
	SAMPLE ID ------->	040-M-Z414-01		040-M-Z415-01		040-M-Z416-01		040-M-Z417-01		040-M-Z418-01		040-M-Z419-01	
	ORIGINAL ID ----->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901	
	LAB SAMPLE ID --->	951005-10		960040-11		951005-06		951005-07		950998-08		950930-01	
	ID FROM REPORT -->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901	
	SAMPLE DATE ----->	12/04/95		01/23/96		12/01/95		12/01/95		12/01/95		11/10/95	
	DATE EXTRACTED -->	12/06/95		01/28/96		12/06/95		12/06/95		12/05/95		11/14/95	
	DATE ANALYZED --->	01/19/96		02/12/96		01/18/96		01/18/96		01/16/96		12/08/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z31001	VAL	Z25001	VAL	Z31001	VAL	Z31001	VAL	EM0040	VAL	Z41901	VAL
319-84-6	alpha-BHC	0.11	UJ	0.39	J	0.11	UJ	0.11	UJ	0.13	J	0.1	UJ
319-85-7	beta-BHC	0.11	U	0.11	U	0.24	J	0.11	U	0.1	U	0.1	UJ
319-86-8	delta-BHC	0.11	UJ	0.11	UJ	0.11	UJ	0.11	UJ	0.1	UJ	0.1	UJ
58-89-9	gamma-BHC (Lindane)	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.1	UJ
76-44-8	Heptachlor	0.11	J	0.11	U	0.11	U	0.11	U	0.1	U	0.1	UJ
309-00-2	Aldrin	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.1	UJ
1024-57-3	Heptachlor epoxide	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.1	UJ
959-98-8	Endosulfan I	0.22	U	0.11	U	0.22	U	0.22	U	0.21	U	0.1	UJ
60-57-1	Dieldrin	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
72-55-9	4,4'-DDE	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
72-20-8	Endrin	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
33213-65-9	Endosulfan II	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
72-54-8	4,4'-DDD	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
1031-07-8	Endosulfan sulfate	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
50-29-3	4,4'-DDT	0.22	UJ	0.36		0.22	U	0.22	UJ	0.21	U	0.21	UJ
72-43-5	Methoxychlor	1.1	UJ	1.1	U	1.1	U	1.1	UJ	1.	U	1.	UJ
53494-70-5	Endrin ketone	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
7421-93-4	Endrin aldehyde	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.21	UJ
5103-71-9	alpha-Chlordane	0.11	U	0.13	J	0.11	U	0.11	U	0.1	U	0.1	UJ
5103-74-2	gamma-Chlordane	0.11	U	0.11	U	0.11	U	0.11	U	0.1	U	0.1	UJ
8001-35-2	Toxaphene	11.	U	22.	U	11.	U	11.	U	10.	U	21.	UJ
12674-11-2	Aroclor-1016	2.2	U	2.2	U	2.2	U	2.2	U	2.1	U	2.1	UJ
11104-28-2	Aroclor-1221	4.2	U	4.3	U	4.2	U	4.2	U	4.1	U	4.2	UJ
11141-16-5	Aroclor-1232	2.2	U	2.2	U	2.2	U	2.2	U	2.1	U	2.1	UJ
53469-21-9	Aroclor-1242	2.2	U	2.2	U	2.2	U	2.2	U	2.1	U	2.1	UJ
12672-29-6	Aroclor-1248	2.2	U	2.2	U	2.2	U	2.2	U	2.1	U	2.1	UJ
11097-69-1	Aroclor-1254	2.2	U	2.2	U	2.2	U	2.2	U	2.1	U	2.1	UJ
11096-82-5	Aroclor-1260	2.2	J	4.5	J	1.	J	1.	J	1.1	J	2.1	UJ

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

PEST											
	SAMPLE ID ------->	040-M-Z420-01		040-M-Z421-01		040-M-Z422-01		040-M-Z423-01		040-M-Z424-01	
	ORIGINAL ID ----->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401	
	LAB SAMPLE ID --->	950930-02		950952-01		950952-02		950952-03		950952-04	
	ID FROM REPORT -->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401	
	SAMPLE DATE ----->	11/10/95		11/17/95		11/17/95		11/17/95		11/17/95	
	DATE EXTRACTED -->	11/14/95		11/21/95		11/21/95		11/21/95		11/21/95	
	DATE ANALYZED --->	12/08/95		12/17/95		12/17/95		12/17/95		12/18/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z41901	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL
319-84-6	alpha-BHC	0.1	UJ	0.18	J	0.15	J	0.1	U	0.22	J
319-85-7	beta-BHC	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
319-86-8	delta-BHC	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
58-89-9	gamma-BHC (Lindane)	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
76-44-8	Heptachlor	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
309-00-2	Aldrin	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
1024-57-3	Heptachlor epoxide	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
959-98-8	Endosulfan I	0.1	U	0.3	U	0.22	U	0.23	U	0.26	U
60-57-1	Dieldrin	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
72-55-9	4,4'-DDE	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
72-20-8	Endrin	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
33213-65-9	Endosulfan II	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
72-54-8	4,4'-DDD	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
1031-07-8	Endosulfan sulfate	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
50-29-3	4,4'-DDT	0.21	UJ	0.22	U	0.21	U	0.21	U	0.21	U
72-43-5	Methoxychlor	1.	U	1.1	U	1.	U	1.	U	1.	U
53494-70-5	Endrin ketone	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
7421-93-4	Endrin aldehyde	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
5103-71-9	alpha-Chlordane	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
5103-74-2	gamma-Chlordane	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U
8001-35-2	Toxaphene	21.	U	22.	U	21.	U	21.	U	21.	U
12674-11-2	Aroclor-1016	2.1	U	4.2	U	4.1	U	4.1	U	4.	U
11104-28-2	Aroclor-1221	4.1	U	8.5	U	8.2	U	8.3	U	8.1	U
11141-16-5	Aroclor-1232	2.1	U	4.2	U	4.1	U	4.1	U	4.	U
53469-21-9	Aroclor-1242	2.1	U	4.2	U	4.1	U	4.1	U	4.	U
12672-29-6	Aroclor-1248	2.1	U	4.2	U	4.1	U	4.1	U	4.	U
11097-69-1	Aroclor-1254	2.1	U	4.2	U	4.1	U	4.1	U	4.	U
11096-82-5	Aroclor-1260	3.1	J	4.2	U	4.1	U	4.1	U	4.	U

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z101-01		040-M-Z102-01		040-M-Z103-01		040-M-Z104-01		040-M-Z105-01		040-M-Z106-01	
	ORIGINAL ID ----->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	LAB SAMPLE ID --->	960084-16		960084-17		960084-18		960084-04		960084-05		960084-06	
	ID FROM REPORT -->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	SAMPLE DATE ----->	02/05/96		02/05/96		02/05/96		02/01/96		02/01/96		02/01/96	
	DATE EXTRACTED -->	02/11/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
	DATE ANALYZED --->	02/15/96		02/14/96		02/15/96		02/15/96		02/15/96		02/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
108-95-2	Phenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
111-44-4	bis(2-Chloroethyl)ether	46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
95-57-8	2-Chlorophenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
541-73-1	1,3-Dichlorobenzene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
106-46-7	1,4-Dichlorobenzene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
95-50-1	1,2-Dichlorobenzene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
95-48-7	2-Methylphenol (o-Cresol)	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460.	U	420.	U	380.	U	590.	UJ	1100.	U	1400.	U
106-44-5	4-Methylphenol (p-Cresol)	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
621-64-7	N-Nitroso-di-n-propylamine	46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
67-72-1	Hexachloroethane	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
98-95-3	Nitrobenzene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
78-59-1	Isophorone	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
88-75-5	2-Nitrophenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
105-67-9	2,4-Dimethylphenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
111-91-1	bis(2-Chloroethoxy)methane	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
120-83-2	2,4-Dichlorophenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
120-82-1	1,2,4-Trichlorobenzene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
91-20-3	Naphthalene	46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
106-47-8	4-Chloroaniline	460.	U	420.	UR	380.	UR	590.	UR	1100.	U	1400.	U
87-68-3	Hexachlorobutadiene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
59-50-7	4-Chloro-3-methylphenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
91-57-6	2-Methylnaphthalene	46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
77-47-4	Hexachlorocyclopentadiene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
88-06-2	2,4,6-Trichlorophenol	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
91-58-7	2-Chloronaphthalene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
88-74-4	2-Nitroaniline	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
131-11-3	Dimethylphthalate	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
208-96-8	Acenaphthylene	46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
606-20-2	2,6-Dinitrotoluene	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
99-09-2	3-Nitroaniline	1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
83-32-9	Acenaphthene	22.	U	20.	U	19.	U	28.	U	53.	U	69.	U
51-28-5	2,4-Dinitrophenol	1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
100-02-7	4-Nitrophenol	1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
132-64-9	Dibenzofuran	460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U

*** Validation Complete ***

SVOA													
		SAMPLE ID ------->	040-M-Z101-01		040-M-Z102-01		040-M-Z103-01		040-M-Z104-01		040-M-Z105-01		040-M-Z106-01	
		ORIGINAL ID ----->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
		LAB SAMPLE ID --->	960084-16		960084-17		960084-18		960084-04		960084-05		960084-06	
		ID FROM REPORT -->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
		SAMPLE DATE ----->	02/05/96		02/05/96		02/05/96		02/01/96		02/01/96		02/01/96	
		DATE EXTRACTED -->	02/11/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
		DATE ANALYZED --->	02/15/96		02/14/96		02/15/96		02/15/96		02/15/96		02/15/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
121-14-2	2,4-Dinitrotoluene		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
84-66-2	Diethylphthalate		460.	U	420.	U	23.	J	590.	U	1100.	U	1400.	U
7005-72-3	4-Chlorophenylphenyl ether		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
86-73-7	Fluorene		22.	U	20.	U	19.	U	28.	U	53.	U	69.	U
100-01-6	4-Nitroaniline		1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
86-30-6	N-Nitrosodiphenylamine		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
101-55-3	4-Bromophenyl-phenylether		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
118-74-1	Hexachlorobenzene		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
87-86-5	Pentachlorophenol		1100.	U	1000.	U	930.	U	1400.	U	2700.	U	3500.	U
85-01-8	Phenanthrene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
120-12-7	Anthracene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
84-74-2	Di-n-butylphthalate		460.	U	420.	U	26.	J	590.	U	1100.	U	1400.	U
206-44-0	Fluoranthene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
86-74-8	Carbazole		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
129-00-0	Pyrene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
85-68-7	Butylbenzylphthalate		35.	J	22.	J	380.	U	590.	U	1100.	U	1400.	U
91-94-1	3,3'-Dichlorobenzidine		460.	U	420.	UJ	380.	UJ	590.	UJ	1100.	U	1400.	U
56-55-3	Benzo(a)anthracene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
218-01-9	Chrysene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		88.	J	24.	J	32.	J	41.	J	59.	J	180.	J
117-84-0	Di-n-octylphthalate		460.	U	420.	U	380.	U	590.	U	1100.	U	1400.	U
205-99-2	Benzo(b)fluoranthene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
207-08-9	Benzo(k)fluoranthene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
50-32-8	Benzo(a)pyrene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
193-39-5	Indeno(1,2,3-cd)pyrene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
53-70-3	Dibenz(a,h)anthracene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
191-24-2	Benzo(g,h,i)perylene		46.	U	42.	U	38.	U	59.	U	110.	U	140.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z107-01		040-M-Z108-01		040-M-Z109-01		040-M-Z110-01		040-M-Z111-01		040-M-Z112-01	
	ORIGINAL ID ----->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	LAB SAMPLE ID --->	960084-07		960084-08		960084-09		960084-10		960084-11		960084-12	
	ID FROM REPORT -->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	SAMPLE DATE ----->	02/01/96		02/01/96		02/01/96		02/01/96		02/01/96		02/01/96	
	DATE EXTRACTED -->	02/11/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
	DATE ANALYZED --->	02/15/96		02/15/96		02/15/96		02/15/96		02/15/96		02/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
108-95-2	Phenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
111-44-4	bis(2-Chloroethyl)ether	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
95-57-8	2-Chlorophenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
541-73-1	1,3-Dichlorobenzene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
106-46-7	1,4-Dichlorobenzene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
95-50-1	1,2-Dichlorobenzene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
95-48-7	2-Methylphenol (o-Cresol)	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300.	UJ	400.	U	1300.	U	410.	U	400.	U	1700.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
621-64-7	N-Nitroso-di-n-propylamine	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
67-72-1	Hexachloroethane	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
98-95-3	Nitrobenzene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
78-59-1	Isophorone	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
88-75-5	2-Nitrophenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
105-67-9	2,4-Dimethylphenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
111-91-1	bis(2-Chloroethoxy)methane	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
120-83-2	2,4-Dichlorophenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
120-82-1	1,2,4-Trichlorobenzene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
91-20-3	Naphthalene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
106-47-8	4-Chloroaniline	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
87-68-3	Hexachlorobutadiene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
59-50-7	4-Chloro-3-methylphenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
91-57-6	2-Methylnaphthalene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
77-47-4	Hexachlorocyclopentadiene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
95-95-4	2,4,5-Trichlorophenol	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
91-58-7	2-Chloronaphthalene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
88-74-4	2-Nitroaniline	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
131-11-3	Dimethylphthalate	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
208-96-8	Acenaphthylene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
606-20-2	2,6-Dinitrotoluene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
99-09-2	3-Nitroaniline	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
83-32-9	Acenaphthene	62.	U	19.	U	63.	U	20.	U	19.	U	84.	U
51-28-5	2,4-Dinitrophenol	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
100-02-7	4-Nitrophenol	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
132-64-9	Dibenzofuran	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z107-01		040-M-Z108-01		040-M-Z109-01		040-M-Z110-01		040-M-Z111-01		040-M-Z112-01	
	ORIGINAL ID ----->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	LAB SAMPLE ID --->	960084-07		960084-08		960084-09		960084-10		960084-11		960084-12	
	ID FROM REPORT -->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	SAMPLE DATE ----->	02/01/96		02/01/96		02/01/96		02/01/96		02/01/96		02/01/96	
	DATE EXTRACTED -->	02/11/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
	DATE ANALYZED --->	02/15/96		02/15/96		02/15/96		02/15/96		02/15/96		02/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
121-14-2	2,4-Dinitrotoluene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
84-66-2	Diethylphthalate	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
7005-72-3	4-Chlorophenylphenyl ether	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
86-73-7	Fluorene	62.	U	19.	U	63.	U	20.	U	19.	U	84.	U
100-01-6	4-Nitroaniline	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
86-30-6	N-Nitrosodiphenylamine	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
101-55-3	4-Bromophenyl-phenylether	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
118-74-1	Hexachlorobenzene	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
87-86-5	Pentachlorophenol	3100.	U	970.	U	3200.	U	1000.	U	970.	U	4200.	U
85-01-8	Phenanthrene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
120-12-7	Anthracene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
84-74-2	Di-n-butylphthalate	64.	J	400.	U	1300.	U	410.	U	400.	U	1700.	U
206-44-0	Fluoranthene	75.	J	40.	U	130.	U	41.	U	40.	U	170.	U
86-74-8	Carbazole	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
129-00-0	Pyrene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
85-68-7	Butylbenzylphthalate	1300.	U	400.	U	1300.	U	21.	J	400.	U	1700.	U
91-94-1	3,3'-Dichlorobenzidine	1300.	U	400.	UJ	1300.	U	410.	U	400.	U	1700.	U
56-55-3	Benzo(a)anthracene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
218-01-9	Chrysene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	510.	J	41.	J	1300.	U	21.	J	34.	J	110.	J
117-84-0	Di-n-octylphthalate	1300.	U	400.	U	1300.	U	410.	U	400.	U	1700.	U
205-99-2	Benzo(b)fluoranthene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
207-08-9	Benzo(k)fluoranthene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
50-32-8	Benzo(a)pyrene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
193-39-5	Indeno(1,2,3-cd)pyrene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
53-70-3	Dibenz(a,h)anthracene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
191-24-2	Benzo(g,h,i)perylene	130.	U	40.	U	130.	U	41.	U	40.	U	170.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z113-01		040-M-Z114-01		040-M-Z115-01		040-M-Z116-01		040-M-Z117-01		040-M-Z118-01	
	ORIGINAL ID ----->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
	LAB SAMPLE ID --->	960084-13		960065-12		960065-13		960065-14		960065-15		960065-16	
	ID FROM REPORT -->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
	SAMPLE DATE ----->	02/01/96		01/26/96		01/26/96		01/26/96		01/26/96		01/26/96	
	DATE EXTRACTED -->	02/11/96		02/03/96		02/03/96		02/03/96		02/03/96		02/03/96	
	DATE ANALYZED --->	02/14/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
108-95-2	Phenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
111-44-4	bis(2-Chloroethyl)ether	52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
95-57-8	2-Chlorophenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
541-73-1	1,3-Dichlorobenzene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
106-46-7	1,4-Dichlorobenzene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
95-50-1	1,2-Dichlorobenzene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
95-48-7	2-Methylphenol (o-Cresol)	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
106-44-5	4-Methylphenol (p-Cresol)	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
621-64-7	N-Nitroso-di-n-propylamine	52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
67-72-1	Hexachloroethane	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
98-95-3	Nitrobenzene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
78-59-1	Isophorone	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
88-75-5	2-Nitrophenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
105-67-9	2,4-Dimethylphenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
111-91-1	bis(2-Chloroethoxy)methane	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
120-83-2	2,4-Dichlorophenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
120-82-1	1,2,4-Trichlorobenzene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
91-20-3	Naphthalene	52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
106-47-8	4-Chloroaniline	520.	U	1600.	UR	990.	UR	1200.	UR	420.	UR	410.	UR
87-68-3	Hexachlorobutadiene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
59-50-7	4-Chloro-3-methylphenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
91-57-6	2-Methylnaphthalene	52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
77-47-4	Hexachlorocyclopentadiene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
88-06-2	2,4,6-Trichlorophenol	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
91-58-7	2-Chloronaphthalene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
88-74-4	2-Nitroaniline	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
131-11-3	Dimethylphthalate	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
208-96-8	Acenaphthylene	52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
606-20-2	2,6-Dinitrotoluene	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
99-09-2	3-Nitroaniline	1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
83-32-9	Acenaphthene	25.	U	79.	U	48.	U	59.	U	21.	U	20.	U
51-28-5	2,4-Dinitrophenol	1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
100-02-7	4-Nitrophenol	1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
132-64-9	Dibenzofuran	520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U

*** Validation Complete ***

SVOA													
		SAMPLE ID ------->	040-M-Z113-01		040-M-Z114-01		040-M-Z115-01		040-M-Z116-01		040-M-Z117-01		040-M-Z118-01	
		ORIGINAL ID ----->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
		LAB SAMPLE ID --->	960084-13		960065-12		960065-13		960065-14		960065-15		960065-16	
		ID FROM REPORT -->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
		SAMPLE DATE ----->	02/01/96		01/26/96		01/26/96		01/26/96		01/26/96		01/26/96	
		DATE EXTRACTED -->	02/11/96		02/03/96		02/03/96		02/03/96		02/03/96		02/03/96	
		DATE ANALYZED --->	02/14/96		02/11/96		02/11/96		02/11/96		02/11/96		02/11/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		MZ6020	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
121-14-2	2,4-Dinitrotoluene		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
84-66-2	Diethylphthalate		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
7005-72-3	4-Chlorophenylphenyl ether		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
86-73-7	Fluorene		25.	U	79.	U	48.	U	59.	U	21.	U	20.	U
100-01-6	4-Nitroaniline		1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
86-30-6	N-Nitrosodiphenylamine		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
101-55-3	4-Bromophenyl-phenylether		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
118-74-1	Hexachlorobenzene		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
87-86-5	Pentachlorophenol		1300.	U	3900.	U	2400.	U	2900.	U	1000.	U	1000.	U
85-01-8	Phenanthrene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
120-12-7	Anthracene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
84-74-2	Di-n-butylphthalate		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
206-44-0	Fluoranthene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
86-74-8	Carbazole		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
129-00-0	Pyrene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
85-68-7	Butylbenzylphthalate		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
91-94-1	3,3'-Dichlorobenzidine		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
56-55-3	Benzo(a)anthracene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
218-01-9	Chrysene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		41.	J	1600.	U	990.	U	1200.	U	420.	U	410.	U
117-84-0	Di-n-octylphthalate		520.	U	1600.	U	990.	U	1200.	U	420.	U	410.	U
205-99-2	Benzo(b)fluoranthene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
207-08-9	Benzo(k)fluoranthene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
50-32-8	Benzo(a)pyrene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
193-39-5	Indeno(1,2,3-cd)pyrene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
53-70-3	Dibenz(a,h)anthracene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
191-24-2	Benzo(g,h,i)perylene		52.	U	160.	U	99.	U	120.	U	42.	U	41.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z119-01		040-M-Z120-01		040-M-Z121-01		040-M-Z122-01		040-M-Z123-01		040-M-Z124-01	
	ORIGINAL ID ----->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
	LAB SAMPLE ID --->	960065-17		960065-18		960065-19		960065-03		960065-04		960065-05	
	ID FROM REPORT -->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
	SAMPLE DATE ----->	01/26/96		01/26/96		01/26/96		01/25/96		01/25/96		01/25/96	
	DATE EXTRACTED -->	02/03/96		02/03/96		02/03/96		02/03/96		02/03/96		02/03/96	
	DATE ANALYZED --->	02/11/96		02/11/96		02/11/96		02/10/96		02/10/96		02/12/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
108-95-2	Phenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
111-44-4	bis(2-Chloroethyl)ether	170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
95-57-8	2-Chlorophenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
541-73-1	1,3-Dichlorobenzene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
106-46-7	1,4-Dichlorobenzene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
95-50-1	1,2-Dichlorobenzene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
95-48-7	2-Methylphenol (o-Cresol)	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
106-44-5	4-Methylphenol (p-Cresol)	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
621-64-7	N-Nitroso-di-n-propylamine	170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
67-72-1	Hexachloroethane	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
98-95-3	Nitrobenzene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
78-59-1	Isophorone	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
88-75-5	2-Nitrophenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
105-67-9	2,4-Dimethylphenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
111-91-1	bis(2-Chloroethoxy)methane	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
120-83-2	2,4-Dichlorophenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
120-82-1	1,2,4-Trichlorobenzene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
91-20-3	Naphthalene	170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
106-47-8	4-Chloroaniline	1700.	UR	1400.	UR	400.	UR	2100.	UR	380.	UR	410.	U
87-68-3	Hexachlorobutadiene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
59-50-7	4-Chloro-3-methylphenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
91-57-6	2-Methylnaphthalene	170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
77-47-4	Hexachlorocyclopentadiene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
88-06-2	2,4,6-Trichlorophenol	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
95-95-4	2,4,5-Trichlorophenol	4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
91-58-7	2-Chloronaphthalene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
88-74-4	2-Nitroaniline	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
131-11-3	Dimethylphthalate	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
208-96-8	Acenaphthylene	170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
606-20-2	2,6-Dinitrotoluene	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
99-09-2	3-Nitroaniline	4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
83-32-9	Acenaphthene	83.	U	66.	U	20.	U	100.	U	18.	U	20.	U
51-28-5	2,4-Dinitrophenol	4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
100-02-7	4-Nitrophenol	4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
132-64-9	Dibenzofuran	1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U

*** Validation Complete ***

SVOA													
		SAMPLE ID ------->	040-M-Z119-01		040-M-Z120-01		040-M-Z121-01		040-M-Z122-01		040-M-Z123-01		040-M-Z124-01	
		ORIGINAL ID ----->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
		LAB SAMPLE ID --->	960065-17		960065-18		960065-19		960065-03		960065-04		960065-05	
		ID FROM REPORT -->	040MZ11901		040MZ12001		040MZ12101		040MZ12201		040MZ12301		040MZ12401	
		SAMPLE DATE ----->	01/26/96		01/26/96		01/26/96		01/25/96		01/25/96		01/25/96	
		DATE EXTRACTED -->	02/03/96		02/03/96		02/03/96		02/03/96		02/03/96		02/03/96	
		DATE ANALYZED --->	02/11/96		02/11/96		02/11/96		02/10/96		02/10/96		02/12/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
121-14-2	2,4-Dinitrotoluene		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
84-66-2	Diethylphthalate		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
7005-72-3	4-Chlorophenylphenyl ether		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
86-73-7	Fluorene		83.	U	66.	U	20.	U	100.	U	18.	U	20.	U
100-01-6	4-Nitroaniline		4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
86-30-6	N-Nitrosodiphenylamine		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
101-55-3	4-Bromophenyl-phenylether		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
118-74-1	Hexachlorobenzene		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
87-86-5	Pentachlorophenol		4100.	U	3300.	U	980.	U	5000.	U	920.	U	980.	U
85-01-8	Phenanthrene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
120-12-7	Anthracene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
84-74-2	Di-n-butylphthalate		1700.	U	78.	J	21.	J	2100.	U	380.	U	410.	U
206-44-0	Fluoranthene		170.	U	77.	J	40.	U	110.	J	21.	J	41.	U
86-74-8	Carbazole		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
129-00-0	Pyrene		170.	U	74.	J	40.	U	210.	U	38.	U	41.	U
85-68-7	Butylbenzylphthalate		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
91-94-1	3,3'-Dichlorobenzidine		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
56-55-3	Benzo(a)anthracene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
218-01-9	Chrysene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
117-84-0	Di-n-octylphthalate		1700.	U	1400.	U	400.	U	2100.	U	380.	U	410.	U
205-99-2	Benzo(b)fluoranthene		91.	J	92.	J	40.	U	110.	J	38.	U	41.	U
207-08-9	Benzo(k)fluoranthene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
50-32-8	Benzo(a)pyrene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
193-39-5	Indeno(1,2,3-cd)pyrene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
53-70-3	Dibenz(a,h)anthracene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
191-24-2	Benzo(g,h,i)perylene		170.	U	140.	U	40.	U	210.	U	38.	U	41.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z125-01		040-M-Z126-01		040-M-Z127-01		040-M-Z128-01		040-M-Z129-01		040-M-Z130-01	
		ORIGINAL ID ----->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
		LAB SAMPLE ID --->	960065-06		960065-07		960065-08		960065-09		960065-10		960040-12	
		ID FROM REPORT -->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
		SAMPLE DATE ----->	01/25/96		01/25/96		01/25/96		01/25/96		01/25/96		01/24/96	
		DATE EXTRACTED -->	02/03/96		02/03/96		02/03/96		02/03/96		02/03/96		01/28/96	
		DATE ANALYZED --->	02/11/96		02/11/96		02/11/96		02/13/96		02/11/96		02/09/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	Z25001	VAL
108-95-2	Phenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
111-44-4	bis(2-Chloroethyl)ether		41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
95-57-8	2-Chlorophenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
541-73-1	1,3-Dichlorobenzene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
106-46-7	1,4-Dichlorobenzene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
95-50-1	1,2-Dichlorobenzene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
95-48-7	2-Methylphenol (o-Cresol)		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
108-60-1	2,2'-oxybis(1-Chloropropane)		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
106-44-5	4-Methylphenol (p-Cresol)		410.	U	420.	U	420.	U	420.	U	1900.	U	150.	J
621-64-7	N-Nitroso-di-n-propylamine		41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
67-72-1	Hexachloroethane		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
98-95-3	Nitrobenzene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
78-59-1	Isophorone		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
88-75-5	2-Nitrophenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
105-67-9	2,4-Dimethylphenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
111-91-1	bis(2-Chloroethoxy)methane		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
120-83-2	2,4-Dichlorophenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
120-82-1	1,2,4-Trichlorobenzene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
91-20-3	Naphthalene		41.	U	42.	U	42.	U	42.	U	190.	U	120.	J
106-47-8	4-Chloroaniline		410.	UR	420.	UR	420.	UR	420.	U	1900.	UR	1500.	U
87-68-3	Hexachlorobutadiene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
59-50-7	4-Chloro-3-methylphenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
91-57-6	2-Methylnaphthalene		41.	U	42.	U	42.	U	42.	U	190.	U	94.	J
77-47-4	Hexachlorocyclopentadiene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
88-06-2	2,4,6-Trichlorophenol		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
95-95-4	2,4,5-Trichlorophenol		990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
91-58-7	2-Chloronaphthalene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
88-74-4	2-Nitroaniline		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
131-11-3	Dimethylphthalate		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
208-96-8	Acenaphthylene		41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
606-20-2	2,6-Dinitrotoluene		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
99-09-2	3-Nitroaniline		990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
83-32-9	Acenaphthene		20.	U	21.	U	20.	U	20.	U	94.	U	72.	U
51-28-5	2,4-Dinitrophenol		990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
100-02-7	4-Nitrophenol		990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
132-64-9	Dibenzofuran		410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z125-01		040-M-Z126-01		040-M-Z127-01		040-M-Z128-01		040-M-Z129-01		040-M-Z130-01	
	ORIGINAL ID ----->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
	LAB SAMPLE ID --->	960065-06		960065-07		960065-08		960065-09		960065-10		960040-12	
	ID FROM REPORT -->	040MZ12501		040MZ12601		040MZ12701		040MZ12801		040MZ12901		040MZ13001	
	SAMPLE DATE ----->	01/25/96		01/25/96		01/25/96		01/25/96		01/25/96		01/24/96	
	DATE EXTRACTED -->	02/03/96		02/03/96		02/03/96		02/03/96		02/03/96		01/28/96	
	DATE ANALYZED --->	02/11/96		02/11/96		02/11/96		02/13/96		02/11/96		02/09/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	Z25001	VAL
121-14-2	2,4-Dinitrotoluene	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
84-66-2	Diethylphthalate	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
7005-72-3	4-Chlorophenylphenyl ether	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
86-73-7	Fluorene	20.	U	21.	U	20.	U	20.	U	94.	U	72.	U
100-01-6	4-Nitroaniline	990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
86-30-6	N-Nitrosodiphenylamine	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
101-55-3	4-Bromophenyl-phenylether	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
118-74-1	Hexachlorobenzene	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
87-86-5	Pentachlorophenol	990.	U	1000.	U	1000.	U	1000.	U	4700.	U	3600.	U
85-01-8	Phenanthrene	41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
120-12-7	Anthracene	41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
84-74-2	Di-n-butylphthalate	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
206-44-0	Fluoranthene	41.	U	42.	U	42.	U	42.	U	100.	J	140.	J
86-74-8	Carbazole	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
129-00-0	Pyrene	41.	U	42.	U	42.	U	42.	U	190.	U	110.	J
85-68-7	Butylbenzylphthalate	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
56-55-3	Benzo(a)anthracene	41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
218-01-9	Chrysene	41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	410.	U	420.	U	420.	U	420.	U	2400.		1500.	U
117-84-0	Di-n-octylphthalate	410.	U	420.	U	420.	U	420.	U	1900.	U	1500.	U
205-99-2	Benzo(b)fluoranthene	41.	U	42.	U	42.	U	42.	U	120.	J	140.	J
207-08-9	Benzo(k)fluoranthene	41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
50-32-8	Benzo(a)pyrene	41.	U	42.	U	42.	U	42.	U	190.	U	85.	J
193-39-5	Indeno(1,2,3-cd)pyrene	41.	U	42.	U	42.	U	42.	U	190.	U	76.	J
53-70-3	Dibenz(a,h)anthracene	41.	U	42.	U	42.	U	42.	U	190.	U	150.	U
191-24-2	Benzo(g,h,i)perylene	41.	U	42.	U	42.	U	42.	U	190.	U	85.	J
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z131-01		040-M-Z132-01		040-M-Z133-01		040-M-Z134-01		040-M-Z135-01		040-M-Z136-01	
	ORIGINAL ID ----->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
	LAB SAMPLE ID --->	960040-13		960040-14		960040-15		960084-19		960040-16		960040-17	
	ID FROM REPORT -->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
	SAMPLE DATE ----->	01/24/96		01/24/96		01/24/96		02/05/96		01/24/96		01/24/96	
	DATE EXTRACTED -->	01/28/96		01/28/96		01/28/96		02/11/96		01/28/96		01/28/96	
	DATE ANALYZED --->	02/06/96		02/06/96		02/08/96		02/15/96		02/08/96		02/07/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z25001	VAL	MZ6020	VAL	Z25001	VAL	Z25001	VAL
108-95-2	Phenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
111-44-4	bis(2-Chloroethyl)ether	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
95-57-8	2-Chlorophenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
541-73-1	1,3-Dichlorobenzene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
106-46-7	1,4-Dichlorobenzene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
95-50-1	1,2-Dichlorobenzene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
95-48-7	2-Methylphenol (o-Cresol)	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
106-44-5	4-Methylphenol (p-Cresol)	32.	J	400.	U	410.	U	400.	U	410.	U	190.	J
621-64-7	N-Nitroso-di-n-propylamine	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
67-72-1	Hexachloroethane	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
98-95-3	Nitrobenzene	410.	U	400.	U	410.	U	90.	J	410.	U	2400.	U
78-59-1	Isophorone	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
88-75-5	2-Nitrophenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
105-67-9	2,4-Dimethylphenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
120-83-2	2,4-Dichlorophenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
91-20-3	Naphthalene	30.	J	40.	U	26.	J	40.	U	23.	J	140.	J
106-47-8	4-Chloroaniline	410.	U	400.	U	410.	U	61.	J	410.	U	2400.	U
87-68-3	Hexachlorobutadiene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
59-50-7	4-Chloro-3-methylphenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
91-57-6	2-Methylnaphthalene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
77-47-4	Hexachlorocyclopentadiene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
88-06-2	2,4,6-Trichlorophenol	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U	970.	U	990.	U	980.	U	990.	U	5700.	U
91-58-7	2-Chloronaphthalene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
88-74-4	2-Nitroaniline	410.	U	400.	U	410.	U	23.	J	410.	U	2400.	U
131-11-3	Dimethylphthalate	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
208-96-8	Acenaphthylene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
606-20-2	2,6-Dinitrotoluene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
99-09-2	3-Nitroaniline	1000.	U	970.	U	990.	U	200.	J	990.	U	5700.	U
83-32-9	Acenaphthene	20.	U	19.	U	20.	U	20.	U	20.	U	110.	U
51-28-5	2,4-Dinitrophenol	1000.	U	970.	U	990.	UJ	980.	U	990.	UJ	5700.	U
100-02-7	4-Nitrophenol	1000.	U	970.	U	990.	U	980.	U	990.	U	5700.	U
132-64-9	Dibenzofuran	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

SVOA													
	SAMPLE ID ------->	040-M-Z131-01		040-M-Z132-01		040-M-Z133-01		040-M-Z134-01		040-M-Z135-01		040-M-Z136-01	
	ORIGINAL ID ----->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
	LAB SAMPLE ID --->	960040-13		960040-14		960040-15		960084-19		960040-16		960040-17	
	ID FROM REPORT -->	040MZ13101		040MZ13201		040MZ13301		040MZ13401		040MZ13501		040MZ13601	
	SAMPLE DATE ----->	01/24/96		01/24/96		01/24/96		02/05/96		01/24/96		01/24/96	
	DATE EXTRACTED -->	01/28/96		01/28/96		01/28/96		02/11/96		01/28/96		01/28/96	
	DATE ANALYZED --->	02/06/96		02/06/96		02/08/96		02/15/96		02/08/96		02/07/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z25001	VAL	MZ6020	VAL	Z25001	VAL	Z25001	VAL
121-14-2	2,4-Dinitrotoluene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
84-66-2	Diethylphthalate	410.	U	400.	U	410.	U	1800.		410.	U	2400.	U
7005-72-3	4-Chlorophenylphenyl ether	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
86-73-7	Fluorene	20.	U	19.	U	20.	U	20.	U	20.	U	110.	U
100-01-6	4-Nitroaniline	1000.	U	970.	U	990.	UJ	140.	J	990.	UJ	5700.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1000.	U	970.	U	990.	U	980.	U	990.	U	5700.	U
86-30-6	N-Nitrosodiphenylamine	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
101-55-3	4-Bromophenyl-phenylether	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
118-74-1	Hexachlorobenzene	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
87-86-5	Pentachlorophenol	1000.	U	970.	U	990.	U	980.	U	990.	U	5700.	U
85-01-8	Phenanthrene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
120-12-7	Anthracene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
84-74-2	Di-n-butylphthalate	410.	U	31.	J	28.	J	400.	U	24.	J	270.	J
206-44-0	Fluoranthene	410.	U	400.	U	410.	U	40.	U	410.	U	200.	J
86-74-8	Carbazole	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
129-00-0	Pyrene	41.	U	40.	U	41.	U	40.	U	41.	U	150.	J
85-68-7	Butylbenzylphthalate	410.	U	26.	J	22.	J	400.	U	24.	J	170.	J
91-94-1	3,3'-Dichlorobenzidine	410.	U	400.	U	410.	U	400.	UJ	410.	U	2400.	U
56-55-3	Benzo(a)anthracene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
218-01-9	Chrysene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	410.	U	400.	U	30.	J	54.	J	33.	J	120.	J
117-84-0	Di-n-octylphthalate	410.	U	400.	U	410.	U	400.	U	410.	U	2400.	U
205-99-2	Benzo(b)fluoranthene	41.	U	40.	U	41.	U	40.	U	41.	U	170.	J
207-08-9	Benzo(k)fluoranthene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
50-32-8	Benzo(a)pyrene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
193-39-5	Indeno(1,2,3-cd)pyrene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
53-70-3	Dibenz(a,h)anthracene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
191-24-2	Benzo(g,h,i)perylene	41.	U	40.	U	41.	U	40.	U	41.	U	240.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z137-01		040-M-Z138-01		040-M-Z201-01		040-M-Z202-01		040-M-Z203-01		040-M-Z204-01		
		ORIGINAL ID ----->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401		
		LAB SAMPLE ID --->	960040-18		960040-19		960010-17		960010-18		960010-19		960010-20		
		ID FROM REPORT -->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401		
		SAMPLE DATE ----->	01/24/96		01/24/96		01/12/96		01/12/96		01/12/96		01/12/96		
		DATE EXTRACTED -->	01/28/96		01/28/96		01/16/96		01/16/96		01/16/96		01/16/96		
		DATE ANALYZED --->	02/06/96		02/06/96		01/23/96		01/23/96		01/23/96		01/23/96		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		Z25001	VAL	Z25001	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	
108-95-2	Phenol		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
111-44-4	bis(2-Chloroethyl)ether		190.	U	40.	U	42.	U	41.	U	43.	U	42.	U	
95-57-8	2-Chlorophenol		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
541-73-1	1,3-Dichlorobenzene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
106-46-7	1,4-Dichlorobenzene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
95-50-1	1,2-Dichlorobenzene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
95-48-7	2-Methylphenol (o-Cresol)		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
108-60-1	2,2'-oxybis(1-Chloropropane)		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
106-44-5	4-Methylphenol (p-Cresol)		200.	J	29.	J	420.	U	410.	U	430.	U	420.	U	
621-64-7	N-Nitroso-di-n-propylamine		190.	U	40.	U	42.	U	41.	U	43.	U	42.	U	
67-72-1	Hexachloroethane		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
98-95-3	Nitrobenzene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
78-59-1	Isophorone		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
88-75-5	2-Nitrophenol		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
105-67-9	2,4-Dimethylphenol		98.	J	400.	U	420.	U	410.	U	430.	U	420.	U	
111-91-1	bis(2-Chloroethoxy)methane		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
120-83-2	2,4-Dichlorophenol		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
120-82-1	1,2,4-Trichlorobenzene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
91-20-3	Naphthalene		120.	J	22.	J	42.	U	41.	U	43.	U	42.	U	
106-47-8	4-Chloroaniline		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
87-68-3	Hexachlorobutadiene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
59-50-7	4-Chloro-3-methylphenol		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
91-57-6	2-Methylnaphthalene		190.	U	40.	U	42.	U	41.	U	43.	U	42.	U	
77-47-4	Hexachlorocyclopentadiene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
88-06-2	2,4,6-Trichlorophenol		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
95-95-4	2,4,5-Trichlorophenol		4600.	U	970.	U	1000.	U	990.	U	1000.	U	1000.	U	
91-58-7	2-Chloronaphthalene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
88-74-4	2-Nitroaniline		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
131-11-3	Dimethylphthalate		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
208-96-8	Acenaphthylene		190.	U	40.	U	42.	U	41.	U	43.	U	42.	U	
606-20-2	2,6-Dinitrotoluene		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	
99-09-2	3-Nitroaniline		4600.	U	970.	U	1000.	U	990.	U	1000.	U	1000.	U	
83-32-9	Acenaphthene		93.	U	19.	U	20.	U	20.	U	21.	U	21.	U	
51-28-5	2,4-Dinitrophenol		4600.	U	970.	U	1000.	U	990.	U	1000.	U	1000.	U	
100-02-7	4-Nitrophenol		4600.	U	970.	U	1000.	U	990.	U	1000.	U	1000.	U	
132-64-9	Dibenzofuran		1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z137-01		040-M-Z138-01		040-M-Z201-01		040-M-Z202-01		040-M-Z203-01		040-M-Z204-01	
	ORIGINAL ID ----->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401	
	LAB SAMPLE ID --->	960040-18		960040-19		960010-17		960010-18		960010-19		960010-20	
	ID FROM REPORT -->	040MZ13701		040MZ13801		040MZ20101		040MZ20201		040MZ20301		040MZ20401	
	SAMPLE DATE ----->	01/24/96		01/24/96		01/12/96		01/12/96		01/12/96		01/12/96	
	DATE EXTRACTED -->	01/28/96		01/28/96		01/16/96		01/16/96		01/16/96		01/16/96	
	DATE ANALYZED --->	02/06/96		02/06/96		01/23/96		01/23/96		01/23/96		01/23/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL
121-14-2	2,4-Dinitrotoluene	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
84-66-2	Diethylphthalate	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
7005-72-3	4-Chlorophenylphenyl ether	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
86-73-7	Fluorene	93.	U	19.	U	20.	U	20.	U	21.	U	21.	U
100-01-6	4-Nitroaniline	4600.	U	970.	U	1000.	U	990.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	4600.	U	970.	U	1000.	UJ	990.	UJ	1000.	UJ	1000.	UJ
86-30-6	N-Nitrosodiphenylamine	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
101-55-3	4-Bromophenyl-phenylether	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
118-74-1	Hexachlorobenzene	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
87-86-5	Pentachlorophenol	4600.	U	970.	U	1000.	U	990.	U	1000.	U	1000.	U
85-01-8	Phenanthrene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
120-12-7	Anthracene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
84-74-2	Di-n-butylphthalate	200.	J	39.	J	420.	U	410.	U	430.	U	420.	U
206-44-0	Fluoranthene	130.	J	400.	U	42.	U	41.	U	43.	U	42.	U
86-74-8	Carbazole	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
129-00-0	Pyrene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
85-68-7	Butylbenzylphthalate	130.	J	32.	J	420.	U	410.	U	430.	U	420.	U
91-94-1	3,3'-Dichlorobenzidine	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
56-55-3	Benzo(a)anthracene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
218-01-9	Chrysene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	110.	J	22.	J	510.		410.	U	430.	U	420.	U
117-84-0	Di-n-octylphthalate	1900.	U	400.	U	420.	U	410.	U	430.	U	420.	U
205-99-2	Benzo(b)fluoranthene	120.	J	40.	U	42.	U	41.	U	43.	U	42.	U
207-08-9	Benzo(k)fluoranthene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
50-32-8	Benzo(a)pyrene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
193-39-5	Indeno(1,2,3-cd)pyrene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
53-70-3	Dibenz(a,h)anthracene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
191-24-2	Benzo(g,h,i)perylene	190.	U	40.	U	42.	U	41.	U	43.	U	42.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA																	
		SAMPLE ID ------->	040-M-Z205-01		040-M-Z206-01		040-M-Z207-01		040-M-Z208-01		040-M-Z209-01		040-M-Z210-01	
		ORIGINAL ID ----->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
		LAB SAMPLE ID --->	960084-20		960015-01		960015-02		960005-12		960005-11		960015-03	
		ID FROM REPORT -->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
		SAMPLE DATE ----->	02/05/96		01/12/96		01/12/96		01/05/96		01/05/96		01/12/96	
		DATE EXTRACTED -->	02/11/96		01/16/96		01/16/96		01/10/96		01/10/96		01/16/96	
		DATE ANALYZED --->	02/15/96		01/25/96		01/23/96		01/16/96		01/16/96		01/23/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		MZ6020	VAL	Z20601	VAL	Z20601	VAL	Z22401	VAL	Z22401	VAL	Z20601	VAL
108-95-2	Phenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
111-44-4	bis(2-Chloroethyl)ether		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
95-57-8	2-Chlorophenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
541-73-1	1,3-Dichlorobenzene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
106-46-7	1,4-Dichlorobenzene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
95-50-1	1,2-Dichlorobenzene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
95-48-7	2-Methylphenol (o-Cresol)		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
108-60-1	2,2'-oxybis(1-Chloropropane)		1900.	U	1900.	U	430.	U	400.	UJ	400.	UJ	410.	U
106-44-5	4-Methylphenol (p-Cresol)		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
621-64-7	N-Nitroso-di-n-propylamine		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
67-72-1	Hexachloroethane		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
98-95-3	Nitrobenzene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
78-59-1	Isophorone		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
88-75-5	2-Nitrophenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
105-67-9	2,4-Dimethylphenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
111-91-1	bis(2-Chloroethoxy)methane		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
120-83-2	2,4-Dichlorophenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
120-82-1	1,2,4-Trichlorobenzene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
91-20-3	Naphthalene		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
106-47-8	4-Chloroaniline		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
87-68-3	Hexachlorobutadiene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
59-50-7	4-Chloro-3-methylphenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
91-57-6	2-Methylnaphthalene		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
77-47-4	Hexachlorocyclopentadiene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
88-06-2	2,4,6-Trichlorophenol		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
95-95-4	2,4,5-Trichlorophenol		4700.	U	4700.	U	1100.	U	970.	U	970.	U	1000.	U
91-58-7	2-Chloronaphthalene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
88-74-4	2-Nitroaniline		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
131-11-3	Dimethylphthalate		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
208-96-8	Acenaphthylene		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
606-20-2	2,6-Dinitrotoluene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
99-09-2	3-Nitroaniline		4700.	U	4700.	U	1100.	U	970.	U	970.	U	1000.	U
83-32-9	Acenaphthene		94.	U	94.	U	21.	U	19.	U	19.	U	20.	U
51-28-5	2,4-Dinitrophenol		4700.	U	4700.	U	1100.	U	970.	UJ	970.	UJ	1000.	U
100-02-7	4-Nitrophenol		4700.	U	4700.	U	1100.	U	970.	U	970.	U	1000.	U
132-64-9	Dibenzofuran		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U

*** Validation Complete ***

SVOA																	
		SAMPLE ID ------->	040-M-Z205-01		040-M-Z206-01		040-M-Z207-01		040-M-Z208-01		040-M-Z209-01		040-M-Z210-01	
		ORIGINAL ID ----->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
		LAB SAMPLE ID --->	960084-20		960015-01		960015-02		960005-12		960005-11		960015-03	
		ID FROM REPORT -->	040MZ20501		040MZ20601		040MZ20701		040MZ20801		040MZ20901		040MZ51001	
		SAMPLE DATE ----->	02/05/96		01/12/96		01/12/96		01/05/96		01/05/96		01/12/96	
		DATE EXTRACTED -->	02/11/96		01/16/96		01/16/96		01/10/96		01/10/96		01/16/96	
		DATE ANALYZED --->	02/15/96		01/25/96		01/23/96		01/16/96		01/16/96		01/23/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		MZ6020	VAL	Z20601	VAL	Z20601	VAL	Z22401	VAL	Z22401	VAL	Z20601	VAL
121-14-2	2,4-Dinitrotoluene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
84-66-2	Diethylphthalate		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
7005-72-3	4-Chlorophenylphenyl ether		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
86-73-7	Fluorene		94.	U	94.	U	21.	U	19.	U	19.	U	20.	U
100-01-6	4-Nitroaniline		4700.	U	4700.	U	1100.	U	970.	U	970.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		4700.	U	4700.	U	1100.	U	970.	U	970.	U	1000.	UJ
86-30-6	N-Nitrosodiphenylamine		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
101-55-3	4-Bromophenyl-phenylether		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
118-74-1	Hexachlorobenzene		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
87-86-5	Pentachlorophenol		4700.	U	4700.	U	1100.	U	970.	U	970.	U	1000.	U
85-01-8	Phenanthrene		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
120-12-7	Anthracene		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
84-74-2	Di-n-butylphthalate		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
206-44-0	Fluoranthene		110.	J	180.	J	43.	U	40.	U	40.	U	41.	U
86-74-8	Carbazole		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
129-00-0	Pyrene		190.	U	190.	J	43.	U	40.	U	40.	U	41.	U
85-68-7	Butylbenzylphthalate		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
91-94-1	3,3'-Dichlorobenzidine		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
56-55-3	Benzo(a)anthracene		190.	U	99.	J	43.	U	40.	U	40.	U	41.	U
218-01-9	Chrysene		190.	U	120.	J	43.	U	40.	U	40.	U	41.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		99.	J	1900.	U	430.	U	400.	U	400.	U	410.	U
117-84-0	Di-n-octylphthalate		1900.	U	1900.	U	430.	U	400.	U	400.	U	410.	U
205-99-2	Benzo(b)fluoranthene		110.	J	160.	J	43.	U	40.	U	40.	U	41.	U
207-08-9	Benzo(k)fluoranthene		190.	U	120.	J	43.	U	40.	U	40.	U	41.	U
50-32-8	Benzo(a)pyrene		190.	U	140.	J	43.	U	40.	U	40.	U	41.	U
193-39-5	Indeno(1,2,3-cd)pyrene		190.	U	110.	J	43.	U	40.	U	40.	U	41.	U
53-70-3	Dibenz(a,h)anthracene		190.	U	190.	U	43.	U	40.	U	40.	U	41.	U
191-24-2	Benzo(g,h,i)perylene		190.	U	110.	J	43.	U	40.	U	40.	U	41.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA																	
	SAMPLE ID ------->	040-M-Z211-01		040-M-Z212-01		040-M-Z213-01		040-M-Z214-01		040-M-Z215-01		040-M-Z216-01	
	ORIGINAL ID ----->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
	LAB SAMPLE ID --->	960093-01		960015-04		960010-11		960010-12		960010-13		960005-06	
	ID FROM REPORT -->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
	SAMPLE DATE ----->	02/05/96		01/12/96		01/11/96		01/11/96		01/11/96		01/04/96	
	DATE EXTRACTED -->	02/12/96		01/16/96		01/14/96		01/14/96		01/14/96		01/10/96	
	DATE ANALYZED --->	02/20/96		01/23/96		01/23/96		01/23/96		01/23/96		01/16/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	Z20601	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z22401	VAL
108-95-2	Phenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
111-44-4	bis(2-Chloroethyl)ether	44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
95-57-8	2-Chlorophenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
541-73-1	1,3-Dichlorobenzene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
106-46-7	1,4-Dichlorobenzene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
95-50-1	1,2-Dichlorobenzene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
95-48-7	2-Methylphenol (o-Cresol)	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	UJ
106-44-5	4-Methylphenol (p-Cresol)	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
621-64-7	N-Nitroso-di-n-propylamine	44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
67-72-1	Hexachloroethane	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
98-95-3	Nitrobenzene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
78-59-1	Isophorone	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
88-75-5	2-Nitrophenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
105-67-9	2,4-Dimethylphenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
111-91-1	bis(2-Chloroethoxy)methane	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
120-83-2	2,4-Dichlorophenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
120-82-1	1,2,4-Trichlorobenzene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
91-20-3	Naphthalene	44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
106-47-8	4-Chloroaniline	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
87-68-3	Hexachlorobutadiene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
59-50-7	4-Chloro-3-methylphenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
91-57-6	2-Methylnaphthalene	44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
77-47-4	Hexachlorocyclopentadiene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
88-06-2	2,4,6-Trichlorophenol	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U	1100.	U	1000.	U	3200.	U	2300.	U	1100.	U
91-58-7	2-Chloronaphthalene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
88-74-4	2-Nitroaniline	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
131-11-3	Dimethylphthalate	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
208-96-8	Acenaphthylene	44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
606-20-2	2,6-Dinitrotoluene	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
99-09-2	3-Nitroaniline	1100.	U	1100.	U	1000.	U	3200.	U	2300.	U	1100.	U
83-32-9	Acenaphthene	21.	U	22.	U	20.	U	64.	U	45.	U	21.	U
51-28-5	2,4-Dinitrophenol	1100.	UJ	1100.	U	1000.	U	3200.	U	2300.	U	1100.	UJ
100-02-7	4-Nitrophenol	1100.	UJ	1100.	U	1000.	U	3200.	U	2300.	U	1100.	U
132-64-9	Dibenzofuran	440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z211-01		040-M-Z212-01		040-M-Z213-01		040-M-Z214-01		040-M-Z215-01		040-M-Z216-01	
		ORIGINAL ID ----->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
		LAB SAMPLE ID --->	960093-01		960015-04		960010-11		960010-12		960010-13		960005-06	
		ID FROM REPORT -->	040MZ21101		040MZ51201		040MZ21301		040MZ21401		040MZ21501		040MZ21601	
		SAMPLE DATE ----->	02/05/96		01/12/96		01/11/96		01/11/96		01/11/96		01/04/96	
		DATE EXTRACTED -->	02/12/96		01/16/96		01/14/96		01/14/96		01/14/96		01/10/96	
		DATE ANALYZED --->	02/20/96		01/23/96		01/23/96		01/23/96		01/23/96		01/16/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		MZ1010	VAL	Z20601	VAL	Z50801	VAL	Z50801	VAL	Z50801	VAL	Z22401	VAL
121-14-2	2,4-Dinitrotoluene		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
84-66-2	Diethylphthalate		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
7005-72-3	4-Chlorophenylphenyl ether		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
86-73-7	Fluorene		21.	U	22.	U	20.	U	64.	U	45.	U	21.	U
100-01-6	4-Nitroaniline		1100.	UJ	1100.	U	1000.	U	3200.	U	2300.	U	1100.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		1100.	U	1100.	UJ	1000.	U	3200.	U	2300.	U	1100.	U
86-30-6	N-Nitrosodiphenylamine		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
101-55-3	4-Bromophenyl-phenylether		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
118-74-1	Hexachlorobenzene		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
87-86-5	Pentachlorophenol		1100.	U	1100.	U	1000.	U	3200.	U	2300.	U	1100.	U
85-01-8	Phenanthrene		44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
120-12-7	Anthracene		44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
84-74-2	Di-n-butylphthalate		440.	U	440.	U	25.	J	1300.	U	930.	U	440.	U
206-44-0	Fluoranthene		44.	U	44.	U	41.	U	150.		87.	J	31.	J
86-74-8	Carbazole		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
129-00-0	Pyrene		44.	U	44.	U	41.	U	150.		78.	J	33.	J
85-68-7	Butylbenzylphthalate		440.	U	440.	U	410.	U	78.	J	66.	J	440.	U
91-94-1	3,3'-Dichlorobenzidine		440.	UJ	440.	U	410.	U	1300.	U	930.	U	440.	U
56-55-3	Benzo(a)anthracene		44.	U	44.	U	41.	U	74.	J	93.	U	44.	U
218-01-9	Chrysene		44.	U	44.	U	41.	U	79.	J	56.	J	44.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
117-84-0	Di-n-octylphthalate		440.	U	440.	U	410.	U	1300.	U	930.	U	440.	U
205-99-2	Benzo(b)fluoranthene		44.	U	44.	U	41.	U	140.		74.	J	27.	J
207-08-9	Benzo(k)fluoranthene		44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
50-32-8	Benzo(a)pyrene		44.	U	44.	U	41.	U	87.	J	53.	J	44.	U
193-39-5	Indeno(1,2,3-cd)pyrene		44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
53-70-3	Dibenz(a,h)anthracene		44.	U	44.	U	41.	U	130.	U	93.	U	44.	U
191-24-2	Benzo(g,h,i)perylene		44.	U	44.	U	41.	U	72.	J	93.	U	44.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z217-01		040-M-Z218-01		040-M-Z219-01		040-M-Z220-01		040-M-Z221-01		040-M-Z222-01	
	ORIGINAL ID ----->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201	
	LAB SAMPLE ID --->	960005-05		960005-04		960005-03		960010-14		960093-02		960010-15	
	ID FROM REPORT -->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/04/96		01/11/96		02/05/96		01/11/96	
	DATE EXTRACTED -->	01/10/96		01/10/96		01/10/96		01/14/96		02/12/96		01/14/96	
	DATE ANALYZED --->	01/16/96		01/18/96		01/16/96		01/23/96		02/20/96		01/23/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	Z22401	VAL	Z50801	VAL	MZ1010	VAL	Z50801	VAL
108-95-2	Phenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
111-44-4	bis(2-Chloroethyl)ether	47.	U	710.	U	150.	U	41.	U	510.	U	53.	U
95-57-8	2-Chlorophenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
541-73-1	1,3-Dichlorobenzene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
106-46-7	1,4-Dichlorobenzene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
95-50-1	1,2-Dichlorobenzene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
95-48-7	2-Methylphenol (o-Cresol)	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470.	UJ	7100.	UJ	1500.	UJ	44.	J	5100.	U	530.	U
106-44-5	4-Methylphenol (p-Cresol)	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
621-64-7	N-Nitroso-di-n-propylamine	47.	U	710.	U	150.	U	41.	U	510.	U	53.	U
67-72-1	Hexachloroethane	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
98-95-3	Nitrobenzene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
78-59-1	Isophorone	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
88-75-5	2-Nitrophenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
105-67-9	2,4-Dimethylphenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
111-91-1	bis(2-Chloroethoxy)methane	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
120-83-2	2,4-Dichlorophenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
120-82-1	1,2,4-Trichlorobenzene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
91-20-3	Naphthalene	47.	U	710.	U	150.	U	41.	U	510.	U	53.	U
106-47-8	4-Chloroaniline	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
87-68-3	Hexachlorobutadiene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
59-50-7	4-Chloro-3-methylphenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
91-57-6	2-Methylnaphthalene	47.	U	710.	U	150.	U	41.	U	510.	U	53.	U
77-47-4	Hexachlorocyclopentadiene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
88-06-2	2,4,6-Trichlorophenol	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U	17000.	U	3700.	U	1000.	U	12000.	U	1300.	U
91-58-7	2-Chloronaphthalene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
88-74-4	2-Nitroaniline	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
131-11-3	Dimethylphthalate	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
208-96-8	Acenaphthylene	47.	U	710.	U	150.	U	41.	U	510.	U	53.	U
606-20-2	2,6-Dinitrotoluene	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U
99-09-2	3-Nitroaniline	1100.	U	17000.	U	3700.	U	1000.	U	12000.	U	1300.	U
83-32-9	Acenaphthene	23.	U	350.	U	75.	U	20.	U	250.	U	33.	
51-28-5	2,4-Dinitrophenol	1100.	UJ	17000.	U	3700.	UJ	1000.	U	12000.	UJ	1300.	U
100-02-7	4-Nitrophenol	1100.	U	17000.	U	3700.	U	1000.	U	12000.	UJ	1300.	U
132-64-9	Dibenzofuran	470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z217-01		040-M-Z218-01		040-M-Z219-01		040-M-Z220-01		040-M-Z221-01		040-M-Z222-01		
		ORIGINAL ID ----->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201		
		LAB SAMPLE ID --->	960005-05		960005-04		960005-03		960010-14		960093-02		960010-15		
		ID FROM REPORT -->	040MZ21701		040MZ21801		040MZ21901		040MZ22001		040MZ22101		040MZ22201		
		SAMPLE DATE ----->	01/04/96		01/04/96		01/04/96		01/11/96		02/05/96		01/11/96		
		DATE EXTRACTED -->	01/10/96		01/10/96		01/10/96		01/14/96		02/12/96		01/14/96		
		DATE ANALYZED --->	01/16/96		01/18/96		01/16/96		01/23/96		02/20/96		01/23/96		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		Z22401	VAL	Z22401	VAL	Z22401	VAL	Z50801	VAL	MZ1010	VAL	Z50801	VAL	
121-14-2	2,4-Dinitrotoluene		470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U	
84-66-2	Diethylphthalate		24.	J	30000.		1500.	U	410.	U	5100.	U	530.	U	
7005-72-3	4-Chlorophenylphenyl ether		470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U	
86-73-7	Fluorene		23.	U	350.	U	75.	U	20.	U	250.	U	34.		
100-01-6	4-Nitroaniline		1100.	U	17000.	U	3700.	U	1000.	U	12000.	UJ	1300.	U	
534-52-1	2-Methyl-4,6-Dinitrophenol		1100.	U	17000.	U	3700.	U	1000.	U	12000.	U	1300.	U	
86-30-6	N-Nitrosodiphenylamine		470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U	
101-55-3	4-Bromophenyl-phenylether		470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U	
118-74-1	Hexachlorobenzene		470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U	
87-86-5	Pentachlorophenol		1100.	U	17000.	U	3700.	U	1000.	U	12000.	U	1300.	U	
85-01-8	Phenanthrene		47.	U	710.	U	150.	J	41.	U	510.	U	260.		
120-12-7	Anthracene		47.	U	710.	U	150.	U	41.	U	510.	U	80.		
84-74-2	Di-n-butylphthalate		470.	U	7100.	U	1500.	U	410.	U	5100.	U	28.	J	
206-44-0	Fluoranthene		44.	J	710.	U	490.		41.	U	510.	U	410.		
86-74-8	Carbazole		470.	U	7100.	U	1500.	U	410.	U	5100.	U	69.	J	
129-00-0	Pyrene		55.		710.	U	480.		41.	U	510.	U	300.		
85-68-7	Butylbenzylphthalate		28.	J	7100.	U	160.	J	410.	U	5100.	U	41.	J	
91-94-1	3,3'-Dichlorobenzidine		470.	U	7100.	U	1500.	U	410.	U	5100.	UJ	530.	U	
56-55-3	Benzo(a)anthracene		29.	J	710.	U	230.		41.	U	510.	U	210.		
218-01-9	Chrysene		47.	U	710.	U	290.		41.	U	510.	U	180.		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		470.	U	7100.	U	1700.	U	100.	U	5100.	U	530.	U	
117-84-0	Di-n-octylphthalate		470.	U	7100.	U	1500.	U	410.	U	5100.	U	530.	U	
205-99-2	Benzo(b)fluoranthene		41.	J	710.	U	380.		41.	U	510.	U	220.		
207-08-9	Benzo(k)fluoranthene		47.	U	710.	U	130.	J	41.	U	510.	U	110.		
50-32-8	Benzo(a)pyrene		26.	J	710.	U	220.		41.	U	510.	U	160.		
193-39-5	Indeno(1,2,3-cd)pyrene		47.	U	710.	U	150.	J	41.	U	510.	U	99.		
53-70-3	Dibenz(a,h)anthracene		47.	U	710.	U	150.	U	41.	U	510.	U	42.	J	
191-24-2	Benzo(g,h,i)perylene		47.	U	710.	U	170.		41.	U	510.	U	100.		
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR		

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z223-01		040-M-Z224-01		040-M-Z225-01		040-M-Z226-01		040-M-Z227-01		040-M-Z228-01	
	ORIGINAL ID ----->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	LAB SAMPLE ID --->	960005-02		960005-01		960002-08		960002-09		960002-10		960002-11	
	ID FROM REPORT -->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/03/96		01/03/96		01/03/96		01/03/96	
	DATE EXTRACTED -->	01/10/96		01/10/96		01/09/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	01/16/96		01/16/96		01/15/96		01/15/96		01/15/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
108-95-2	Phenol	1400.	U	1700.	U	540.	U	160.	J	22.	J	1600.	U
111-44-4	bis(2-Chloroethyl)ether	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
95-57-8	2-Chlorophenol	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
541-73-1	1,3-Dichlorobenzene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
106-46-7	1,4-Dichlorobenzene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
95-50-1	1,2-Dichlorobenzene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
95-48-7	2-Methylphenol (o-Cresol)	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1400.	UJ	1700.	UJ	540.	UJ	1900.	UJ	410.	UJ	1600.	UJ
106-44-5	4-Methylphenol (p-Cresol)	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
621-64-7	N-Nitroso-di-n-propylamine	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
67-72-1	Hexachloroethane	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
98-95-3	Nitrobenzene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
78-59-1	Isophorone	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
88-75-5	2-Nitrophenol	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
105-67-9	2,4-Dimethylphenol	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
111-91-1	bis(2-Chloroethoxy)methane	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
120-83-2	2,4-Dichlorophenol	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
120-82-1	1,2,4-Trichlorobenzene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
91-20-3	Naphthalene	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
106-47-8	4-Chloroaniline	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
87-68-3	Hexachlorobutadiene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
59-50-7	4-Chloro-3-methylphenol	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
91-57-6	2-Methylnaphthalene	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
77-47-4	Hexachlorocyclopentadiene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
88-06-2	2,4,6-Trichlorophenol	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
95-95-4	2,4,5-Trichlorophenol	3400.	U	4200.	U	1300.	U	4700.	U	1000.	U	3800.	U
91-58-7	2-Chloronaphthalene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
88-74-4	2-Nitroaniline	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
131-11-3	Dimethylphthalate	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
208-96-8	Acenaphthylene	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
606-20-2	2,6-Dinitrotoluene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
99-09-2	3-Nitroaniline	3400.	U	4200.	U	1300.	U	4700.	U	1000.	U	3800.	U
83-32-9	Acenaphthene	69.	U	83.	U	26.	U	94.	U	20.	U	76.	U
51-28-5	2,4-Dinitrophenol	3400.	UJ	4200.	UJ	1300.	UJ	4700.	UJ	1000.	UJ	3800.	UJ
100-02-7	4-Nitrophenol	3400.	U	4200.	U	1300.	U	4700.	U	1000.	U	3800.	U
132-64-9	Dibenzofuran	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z223-01		040-M-Z224-01		040-M-Z225-01		040-M-Z226-01		040-M-Z227-01		040-M-Z228-01	
	ORIGINAL ID ----->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	LAB SAMPLE ID --->	960005-02		960005-01		960002-08		960002-09		960002-10		960002-11	
	ID FROM REPORT -->	040MZ22301		040MZ22401		040MZ22501		040MZ22601		040MZ22701		040MZ22801	
	SAMPLE DATE ----->	01/04/96		01/04/96		01/03/96		01/03/96		01/03/96		01/03/96	
	DATE EXTRACTED -->	01/10/96		01/10/96		01/09/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	01/16/96		01/16/96		01/15/96		01/15/96		01/15/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z22401	VAL	Z22401	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
121-14-2	2,4-Dinitrotoluene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
84-66-2	Diethylphthalate	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
7005-72-3	4-Chlorophenylphenyl ether	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
86-73-7	Fluorene	69.	U	83.	U	26.	U	94.	U	20.	U	76.	U
100-01-6	4-Nitroaniline	3400.	U	4200.	U	1300.	U	4700.	U	1000.	U	3800.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	3400.	U	4200.	U	1300.	U	4700.	U	1000.	U	3800.	U
86-30-6	N-Nitrosodiphenylamine	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
101-55-3	4-Bromophenyl-phenylether	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
118-74-1	Hexachlorobenzene	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
87-86-5	Pentachlorophenol	3400.	U	4200.	U	1300.	U	4700.	U	1000.	U	3800.	U
85-01-8	Phenanthrene	110.	J	130.	J	36.	J	190.	U	41.	U	160.	U
120-12-7	Anthracene	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
84-74-2	Di-n-butylphthalate	1400.	U	1700.	U	38.	J	110.	J	26.	J	95.	J
206-44-0	Fluoranthene	290.		240.		110.		130.	J	23.	J	130.	J
86-74-8	Carbazole	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
129-00-0	Pyrene	330.		270.		100.		110.	J	41.	U	110.	J
85-68-7	Butylbenzylphthalate	110.	J	120.	J	48.	J	1900.	U	410.	U	1600.	U
91-94-1	3,3'-Dichlorobenzidine	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
56-55-3	Benzo(a)anthracene	170.		130.	J	46.	J	190.	U	23.	J	160.	U
218-01-9	Chrysene	170.		140.	J	69.		190.	U	41.	U	86.	J
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
117-84-0	Di-n-octylphthalate	1400.	U	1700.	U	540.	U	1900.	U	410.	U	1600.	U
205-99-2	Benzo(b)fluoranthene	260.		240.		88.		130.	J	22.	J	120.	J
207-08-9	Benzo(k)fluoranthene	180.		170.	U	50.	J	190.	U	41.	U	160.	U
50-32-8	Benzo(a)pyrene	180.		150.	J	59.		99.	J	41.	U	85.	J
193-39-5	Indeno(1,2,3-cd)pyrene	140.	U	110.	J	40.	J	190.	U	41.	U	160.	U
53-70-3	Dibenz(a,h)anthracene	140.	U	170.	U	54.	U	190.	U	41.	U	160.	U
191-24-2	Benzo(g,h,i)perylene	140.	U	130.	J	60.		98.	J	41.	U	160.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z229-01		040-M-Z230-01		040-M-Z231-01		040-M-Z232-01		040-M-Z233-01		040-M-Z234-01	
	ORIGINAL ID ----->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	LAB SAMPLE ID --->	960093-03		960002-12		960002-13		960002-14		960002-15		960002-01	
	ID FROM REPORT -->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	SAMPLE DATE ----->	02/05/96		01/03/96		01/03/96		01/03/96		01/03/96		01/02/96	
	DATE EXTRACTED -->	02/12/96		01/09/96		01/09/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	02/19/96		01/15/96		01/15/96		01/16/96		01/17/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
108-95-2	Phenol	22.	J	420.	U	1200.	U	420.	U	1500.	U	420.	U
111-44-4	bis(2-Chloroethyl)ether	41.	U	42.	U	120.	U	42.	U	150.	U	42.	U
95-57-8	2-Chlorophenol	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
541-73-1	1,3-Dichlorobenzene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
106-46-7	1,4-Dichlorobenzene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
95-50-1	1,2-Dichlorobenzene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
95-48-7	2-Methylphenol (o-Cresol)	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U	420.	UJ	1200.	UJ	420.	UJ	1500.	U	420.	UJ
106-44-5	4-Methylphenol (p-Cresol)	410.	U	420.	U	1200.	U	420.	U	78.	J	420.	U
621-64-7	N-Nitroso-di-n-propylamine	41.	U	42.	U	120.	U	42.	U	150.	U	42.	U
67-72-1	Hexachloroethane	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
98-95-3	Nitrobenzene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
78-59-1	Isophorone	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
88-75-5	2-Nitrophenol	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
105-67-9	2,4-Dimethylphenol	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
120-83-2	2,4-Dichlorophenol	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
91-20-3	Naphthalene	41.	U	42.	U	120.	U	130.		150.	U	42.	U
106-47-8	4-Chloroaniline	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
87-68-3	Hexachlorobutadiene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
59-50-7	4-Chloro-3-methylphenol	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
91-57-6	2-Methylnaphthalene	41.	U	42.	U	120.	U	160.		150.	U	42.	U
77-47-4	Hexachlorocyclopentadiene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
88-06-2	2,4,6-Trichlorophenol	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
95-95-4	2,4,5-Trichlorophenol	980.	U	1000.	U	2900.	U	1000.	U	3600.	U	1000.	U
91-58-7	2-Chloronaphthalene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
88-74-4	2-Nitroaniline	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
131-11-3	Dimethylphthalate	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
208-96-8	Acenaphthylene	41.	U	42.	U	120.	U	42.	U	150.	U	42.	U
606-20-2	2,6-Dinitrotoluene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
99-09-2	3-Nitroaniline	980.	U	1000.	U	2900.	U	1000.	U	3600.	UJ	1000.	U
83-32-9	Acenaphthene	20.	U	20.	U	57.	U	20.	U	73.	U	20.	U
51-28-5	2,4-Dinitrophenol	980.	U	1000.	UJ	2900.	UJ	1000.	UJ	3600.	UJ	1000.	UJ
100-02-7	4-Nitrophenol	980.	U	1000.	U	2900.	U	1000.	U	3600.	U	1000.	U
132-64-9	Dibenzofuran	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z229-01		040-M-Z230-01		040-M-Z231-01		040-M-Z232-01		040-M-Z233-01		040-M-Z234-01	
	ORIGINAL ID ----->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	LAB SAMPLE ID --->	960093-03		960002-12		960002-13		960002-14		960002-15		960002-01	
	ID FROM REPORT -->	040MZ22901		040MZ23001		040MZ23101		040MZ23201		040MZ23301		040MZ23401	
	SAMPLE DATE ----->	02/05/96		01/03/96		01/03/96		01/03/96		01/03/96		01/02/96	
	DATE EXTRACTED -->	02/12/96		01/09/96		01/09/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	02/19/96		01/15/96		01/15/96		01/16/96		01/17/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
121-14-2	2,4-Dinitrotoluene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
84-66-2	Diethylphthalate	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
7005-72-3	4-Chlorophenylphenyl ether	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
86-73-7	Fluorene	20.	U	20.	U	57.	U	20.	U	73.	U	20.	U
100-01-6	4-Nitroaniline	980.	U	1000.	U	2900.	U	1000.	U	3600.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	980.	U	1000.	U	2900.	U	1000.	U	3600.	UJ	1000.	U
86-30-6	N-Nitrosodiphenylamine	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
101-55-3	4-Bromophenyl-phenylether	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
118-74-1	Hexachlorobenzene	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
87-86-5	Pentachlorophenol	980.	U	1000.	U	2900.	U	1000.	U	3600.	U	1000.	U
85-01-8	Phenanthrene	41.	U	42.	U	120.	U	24.	J	150.	U	42.	U
120-12-7	Anthracene	41.	U	42.	U	120.	U	42.	U	150.	U	42.	U
84-74-2	Di-n-butylphthalate	27.	J	420.	U	62.	J	21.	J	91.	J	29.	J
206-44-0	Fluoranthene	41.	U	42.	U	110.	J	42.	U	110.	J	42.	U
86-74-8	Carbazole	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
129-00-0	Pyrene	41.	U	42.	U	91.	J	42.	U	100.	J	42.	U
85-68-7	Butylbenzylphthalate	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
56-55-3	Benzo(a)anthracene	41.	U	42.	U	60.	J	42.	U	150.	U	42.	U
218-01-9	Chrysene	41.	U	42.	U	78.	J	42.	U	150.	U	42.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	760.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
117-84-0	Di-n-octylphthalate	410.	U	420.	U	1200.	U	420.	U	1500.	U	420.	U
205-99-2	Benzo(b)fluoranthene	41.	U	42.	U	85.	J	42.	U	91.	J	42.	U
207-08-9	Benzo(k)fluoranthene	41.	U	42.	U	100.	J	42.	U	79.	J	42.	U
50-32-8	Benzo(a)pyrene	41.	U	42.	U	76.	J	42.	U	88.	J	42.	U
193-39-5	Indeno(1,2,3-cd)pyrene	41.	U	42.	U	120.	U	42.	U	150.	U	42.	U
53-70-3	Dibenz(a,h)anthracene	41.	U	42.	U	120.	U	42.	U	150.	U	42.	U
191-24-2	Benzo(g,h,i)perylene	41.	U	42.	U	60.	J	42.	U	150.	U	42.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z235-01		040-M-Z236-01		040-M-Z237-01		040-M-Z238-01		040-M-Z239-01		040-M-Z240-01	
	ORIGINAL ID ----->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
	LAB SAMPLE ID --->	960002-02		960002-03		960093-04		960002-04		960002-05		960002-06	
	ID FROM REPORT -->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
	SAMPLE DATE ----->	01/02/96		01/02/96		02/05/96		01/02/96		01/02/96		01/02/96	
	DATE EXTRACTED -->	01/09/96		01/09/96		02/12/96		01/09/96		01/09/96		01/09/96	
	DATE ANALYZED --->	01/15/96		01/15/96		02/19/96		01/15/96		01/15/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ2340	VAL	MZ2340	VAL	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
108-95-2	Phenol	440.	U	490.	U	22.	J	430.	U	410.	U	420.	U
111-44-4	bis(2-Chloroethyl)ether	44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
95-57-8	2-Chlorophenol	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
541-73-1	1,3-Dichlorobenzene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
106-46-7	1,4-Dichlorobenzene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
95-50-1	1,2-Dichlorobenzene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
95-48-7	2-Methylphenol (o-Cresol)	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440.	UJ	490.	UJ	410.	U	430.	UJ	410.	UJ	420.	UJ
106-44-5	4-Methylphenol (p-Cresol)	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
621-64-7	N-Nitroso-di-n-propylamine	44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
67-72-1	Hexachloroethane	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
98-95-3	Nitrobenzene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
78-59-1	Isophorone	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
88-75-5	2-Nitrophenol	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
105-67-9	2,4-Dimethylphenol	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
111-91-1	bis(2-Chloroethoxy)methane	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
120-83-2	2,4-Dichlorophenol	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
120-82-1	1,2,4-Trichlorobenzene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
91-20-3	Naphthalene	44.	U	49.	U	21.	J	43.	U	41.	U	42.	U
106-47-8	4-Chloroaniline	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
87-68-3	Hexachlorobutadiene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
59-50-7	4-Chloro-3-methylphenol	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
91-57-6	2-Methylnaphthalene	44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
77-47-4	Hexachlorocyclopentadiene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
88-06-2	2,4,6-Trichlorophenol	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U	1200.	U	1000.	U	1000.	U	1000.	U	1000.	U
91-58-7	2-Chloronaphthalene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
88-74-4	2-Nitroaniline	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
131-11-3	Dimethylphthalate	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
208-96-8	Acenaphthylene	44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
606-20-2	2,6-Dinitrotoluene	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
99-09-2	3-Nitroaniline	1100.	U	1200.	U	1000.	U	1000.	U	1000.	U	1000.	U
83-32-9	Acenaphthene	21.	U	24.	U	20.	U	21.	U	20.	U	20.	U
51-28-5	2,4-Dinitrophenol	1100.	UJ	1200.	UJ	1000.	U	1000.	UJ	1000.	UJ	1000.	UJ
100-02-7	4-Nitrophenol	1100.	U	1200.	U	1000.	U	1000.	U	1000.	U	1000.	U
132-64-9	Dibenzofuran	440.	U	490.	U	410.	U	430.	U	410.	U	420.	U

*** Validation Complete ***

SVOA													
		SAMPLE ID ------->	040-M-Z235-01		040-M-Z236-01		040-M-Z237-01		040-M-Z238-01		040-M-Z239-01		040-M-Z240-01	
		ORIGINAL ID ----->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
		LAB SAMPLE ID --->	960002-02		960002-03		960093-04		960002-04		960002-05		960002-06	
		ID FROM REPORT -->	040MZ23501		040MZ23601		040MZ23701		040MZ23801		040MZ23901		040MZ24001	
		SAMPLE DATE ----->	01/02/96		01/02/96		02/05/96		01/02/96		01/02/96		01/02/96	
		DATE EXTRACTED -->	01/09/96		01/09/96		02/12/96		01/09/96		01/09/96		01/09/96	
		DATE ANALYZED --->	01/15/96		01/15/96		02/19/96		01/15/96		01/15/96		01/15/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		MZ2340	VAL	MZ2340	VAL	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
121-14-2	2,4-Dinitrotoluene		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
84-66-2	Diethylphthalate		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
7005-72-3	4-Chlorophenylphenyl ether		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
86-73-7	Fluorene		21.	U	24.	U	20.	U	21.	U	20.	U	20.	U
100-01-6	4-Nitroaniline		1100.	U	1200.	U	1000.	U	1000.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		1100.	U	1200.	U	1000.	U	1000.	U	1000.	U	1000.	U
86-30-6	N-Nitrosodiphenylamine		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
101-55-3	4-Bromophenyl-phenylether		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
118-74-1	Hexachlorobenzene		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
87-86-5	Pentachlorophenol		1100.	U	1200.	U	1000.	U	1000.	U	1000.	U	1000.	U
85-01-8	Phenanthrene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
120-12-7	Anthracene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
84-74-2	Di-n-butylphthalate		440.	U	490.	U	24.	J	430.	U	410.	U	32.	J
206-44-0	Fluoranthene		44.	U	32.	J	41.	U	43.	U	41.	U	42.	U
86-74-8	Carbazole		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
129-00-0	Pyrene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
85-68-7	Butylbenzylphthalate		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
91-94-1	3,3'-Dichlorobenzidine		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
56-55-3	Benzo(a)anthracene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
218-01-9	Chrysene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		440.	U	780.	U	410.	U	430.	U	410.	U	69.	U
117-84-0	Di-n-octylphthalate		440.	U	490.	U	410.	U	430.	U	410.	U	420.	U
205-99-2	Benzo(b)fluoranthene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
207-08-9	Benzo(k)fluoranthene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
50-32-8	Benzo(a)pyrene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
193-39-5	Indeno(1,2,3-cd)pyrene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
53-70-3	Dibenz(a,h)anthracene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
191-24-2	Benzo(g,h,i)perylene		44.	U	49.	U	41.	U	43.	U	41.	U	42.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z241-01		040-M-Z242-01		040-M-Z243-01		040-M-Z244-01		040-M-Z245-01		040-M-Z246-01	
	ORIGINAL ID ----->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
	LAB SAMPLE ID --->	951050-09		951050-10		960093-05		951050-11		951050-12		951050-13	
	ID FROM REPORT -->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
	SAMPLE DATE ----->	12/14/95		12/14/95		02/05/96		12/14/95		12/14/95		12/14/95	
	DATE EXTRACTED -->	12/19/95		12/19/95		02/12/96		01/18/96		01/18/96		12/19/95	
	DATE ANALYZED --->	01/13/96		01/13/96		02/19/96		01/20/96		01/21/96		01/13/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	MZ1010	VAL	EMD060	VAL	EMD060	VAL	EMD060	VAL
108-95-2	Phenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
111-44-4	bis(2-Chloroethyl)ether	43.	U	41.	U	41.	U	220.	UR	35.	UR	160.	U
95-57-8	2-Chlorophenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
541-73-1	1,3-Dichlorobenzene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
106-46-7	1,4-Dichlorobenzene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
95-50-1	1,2-Dichlorobenzene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
95-48-7	2-Methylphenol (o-Cresol)	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
106-44-5	4-Methylphenol (p-Cresol)	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
621-64-7	N-Nitroso-di-n-propylamine	43.	U	41.	U	41.	U	220.	UR	35.	UR	160.	U
67-72-1	Hexachloroethane	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
98-95-3	Nitrobenzene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
78-59-1	Isophorone	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
88-75-5	2-Nitrophenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
105-67-9	2,4-Dimethylphenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
111-91-1	bis(2-Chloroethoxy)methane	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
120-83-2	2,4-Dichlorophenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
120-82-1	1,2,4-Trichlorobenzene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
91-20-3	Naphthalene	43.	U	41.	U	41.	U	220.	UR	42.	UR	160.	U
106-47-8	4-Chloroaniline	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
87-68-3	Hexachlorobutadiene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
59-50-7	4-Chloro-3-methylphenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
91-57-6	2-Methylnaphthalene	43.	U	41.	U	41.	U	220.	UR	23.	UR	160.	U
77-47-4	Hexachlorocyclopentadiene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
88-06-2	2,4,6-Trichlorophenol	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
91-58-7	2-Chloronaphthalene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
88-74-4	2-Nitroaniline	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
131-11-3	Dimethylphthalate	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
208-96-8	Acenaphthylene	43.	U	41.	U	41.	U	220.	UR	35.	UR	160.	U
606-20-2	2,6-Dinitrotoluene	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
99-09-2	3-Nitroaniline	1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
83-32-9	Acenaphthene	21.	U	20.	U	20.	U	100.	UR	17.	UR	76.	U
51-28-5	2,4-Dinitrophenol	1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
100-02-7	4-Nitrophenol	1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
132-64-9	Dibenzofuran	430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z241-01		040-M-Z242-01		040-M-Z243-01		040-M-Z244-01		040-M-Z245-01		040-M-Z246-01	
		ORIGINAL ID ----->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
		LAB SAMPLE ID --->	951050-09		951050-10		960093-05		951050-11		951050-12		951050-13	
		ID FROM REPORT -->	040MZ24101		040MZ24201		040MZ24301		040MZ24401		040MZ24501		040MZ24601	
		SAMPLE DATE ----->	12/14/95		12/14/95		02/05/96		12/14/95		12/14/95		12/14/95	
		DATE EXTRACTED -->	12/19/95		12/19/95		02/12/96		01/18/96		01/18/96		12/19/95	
		DATE ANALYZED --->	01/13/96		01/13/96		02/19/96		01/20/96		01/21/96		01/13/96	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		EMD060	VAL	EMD060	VAL	MZ1010	VAL	EMD060	VAL	EMD060	VAL	EMD060	VAL
121-14-2	2,4-Dinitrotoluene		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
84-66-2	Diethylphthalate		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
7005-72-3	4-Chlorophenylphenyl ether		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
86-73-7	Fluorene		21.	U	20.	U	20.	U	100.	UR	17.	UR	76.	U
100-01-6	4-Nitroaniline		1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
86-30-6	N-Nitrosodiphenylamine		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
101-55-3	4-Bromophenyl-phenylether		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
118-74-1	Hexachlorobenzene		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
87-86-5	Pentachlorophenol		1000.	U	990.	U	1000.	U	5200.	UR	860.	UR	3800.	U
85-01-8	Phenanthrene		43.	U	41.	U	41.	U	220.	UR	20.	J	160.	U
120-12-7	Anthracene		43.	U	41.	U	41.	U	220.	UR	35.	UR	160.	U
84-74-2	Di-n-butylphthalate		430.	U	21.	J	410.	U	2200.	UR	18.	J	96.	J
206-44-0	Fluoranthene		43.	U	41.	U	41.	U	300.	J	51.	J	160.	U
86-74-8	Carbazole		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
129-00-0	Pyrene		43.	U	41.	U	41.	U	290.	J	49.	J	160.	U
85-68-7	Butylbenzylphthalate		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
91-94-1	3,3'-Dichlorobenzidine		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
56-55-3	Benzo(a)anthracene		43.	U	41.	U	41.	U	210.	J	35.	J	160.	U
218-01-9	Chrysene		43.	U	41.	U	41.	U	180.	J	43.	J	160.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		430.	U	1500.		410.	U	2200.	UR	350.	UR	1600.	U
117-84-0	Di-n-octylphthalate		430.	U	410.	U	410.	U	2200.	UR	350.	UR	1600.	U
205-99-2	Benzo(b)fluoranthene		27.	J	41.	U	41.	U	360.	J	110.	J	160.	U
207-08-9	Benzo(k)fluoranthene		43.	U	41.	U	41.	U	180.	J	39.	J	160.	U
50-32-8	Benzo(a)pyrene		43.	U	41.	U	41.	U	260.	J	74.	J	160.	U
193-39-5	Indeno(1,2,3-cd)pyrene		43.	U	41.	U	41.	U	210.	J	49.	J	160.	U
53-70-3	Dibenz(a,h)anthracene		43.	U	41.	U	41.	U	220.	UR	35.	UR	160.	U
191-24-2	Benzo(g,h,i)perylene		43.	U	41.	U	41.	U	240.	J	61.	J	160.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z247-01		040-M-Z248-01		040-M-Z249-01		040-M-Z250-01		040-M-Z251-01		040-M-Z252-01	
	ORIGINAL ID ----->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
	LAB SAMPLE ID --->	951050-14		951050-15		951050-16		960040-01		960093-06		960040-02	
	ID FROM REPORT -->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
	SAMPLE DATE ----->	12/14/95		12/14/95		12/14/95		01/17/96		02/05/96		01/17/96	
	DATE EXTRACTED -->	12/19/95		12/19/95		12/19/95		01/22/96		02/12/96		01/22/96	
	DATE ANALYZED --->	01/17/96		01/13/96		01/13/96		01/31/96		02/19/96		01/31/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	EMD060	VAL	Z25001	VAL	MZ1010	VAL	Z25001	VAL
108-95-2	Phenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
111-44-4	bis(2-Chloroethyl)ether	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
95-57-8	2-Chlorophenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
541-73-1	1,3-Dichlorobenzene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
106-46-7	1,4-Dichlorobenzene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
95-50-1	1,2-Dichlorobenzene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
95-48-7	2-Methylphenol (o-Cresol)	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
106-44-5	4-Methylphenol (p-Cresol)	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
621-64-7	N-Nitroso-di-n-propylamine	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
67-72-1	Hexachloroethane	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
98-95-3	Nitrobenzene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
78-59-1	Isophorone	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
88-75-5	2-Nitrophenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
105-67-9	2,4-Dimethylphenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
111-91-1	bis(2-Chloroethoxy)methane	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
120-83-2	2,4-Dichlorophenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
120-82-1	1,2,4-Trichlorobenzene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
91-20-3	Naphthalene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
106-47-8	4-Chloroaniline	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
87-68-3	Hexachlorobutadiene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
59-50-7	4-Chloro-3-methylphenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
91-57-6	2-Methylnaphthalene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
77-47-4	Hexachlorocyclopentadiene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
88-06-2	2,4,6-Trichlorophenol	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
95-95-4	2,4,5-Trichlorophenol	22000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
91-58-7	2-Chloronaphthalene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
88-74-4	2-Nitroaniline	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
131-11-3	Dimethylphthalate	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
208-96-8	Acenaphthylene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
606-20-2	2,6-Dinitrotoluene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
99-09-2	3-Nitroaniline	22000.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
83-32-9	Acenaphthene	440.	U	21.	U	21.	U	20.	U	21.	U	20.	U
51-28-5	2,4-Dinitrophenol	22000.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
100-02-7	4-Nitrophenol	22000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
132-64-9	Dibenzofuran	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z247-01		040-M-Z248-01		040-M-Z249-01		040-M-Z250-01		040-M-Z251-01		040-M-Z252-01	
	ORIGINAL ID ----->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
	LAB SAMPLE ID --->	951050-14		951050-15		951050-16		960040-01		960093-06		960040-02	
	ID FROM REPORT -->	040MZ24701		040MZ24801		040MZ24901		040MZ25001		040MZ25101		040MZ25201	
	SAMPLE DATE ----->	12/14/95		12/14/95		12/14/95		01/17/96		02/05/96		01/17/96	
	DATE EXTRACTED -->	12/19/95		12/19/95		12/19/95		01/22/96		02/12/96		01/22/96	
	DATE ANALYZED --->	01/17/96		01/13/96		01/13/96		01/31/96		02/19/96		01/31/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	EMD060	VAL	Z25001	VAL	MZ1010	VAL	Z25001	VAL
121-14-2	2,4-Dinitrotoluene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
84-66-2	Diethylphthalate	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
7005-72-3	4-Chlorophenylphenyl ether	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
86-73-7	Fluorene	440.	U	21.	U	21.	U	20.	U	21.	U	20.	U
100-01-6	4-Nitroaniline	22000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	22000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
86-30-6	N-Nitrosodiphenylamine	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
101-55-3	4-Bromophenyl-phenylether	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
118-74-1	Hexachlorobenzene	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
87-86-5	Pentachlorophenol	22000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
85-01-8	Phenanthrene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
120-12-7	Anthracene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
84-74-2	Di-n-butylphthalate	9100.	U	23.	J	22.	J	420.	U	22.	J	420.	U
206-44-0	Fluoranthene	910.	U	43.	U	43.	U	420.	U	43.	U	420.	U
86-74-8	Carbazole	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
129-00-0	Pyrene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
85-68-7	Butylbenzylphthalate	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
91-94-1	3,3'-Dichlorobenzidine	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
56-55-3	Benzo(a)anthracene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
218-01-9	Chrysene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	9100.	U	430.	U	430.	U	27.	J	430.	U	33.	J
117-84-0	Di-n-octylphthalate	9100.	U	430.	U	430.	U	420.	U	430.	U	420.	U
205-99-2	Benzo(b)fluoranthene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
207-08-9	Benzo(k)fluoranthene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
50-32-8	Benzo(a)pyrene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
193-39-5	Indeno(1,2,3-cd)pyrene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
53-70-3	Dibenz(a,h)anthracene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
191-24-2	Benzo(g,h,i)perylene	910.	U	43.	U	43.	U	42.	U	43.	U	42.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z253-01		040-M-Z254-01		040-M-Z255-01		040-M-Z256-01		040-M-Z257-01		040-M-Z301-01	
	ORIGINAL ID ----->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
	LAB SAMPLE ID --->	960040-03		960040-04		960040-05		960040-06		960040-07		950991-01	
	ID FROM REPORT -->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
	SAMPLE DATE ----->	01/17/96		01/17/96		01/17/96		01/17/96		01/17/96		11/29/95	
	DATE EXTRACTED -->	01/22/96		01/22/96		01/22/96		01/22/96		01/22/96		12/02/95	
	DATE ANALYZED --->	01/31/96		01/31/96		01/31/96		01/31/96		01/31/96		12/08/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z30301	VAL
108-95-2	Phenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
111-44-4	bis(2-Chloroethyl)ether	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
95-57-8	2-Chlorophenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
541-73-1	1,3-Dichlorobenzene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
106-46-7	1,4-Dichlorobenzene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
95-50-1	1,2-Dichlorobenzene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
95-48-7	2-Methylphenol (o-Cresol)	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
106-44-5	4-Methylphenol (p-Cresol)	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
621-64-7	N-Nitroso-di-n-propylamine	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
67-72-1	Hexachloroethane	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
98-95-3	Nitrobenzene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
78-59-1	Isophorone	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
88-75-5	2-Nitrophenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
105-67-9	2,4-Dimethylphenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
120-83-2	2,4-Dichlorophenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
91-20-3	Naphthalene	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
106-47-8	4-Chloroaniline	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
87-68-3	Hexachlorobutadiene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
59-50-7	4-Chloro-3-methylphenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
91-57-6	2-Methylnaphthalene	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
77-47-4	Hexachlorocyclopentadiene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
88-06-2	2,4,6-Trichlorophenol	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
91-58-7	2-Chloronaphthalene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
88-74-4	2-Nitroaniline	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
131-11-3	Dimethylphthalate	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
208-96-8	Acenaphthylene	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
606-20-2	2,6-Dinitrotoluene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
99-09-2	3-Nitroaniline	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
83-32-9	Acenaphthene	20.	U	20.	U	20.	U	20.	U	21.	U	20.	U
51-28-5	2,4-Dinitrophenol	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
100-02-7	4-Nitrophenol	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
132-64-9	Dibenzofuran	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z253-01		040-M-Z254-01		040-M-Z255-01		040-M-Z256-01		040-M-Z257-01		040-M-Z301-01	
	ORIGINAL ID ----->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
	LAB SAMPLE ID --->	960040-03		960040-04		960040-05		960040-06		960040-07		950991-01	
	ID FROM REPORT -->	040MZ25301		040MZ25401		040MZ25501		040MZ25601		040MZ25701		040MZ30101	
	SAMPLE DATE ----->	01/17/96		01/17/96		01/17/96		01/17/96		01/17/96		11/29/95	
	DATE EXTRACTED -->	01/22/96		01/22/96		01/22/96		01/22/96		01/22/96		12/02/95	
	DATE ANALYZED --->	01/31/96		01/31/96		01/31/96		01/31/96		01/31/96		12/08/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z30301	VAL
121-14-2	2,4-Dinitrotoluene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
84-66-2	Diethylphthalate	1100.		420.	U	410.	U	400.	U	420.	U	420.	U
7005-72-3	4-Chlorophenylphenyl ether	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
86-73-7	Fluorene	20.	U	20.	U	20.	U	20.	U	21.	U	20.	U
100-01-6	4-Nitroaniline	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
86-30-6	N-Nitrosodiphenylamine	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
101-55-3	4-Bromophenyl-phenylether	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
118-74-1	Hexachlorobenzene	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
87-86-5	Pentachlorophenol	1000.	U	1000.	U	1000.	U	980.	U	1000.	U	1000.	U
85-01-8	Phenanthrene	41.	U	42.	U	41.	U	40.	U	42.	U	42.	
120-12-7	Anthracene	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
84-74-2	Di-n-butylphthalate	22.	J	420.	U	410.	U	400.	U	420.	U	420.	U
206-44-0	Fluoranthene	410.	U	22.	J	410.	U	29.	J	420.	U	130.	
86-74-8	Carbazole	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
129-00-0	Pyrene	41.	U	42.	U	41.	U	31.	J	42.	U	120.	
85-68-7	Butylbenzylphthalate	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
56-55-3	Benzo(a)anthracene	41.	U	42.	U	41.	U	22.	J	42.	U	77.	
218-01-9	Chrysene	41.	U	42.	U	41.	U	23.	J	42.	U	110.	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	44.	J	38.	J	35.	J	33.	J	420.	U	420.	U
117-84-0	Di-n-octylphthalate	410.	U	420.	U	410.	U	400.	U	420.	U	420.	U
205-99-2	Benzo(b)fluoranthene	41.	U	28.	J	41.	U	33.	J	42.	U	190.	
207-08-9	Benzo(k)fluoranthene	41.	U	42.	U	41.	U	40.	U	42.	U	83.	
50-32-8	Benzo(a)pyrene	41.	U	42.	U	41.	U	25.	J	42.	U	91.	
193-39-5	Indeno(1,2,3-cd)pyrene	41.	U	42.	U	41.	U	40.	U	42.	U	73.	
53-70-3	Dibenz(a,h)anthracene	41.	U	42.	U	41.	U	40.	U	42.	U	42.	U
191-24-2	Benzo(g,h,i)perylene	41.	U	42.	U	41.	U	40.	U	42.	U	79.	
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z302-01		040-M-Z303-01		040-M-Z304-01		040-M-Z305-01		040-M-Z306-01		040-M-Z307-01	
	ORIGINAL ID ----->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701	
	LAB SAMPLE ID --->	950991-02		950991-03		950998-03		960093-08		950998-04		950991-04	
	ID FROM REPORT -->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701	
	SAMPLE DATE ----->	11/29/95		11/29/95		11/30/95		02/06/96		12/01/95		11/29/95	
	DATE EXTRACTED -->	12/02/95		12/02/95		12/05/95		02/12/96		12/30/95		12/02/95	
	DATE ANALYZED --->	12/16/95		12/08/95		12/22/95		02/19/96		01/04/96		12/09/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z30301	VAL	Z30301	VAL	EM0040	VAL	MZ1010	VAL	EM0040	VAL	Z30301	VAL
108-95-2	Phenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
111-44-4	bis(2-Chloroethyl)ether	130.	U	41.	U	2100.	U	41.	U	41.	UJ	81.	U
95-57-8	2-Chlorophenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
541-73-1	1,3-Dichlorobenzene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
106-46-7	1,4-Dichlorobenzene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
95-50-1	1,2-Dichlorobenzene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
95-48-7	2-Methylphenol (o-Cresol)	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
106-44-5	4-Methylphenol (p-Cresol)	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
621-64-7	N-Nitroso-di-n-propylamine	130.	U	41.	U	2100.	U	41.	U	41.	UJ	81.	U
67-72-1	Hexachloroethane	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
98-95-3	Nitrobenzene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
78-59-1	Isophorone	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
88-75-5	2-Nitrophenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
105-67-9	2,4-Dimethylphenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
111-91-1	bis(2-Chloroethoxy)methane	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
120-83-2	2,4-Dichlorophenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
120-82-1	1,2,4-Trichlorobenzene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
91-20-3	Naphthalene	130.	U	41.	U	2100.	U	41.	U	41.	UJ	81.	U
106-47-8	4-Chloroaniline	1300.	U	410.	U	21000.	UR	410.	U	410.	UJ	810.	U
87-68-3	Hexachlorobutadiene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
59-50-7	4-Chloro-3-methylphenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
91-57-6	2-Methylnaphthalene	130.	U	41.	U	2100.	U	41.	U	41.	UJ	81.	U
77-47-4	Hexachlorocyclopentadiene	1300.	U	410.	U	21000.	UJ	410.	U	410.	UJ	810.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
95-95-4	2,4,5-Trichlorophenol	3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
91-58-7	2-Chloronaphthalene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
88-74-4	2-Nitroaniline	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
131-11-3	Dimethylphthalate	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
208-96-8	Acenaphthylene	130.	U	41.	U	2100.	U	41.	U	41.	UJ	81.	U
606-20-2	2,6-Dinitrotoluene	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
99-09-2	3-Nitroaniline	3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
83-32-9	Acenaphthene	64.	U	20.	U	1000.	U	20.	U	20.	UJ	39.	U
51-28-5	2,4-Dinitrophenol	3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
100-02-7	4-Nitrophenol	3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
132-64-9	Dibenzofuran	1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z302-01		040-M-Z303-01		040-M-Z304-01		040-M-Z305-01		040-M-Z306-01		040-M-Z307-01	
		ORIGINAL ID ----->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701	
		LAB SAMPLE ID --->	950991-02		950991-03		950998-03		960093-08		950998-04		950991-04	
		ID FROM REPORT -->	040MZ30201		040MZ30301		040MZ30401		040MZ30501		040MZ30601		040MZ30701	
		SAMPLE DATE ----->	11/29/95		11/29/95		11/30/95		02/06/96		12/01/95		11/29/95	
		DATE EXTRACTED -->	12/02/95		12/02/95		12/05/95		02/12/96		12/30/95		12/02/95	
		DATE ANALYZED --->	12/16/95		12/08/95		12/22/95		02/19/96		01/04/96		12/09/95	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		Z30301	VAL	Z30301	VAL	EM0040	VAL	MZ1010	VAL	EM0040	VAL	Z30301	VAL
121-14-2	2,4-Dinitrotoluene		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
84-66-2	Diethylphthalate		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
7005-72-3	4-Chlorophenylphenyl ether		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
86-73-7	Fluorene		64.	U	20.	U	1000.	U	20.	U	20.	UJ	39.	U
100-01-6	4-Nitroaniline		3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
86-30-6	N-Nitrosodiphenylamine		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
101-55-3	4-Bromophenyl-phenylether		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
118-74-1	Hexachlorobenzene		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
87-86-5	Pentachlorophenol		3200.	U	1000.	U	52000.	U	980.	U	1000.	UJ	2000.	U
85-01-8	Phenanthrene		130.	U	41.	U	1400.	J	180.		66.	J	110.	
120-12-7	Anthracene		130.	U	41.	U	2100.	U	41.		41.	UJ	81.	U
84-74-2	Di-n-butylphthalate		1300.	U	410.	U	21000.	U	410.	U	21.	J	810.	U
206-44-0	Fluoranthene		200.		44.		4000.		490.		210.	J	350.	
86-74-8	Carbazole		1300.	U	410.	U	21000.	U	36.	J	410.	UJ	810.	U
129-00-0	Pyrene		180.		41.	J	4200.		460.		190.	J	470.	
85-68-7	Butylbenzylphthalate		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
91-94-1	3,3'-Dichlorobenzidine		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
56-55-3	Benzo(a)anthracene		140.		30.	J	3200.		320.		190.	J	210.	
218-01-9	Chrysene		160.		35.	J	3500.		390.		210.	J	250.	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		1300.	U	410.	U	21000.	U	410.	U	410.	UJ	810.	U
117-84-0	Di-n-octylphthalate		1300.	U	410.	U	21000.	UJ	410.	U	410.	UJ	810.	U
205-99-2	Benzo(b)fluoranthene		270.		58.		5200.	J	550.		320.	J	300.	
207-08-9	Benzo(k)fluoranthene		160.		21.	J	2300.	J	160.		47.	J	160.	
50-32-8	Benzo(a)pyrene		150.		39.	J	3500.	J	380.		210.	J	250.	
193-39-5	Indeno(1,2,3-cd)pyrene		210.		22.	J	2600.	J	190.		130.	J	280.	
53-70-3	Dibenz(a,h)anthracene		130.	U	41.	U	2100.	UJ	41.	U	25.	J	77.	J
191-24-2	Benzo(g,h,i)perylene		260.		25.	J	3200.	J	210.		130.	J	330.	
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z308-01		040-M-Z309-01		040-M-Z310-01		040-M-Z311-01		040-M-Z312-01		040-M-Z313-01	
	ORIGINAL ID ----->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301	
	LAB SAMPLE ID --->	950998-05		950991-05		951005-01		950991-06		951005-02		950979-08	
	ID FROM REPORT -->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301	
	SAMPLE DATE ----->	12/01/95		11/29/95		12/01/95		11/29/95		12/01/95		11/27/95	
	DATE EXTRACTED -->	12/28/95		12/02/95		12/06/95		12/02/95		12/06/95		11/30/95	
	DATE ANALYZED --->	01/04/96		12/09/95		12/14/95		12/08/95		12/12/95		12/17/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0040	VAL	Z30301	VAL	Z31001	VAL	Z30301	VAL	Z31001	VAL	041M10	VAL
108-95-2	Phenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
111-44-4	bis(2-Chloroethyl)ether	44.	UJ	42.	U	43.	U	41.	U	41.	U	42.	U
95-57-8	2-Chlorophenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
541-73-1	1,3-Dichlorobenzene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
106-46-7	1,4-Dichlorobenzene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
95-50-1	1,2-Dichlorobenzene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
95-48-7	2-Methylphenol (o-Cresol)	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
106-44-5	4-Methylphenol (p-Cresol)	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
621-64-7	N-Nitroso-di-n-propylamine	44.	UJ	42.	U	43.	U	41.	U	41.	U	42.	U
67-72-1	Hexachloroethane	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
98-95-3	Nitrobenzene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
78-59-1	Isophorone	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
88-75-5	2-Nitrophenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
105-67-9	2,4-Dimethylphenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
111-91-1	bis(2-Chloroethoxy)methane	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
120-83-2	2,4-Dichlorophenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
120-82-1	1,2,4-Trichlorobenzene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
91-20-3	Naphthalene	35.	J	42.	U	43.	U	41.	U	41.	U	42.	U
106-47-8	4-Chloroaniline	440.	UJ	420.	U	430.	UR	410.	U	410.	U	420.	U
87-68-3	Hexachlorobutadiene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
59-50-7	4-Chloro-3-methylphenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
91-57-6	2-Methylnaphthalene	44.	UJ	42.	U	43.	U	41.	U	41.	U	42.	U
77-47-4	Hexachlorocyclopentadiene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
88-06-2	2,4,6-Trichlorophenol	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
95-95-4	2,4,5-Trichlorophenol	1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
91-58-7	2-Chloronaphthalene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
88-74-4	2-Nitroaniline	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
131-11-3	Dimethylphthalate	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
208-96-8	Acenaphthylene	44.	UJ	42.	U	43.	U	41.	U	41.	U	42.	U
606-20-2	2,6-Dinitrotoluene	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U
99-09-2	3-Nitroaniline	1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
83-32-9	Acenaphthene	32.	J	20.	U	21.	U	20.	U	20.	U	21.	U
51-28-5	2,4-Dinitrophenol	1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	UJ	1000.	U
100-02-7	4-Nitrophenol	1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
132-64-9	Dibenzofuran	440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z308-01		040-M-Z309-01		040-M-Z310-01		040-M-Z311-01		040-M-Z312-01		040-M-Z313-01		
		ORIGINAL ID ----->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301		
		LAB SAMPLE ID --->	950998-05		950991-05		951005-01		950991-06		951005-02		950979-08		
		ID FROM REPORT -->	040MZ30801		040MZ30901		040MZ31001		040MZ31101		040MZ31201		040MZ31301		
		SAMPLE DATE ----->	12/01/95		11/29/95		12/01/95		11/29/95		12/01/95		11/27/95		
		DATE EXTRACTED -->	12/28/95		12/02/95		12/06/95		12/02/95		12/06/95		11/30/95		
		DATE ANALYZED --->	01/04/96		12/09/95		12/14/95		12/08/95		12/12/95		12/17/95		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		EM0040	VAL	Z30301	VAL	Z31001	VAL	Z30301	VAL	Z31001	VAL	041M10	VAL	
121-14-2	2,4-Dinitrotoluene		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
84-66-2	Diethylphthalate		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
7005-72-3	4-Chlorophenylphenyl ether		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
86-73-7	Fluorene		22.	UJ	20.	U	21.	U	20.	U	20.	U	21.	U	
100-01-6	4-Nitroaniline		1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	
534-52-1	2-Methyl-4,6-Dinitrophenol		1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	
86-30-6	N-Nitrosodiphenylamine		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
101-55-3	4-Bromophenyl-phenylether		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
118-74-1	Hexachlorobenzene		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
87-86-5	Pentachlorophenol		1100.	UJ	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	
85-01-8	Phenanthrene		590.	J	30.	J	48.		41.	U	41.	U	42.	U	
120-12-7	Anthracene		100.	J	42.	U	43.	U	41.	U	41.	U	42.	U	
84-74-2	Di-n-butylphthalate		30.	J	420.	U	430.	U	24.	J	32.	J	420.	U	
206-44-0	Fluoranthene		1200.	J	100.		160.		41.	J	26.	J	47.		
86-74-8	Carbazole		61.	J	420.	U	430.	U	410.	U	410.	U	420.	U	
129-00-0	Pyrene		840.	J	110.		150.		37.	J	25.	J	41.	J	
85-68-7	Butylbenzylphthalate		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
91-94-1	3,3'-Dichlorobenzidine		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
56-55-3	Benzo(a)anthracene		860.	J	66.		110.		28.	J	41.	U	29.	J	
218-01-9	Chrysene		1000.	J	82.		140.		35.	J	25.	J	35.	J	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		470.	UJ	420.	U	430.	U	410.	U	410.	U	52.	J	
117-84-0	Di-n-octylphthalate		440.	UJ	420.	U	430.	U	410.	U	410.	U	420.	U	
205-99-2	Benzo(b)fluoranthene		1800.	J	100.		230.		48.		36.	J	56.		
207-08-9	Benzo(k)fluoranthene		180.	J	49.		99.		27.	J	41.	U	30.	J	
50-32-8	Benzo(a)pyrene		1100.	J	72.		140.		40.	J	21.	J	38.	J	
193-39-5	Indeno(1,2,3-cd)pyrene		820.	J	82.		130.		28.	J	41.	U	23.	J	
53-70-3	Dibenz(a,h)anthracene		44.	UJ	42.	U	43.	U	41.	U	41.	U	42.	U	
191-24-2	Benzo(g,h,i)perylene		910.	J	94.		150.		34.	J	41.	U	27.	J	
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR		

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z314-01		040-M-Z315-01		040-M-Z316-01		040-M-Z317-01		040-M-Z318-01		040-M-Z319-01	
	ORIGINAL ID ----->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901	
	LAB SAMPLE ID --->	950998-06		950979-09		960040-09		950998-07		951005-03		950979-10	
	ID FROM REPORT -->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901	
	SAMPLE DATE ----->	12/01/95		11/27/95		01/23/96		12/01/95		12/01/95		11/27/95	
	DATE EXTRACTED -->	12/05/95		11/30/95		01/28/96		12/05/95		12/06/95		11/30/95	
	DATE ANALYZED --->	12/26/95		12/05/95		02/09/96		12/26/95		12/12/95		12/05/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0040	VAL	041M10	VAL	Z25001	VAL	EM0040	VAL	Z31001	VAL	041M10	VAL
108-95-2	Phenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
111-44-4	bis(2-Chloroethyl)ether	42.	U	42.	U	43.	U	40.	U	42.	U	230.	U
95-57-8	2-Chlorophenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
541-73-1	1,3-Dichlorobenzene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
106-46-7	1,4-Dichlorobenzene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
95-50-1	1,2-Dichlorobenzene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
95-48-7	2-Methylphenol (o-Cresol)	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
106-44-5	4-Methylphenol (p-Cresol)	420.	U	420.	U	22.	J	400.	U	420.	U	2300.	U
621-64-7	N-Nitroso-di-n-propylamine	42.	U	42.	U	43.	U	40.	U	42.	U	230.	U
67-72-1	Hexachloroethane	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
98-95-3	Nitrobenzene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
78-59-1	Isophorone	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
88-75-5	2-Nitrophenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
105-67-9	2,4-Dimethylphenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
120-83-2	2,4-Dichlorophenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
91-20-3	Naphthalene	42.	U	42.	U	23.	J	40.	U	42.	U	230.	U
106-47-8	4-Chloroaniline	420.	UR	420.	U	430.	U	400.	UR	420.	U	2300.	U
87-68-3	Hexachlorobutadiene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
59-50-7	4-Chloro-3-methylphenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
91-57-6	2-Methylnaphthalene	42.	U	42.	U	43.	U	40.	U	42.	U	230.	U
77-47-4	Hexachlorocyclopentadiene	420.	UJ	420.	U	430.	U	400.	UJ	420.	U	2300.	U
88-06-2	2,4,6-Trichlorophenol	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
95-95-4	2,4,5-Trichlorophenol	1000.	U	1000.	U	1000.	U	970.	U	1000.	U	5700.	U
91-58-7	2-Chloronaphthalene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
88-74-4	2-Nitroaniline	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
131-11-3	Dimethylphthalate	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
208-96-8	Acenaphthylene	42.	U	42.	U	43.	U	40.	U	42.	U	230.	U
606-20-2	2,6-Dinitrotoluene	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U
99-09-2	3-Nitroaniline	1000.	U	1000.	U	1000.	U	970.	U	1000.	U	5700.	U
83-32-9	Acenaphthene	21.	U	20.	U	21.	U	19.	U	20.	U	110.	U
51-28-5	2,4-Dinitrophenol	1000.	U	1000.	U	1000.	U	970.	U	1000.	UJ	5700.	U
100-02-7	4-Nitrophenol	1000.	U	1000.	U	1000.	U	970.	U	1000.	U	5700.	U
132-64-9	Dibenzofuran	420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z314-01		040-M-Z315-01		040-M-Z316-01		040-M-Z317-01		040-M-Z318-01		040-M-Z319-01		
		ORIGINAL ID ----->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901		
		LAB SAMPLE ID --->	950998-06		950979-09		960040-09		950998-07		951005-03		950979-10		
		ID FROM REPORT -->	040MZ31401		040MZ31501		040MZ31601		040MZ31701		040MZ31801		040MZ31901		
		SAMPLE DATE ----->	12/01/95		11/27/95		01/23/96		12/01/95		12/01/95		11/27/95		
		DATE EXTRACTED -->	12/05/95		11/30/95		01/28/96		12/05/95		12/06/95		11/30/95		
		DATE ANALYZED --->	12/26/95		12/05/95		02/09/96		12/26/95		12/12/95		12/05/95		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		EM0040	VAL	041M10	VAL	Z25001	VAL	EM0040	VAL	Z31001	VAL	041M10	VAL	
121-14-2	2,4-Dinitrotoluene		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
84-66-2	Diethylphthalate		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
7005-72-3	4-Chlorophenylphenyl ether		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
86-73-7	Fluorene		21.	U	20.	U	21.	U	19.	U	20.	U	110.	U	
100-01-6	4-Nitroaniline		1000.	U	1000.	U	1000.	U	970.	U	1000.	U	5700.	U	
534-52-1	2-Methyl-4,6-Dinitrophenol		1000.	U	1000.	U	1000.	U	970.	U	1000.	U	5700.	U	
86-30-6	N-Nitrosodiphenylamine		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
101-55-3	4-Bromophenyl-phenylether		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
118-74-1	Hexachlorobenzene		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
87-86-5	Pentachlorophenol		1000.	U	1000.	U	1000.	U	970.	U	1000.	U	5700.	U	
85-01-8	Phenanthrene		42.	U	42.	U	43.	U	32.	J	42.	U	190.	J	
120-12-7	Anthracene		42.	U	42.	U	43.	U	40.	U	42.	U	230.	U	
84-74-2	Di-n-butylphthalate		33.	J	23.	J	430.	U	32.	J	420.	U	160.	J	
206-44-0	Fluoranthene		42.	U	42.	U	35.	J	67.		42.	U	670.		
86-74-8	Carbazole		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
129-00-0	Pyrene		42.	U	42.	U	35.	J	58.		42.	U	520.		
85-68-7	Butylbenzylphthalate		420.	U	420.	U	430.	U	400.	U	420.	U	180.	J	
91-94-1	3,3'-Dichlorobenzidine		420.	U	420.	U	430.	U	400.	U	420.	U	2300.	U	
56-55-3	Benzo(a)anthracene		42.	U	42.	U	24.	J	23.	J	42.	U	260.		
218-01-9	Chrysene		42.	U	42.	U	34.	J	34.	J	42.	U	480.		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		420.	U	37.	J	46.	J	400.	U	420.	U	280.	J	
117-84-0	Di-n-octylphthalate		420.	U	420.	UJ	430.	U	400.	UJ	420.	U	2300.	UJ	
205-99-2	Benzo(b)fluoranthene		52.		42.	U	43.		95.	J	42.	U	780.		
207-08-9	Benzo(k)fluoranthene		47.		42.	U	23.	J	54.	J	42.	U	230.	J	
50-32-8	Benzo(a)pyrene		42.	U	42.	U	35.	J	40.	UJ	42.	U	400.		
193-39-5	Indeno(1,2,3-cd)pyrene		42.	U	42.	U	25.	J	40.	UJ	42.	U	240.		
53-70-3	Dibenz(a,h)anthracene		42.	U	42.	U	43.	U	40.	UJ	42.	U	230.	U	
191-24-2	Benzo(g,h,i)perylene		42.	U	42.	U	31.	J	40.	UJ	42.	U	250.		
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR		

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z320-01		040-M-Z321-01		040-M-Z322-01		040-M-Z323-01		040-M-Z324-01		040-M-Z401-01	
	ORIGINAL ID ----->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101	
	LAB SAMPLE ID --->	950979-11		950979-12		950979-13		950979-14		950979-15		950922-20	
	ID FROM REPORT -->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101	
	SAMPLE DATE ----->	11/27/95		11/27/95		11/27/95		11/27/95		11/27/95		11/10/95	
	DATE EXTRACTED -->	11/30/95		11/30/95		11/30/95		11/30/95		11/30/95		11/14/95	
	DATE ANALYZED --->	12/05/95		12/05/95		12/05/95		12/05/95		12/12/95		11/25/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	Z61101	VAL
108-95-2	Phenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
111-44-4	bis(2-Chloroethyl)ether	49.	U	41.	U	42.	U	89.	U	1700.	U	130.	U
95-57-8	2-Chlorophenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
541-73-1	1,3-Dichlorobenzene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
106-46-7	1,4-Dichlorobenzene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
95-50-1	1,2-Dichlorobenzene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
95-48-7	2-Methylphenol (o-Cresol)	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	UJ
106-44-5	4-Methylphenol (p-Cresol)	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
621-64-7	N-Nitroso-di-n-propylamine	49.	U	41.	U	42.	U	89.	U	1700.	U	130.	U
67-72-1	Hexachloroethane	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
98-95-3	Nitrobenzene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
78-59-1	Isophorone	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
88-75-5	2-Nitrophenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
105-67-9	2,4-Dimethylphenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
111-91-1	bis(2-Chloroethoxy)methane	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
120-83-2	2,4-Dichlorophenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
120-82-1	1,2,4-Trichlorobenzene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
91-20-3	Naphthalene	49.	U	41.	U	42.	U	89.	U	1700.	U	130.	U
106-47-8	4-Chloroaniline	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
87-68-3	Hexachlorobutadiene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
59-50-7	4-Chloro-3-methylphenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
91-57-6	2-Methylnaphthalene	49.	U	41.	U	42.	U	89.	U	1700.	U	130.	U
77-47-4	Hexachlorocyclopentadiene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
88-06-2	2,4,6-Trichlorophenol	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
95-95-4	2,4,5-Trichlorophenol	1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U
91-58-7	2-Chloronaphthalene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
88-74-4	2-Nitroaniline	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
131-11-3	Dimethylphthalate	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
208-96-8	Acenaphthylene	49.	U	41.	U	42.	U	89.	U	1700.	U	130.	U
606-20-2	2,6-Dinitrotoluene	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U
99-09-2	3-Nitroaniline	1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U
83-32-9	Acenaphthene	24.	U	20.	U	20.	U	43.	U	10000.		63.	U
51-28-5	2,4-Dinitrophenol	1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U
100-02-7	4-Nitrophenol	1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U
132-64-9	Dibenzofuran	490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z320-01		040-M-Z321-01		040-M-Z322-01		040-M-Z323-01		040-M-Z324-01		040-M-Z401-01		
		ORIGINAL ID ----->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101		
		LAB SAMPLE ID --->	950979-11		950979-12		950979-13		950979-14		950979-15		950922-20		
		ID FROM REPORT -->	040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401		040MZ40101		
		SAMPLE DATE ----->	11/27/95		11/27/95		11/27/95		11/27/95		11/27/95		11/10/95		
		DATE EXTRACTED -->	11/30/95		11/30/95		11/30/95		11/30/95		11/30/95		11/14/95		
		DATE ANALYZED --->	12/05/95		12/05/95		12/05/95		12/05/95		12/12/95		11/25/95		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	Z61101	VAL	
121-14-2	2,4-Dinitrotoluene		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U	
84-66-2	Diethylphthalate		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U	
7005-72-3	4-Chlorophenylphenyl ether		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U	
86-73-7	Fluorene		24.	U	20.	U	20.	U	43.	U	7900.	J	63.	U	
100-01-6	4-Nitroaniline		1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U	
534-52-1	2-Methyl-4,6-Dinitrophenol		1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U	
86-30-6	N-Nitrosodiphenylamine		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U	
101-55-3	4-Bromophenyl-phenylether		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U	
118-74-1	Hexachlorobenzene		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	U	
87-86-5	Pentachlorophenol		1200.	U	990.	U	1000.	U	2200.	U	42000.	U	3200.	U	
85-01-8	Phenanthrene		27.	J	30.	J	32.	J	160.		25000.		120.	J	
120-12-7	Anthracene		49.	U	41.	U	42.	U	120.		5500.		130.	U	
84-74-2	Di-n-butylphthalate		490.	U	26.	J	24.	J	890.	U	17000.	U	66.	J	
206-44-0	Fluoranthene		74.		110.		110.		430.		52000.		300.		
86-74-8	Carbazole		490.	U	410.	U	420.	U	890.	U	17000.	UJ	1300.	U	
129-00-0	Pyrene		59.		67.		77.		750.		89000.		280.		
85-68-7	Butylbenzylphthalate		27.	J	410.	U	420.	U	890.	U	17000.	U	1300.	U	
91-94-1	3,3'-Dichlorobenzidine		490.	U	410.	U	420.	U	890.	U	17000.	U	1300.	UJ	
56-55-3	Benzo(a)anthracene		35.	J	55.		50.		780.		44000.		160.		
218-01-9	Chrysene		61.		54.		84.		750.		44000.		170.		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		79.	J	28.	J	49.	J	80.	J	17000.	U	1300.	UJ	
117-84-0	Di-n-octylphthalate		490.	UJ	410.	UJ	420.	UJ	890.	UJ	17000.	U	1300.	U	
205-99-2	Benzo(b)fluoranthene		100.		140.		140.		1700.		19000.	J	270.		
207-08-9	Benzo(k)fluoranthene		49.	U	41.	U	42.	U	510.		16000.		140.		
50-32-8	Benzo(a)pyrene		53.		73.		73.		860.		21000.		190.		
193-39-5	Indeno(1,2,3-cd)pyrene		32.	J	40.	J	43.		360.		7500.		120.	J	
53-70-3	Dibenz(a,h)anthracene		49.	U	41.	U	42.	U	72.	J	1700.	U	130.	U	
191-24-2	Benzo(g,h,i)perylene		32.	J	42.		47.		330.		7700.		170.		
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR		

*** Validation Complete ***

SVOA													
	SAMPLE ID ------->	040-M-Z402-01		040-M-Z403-01		040-M-Z404-01		040-M-Z405-01		040-M-Z406-01		040-M-Z407-01	
	ORIGINAL ID ----->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
	LAB SAMPLE ID --->	950922-21		951005-04		950922-22		960040-10		951005-05		950922-23	
	ID FROM REPORT -->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
	SAMPLE DATE ----->	11/10/95		12/01/95		11/10/95		01/23/96		12/01/95		11/10/95	
	DATE EXTRACTED -->	11/14/95		12/06/95		11/14/95		01/28/96		12/06/95		11/14/95	
	DATE ANALYZED --->	11/25/95		12/12/95		11/25/95		02/09/96		12/12/95		11/25/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z61101	VAL	Z31001	VAL	Z61101	VAL	Z25001	VAL	Z31001	VAL	Z61101	VAL
108-95-2	Phenol	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
111-44-4	bis(2-Chloroethyl)ether	40.	U	41.	U	140.	U	73.	U	42.	U	43.	U
95-57-8	2-Chlorophenol	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
541-73-1	1,3-Dichlorobenzene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
106-46-7	1,4-Dichlorobenzene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
95-50-1	1,2-Dichlorobenzene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
95-48-7	2-Methylphenol (o-Cresol)	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400.	UJ	410.	U	1400.	UJ	730.	U	420.	U	430.	UJ
106-44-5	4-Methylphenol (p-Cresol)	400.	U	410.	U	1400.	U	82.	J	420.	U	430.	U
621-64-7	N-Nitroso-di-n-propylamine	40.	U	41.	U	140.	U	73.	U	42.	U	43.	U
67-72-1	Hexachloroethane	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
98-95-3	Nitrobenzene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
78-59-1	Isophorone	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
88-75-5	2-Nitrophenol	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
105-67-9	2,4-Dimethylphenol	400.	U	410.	U	1400.	U	37.	J	420.	U	430.	U
111-91-1	bis(2-Chloroethoxy)methane	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
120-83-2	2,4-Dichlorophenol	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
120-82-1	1,2,4-Trichlorobenzene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
91-20-3	Naphthalene	40.	U	41.	U	140.	U	80.		42.	U	43.	U
106-47-8	4-Chloroaniline	400.	U	410.	U	1400.	U	730.	U	420.	UR	430.	U
87-68-3	Hexachlorobutadiene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
59-50-7	4-Chloro-3-methylphenol	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
91-57-6	2-Methylnaphthalene	40.	U	41.	U	140.	U	59.	J	42.	U	43.	U
77-47-4	Hexachlorocyclopentadiene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
88-06-2	2,4,6-Trichlorophenol	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
95-95-4	2,4,5-Trichlorophenol	970.	U	1000.	U	3400.	U	1800.	U	1000.	U	1000.	U
91-58-7	2-Chloronaphthalene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
88-74-4	2-Nitroaniline	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
131-11-3	Dimethylphthalate	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
208-96-8	Acenaphthylene	40.	U	41.	U	140.	U	73.	U	42.	U	43.	U
606-20-2	2,6-Dinitrotoluene	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
99-09-2	3-Nitroaniline	970.	U	1000.	U	3400.	U	1800.	U	1000.	U	1000.	U
83-32-9	Acenaphthene	19.	U	20.	U	68.	U	35.	U	20.	U	21.	U
51-28-5	2,4-Dinitrophenol	970.	U	1000.	UJ	3400.	U	1800.	U	1000.	U	1000.	U
100-02-7	4-Nitrophenol	970.	U	1000.	U	3400.	U	1800.	U	1000.	U	1000.	U
132-64-9	Dibenzofuran	400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U

*** Validation Complete ***

SVOA													
		SAMPLE ID ------->	040-M-Z402-01		040-M-Z403-01		040-M-Z404-01		040-M-Z405-01		040-M-Z406-01		040-M-Z407-01	
		ORIGINAL ID ----->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
		LAB SAMPLE ID --->	950922-21		951005-04		950922-22		960040-10		951005-05		950922-23	
		ID FROM REPORT -->	040MZ40201		040MZ40301		040MZ40401		040MZ40501		040MZ40601		040MZ40701	
		SAMPLE DATE ----->	11/10/95		12/01/95		11/10/95		01/23/96		12/01/95		11/10/95	
		DATE EXTRACTED -->	11/14/95		12/06/95		11/14/95		01/28/96		12/06/95		11/14/95	
		DATE ANALYZED --->	11/25/95		12/12/95		11/25/95		02/09/96		12/12/95		11/25/95	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		Z61101	VAL	Z31001	VAL	Z61101	VAL	Z25001	VAL	Z31001	VAL	Z61101	VAL
121-14-2	2,4-Dinitrotoluene		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
84-66-2	Diethylphthalate		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
7005-72-3	4-Chlorophenylphenyl ether		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
86-73-7	Fluorene		19.	U	20.	U	68.	U	35.	U	20.	U	21.	U
100-01-6	4-Nitroaniline		970.	U	1000.	U	3400.	U	1800.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		970.	U	1000.	U	3400.	U	1800.	U	1000.	U	1000.	U
86-30-6	N-Nitrosodiphenylamine		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
101-55-3	4-Bromophenyl-phenylether		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
118-74-1	Hexachlorobenzene		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
87-86-5	Pentachlorophenol		970.	U	1000.	U	3400.	U	1800.	U	1000.	U	1000.	U
85-01-8	Phenanthrene		40.	U	28.	J	140.	J	110.		56.		74.	
120-12-7	Anthracene		40.	U	41.	U	140.	U	73.	U	42.	U	43.	U
84-74-2	Di-n-butylphthalate		32.	J	410.	U	90.	J	55.	J	420.	U	39.	J
206-44-0	Fluoranthene		40.	U	58.		390.		260.	J	82.		200.	
86-74-8	Carbazole		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
129-00-0	Pyrene		40.	U	57.		420.		220.		59.		190.	
85-68-7	Butylbenzylphthalate		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
91-94-1	3,3'-Dichlorobenzidine		400.	UJ	410.	U	1400.	UJ	730.	U	420.	U	430.	UJ
56-55-3	Benzo(a)anthracene		40.	U	22.	J	270.		110.		33.	J	91.	
218-01-9	Chrysene		40.	U	32.	J	280.		150.		32.	J	110.	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		400.	UJ	410.	U	1400.	UJ	91.	J	420.	U	430.	UJ
117-84-0	Di-n-octylphthalate		400.	U	410.	U	1400.	U	730.	U	420.	U	430.	U
205-99-2	Benzo(b)fluoranthene		40.	U	37.	J	390.		190.		47.		120.	
207-08-9	Benzo(k)fluoranthene		40.	U	41.	U	180.		93.		42.	U	52.	
50-32-8	Benzo(a)pyrene		40.	U	21.	J	240.		130.		26.	J	74.	
193-39-5	Indeno(1,2,3-cd)pyrene		40.	U	41.	U	150.		110.		42.	U	47.	
53-70-3	Dibenz(a,h)anthracene		40.	U	41.	U	140.	U	73.	U	42.	U	43.	U
191-24-2	Benzo(g,h,i)perylene		40.	U	41.	U	220.		130.		42.	U	57.	
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA															
	SAMPLE ID ------->	040-M-Z408-01		040-M-Z409-01		040-M-Z410-01		040-M-Z411-01		040-M-Z412-01		040-M-Z413-01	
	ORIGINAL ID ----->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
	LAB SAMPLE ID --->	950922-24		950991-07		951005-18		951005-19		951005-20		951005-21	
	ID FROM REPORT -->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
	SAMPLE DATE ----->	11/10/95		11/29/95		12/05/95		12/05/95		12/05/95		12/05/95	
	DATE EXTRACTED -->	11/14/95		12/02/95		12/12/95		12/12/95		12/12/95		12/12/95	
	DATE ANALYZED --->	11/25/95		12/08/95		12/16/95		12/16/95		12/16/95		12/16/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z61101	VAL	Z30301	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL
108-95-2	Phenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
111-44-4	bis(2-Chloroethyl)ether	51.	U	41.	U	41.	U	43.	U	42.	U	46.	U
95-57-8	2-Chlorophenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
541-73-1	1,3-Dichlorobenzene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
106-46-7	1,4-Dichlorobenzene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
95-50-1	1,2-Dichlorobenzene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
95-48-7	2-Methylphenol (o-Cresol)	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	510.	UJ	410.	U	410.	U	430.	U	420.	U	460.	U
106-44-5	4-Methylphenol (p-Cresol)	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
621-64-7	N-Nitroso-di-n-propylamine	51.	U	41.	U	41.	U	43.	U	42.	U	46.	U
67-72-1	Hexachloroethane	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
98-95-3	Nitrobenzene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
78-59-1	Isophorone	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
88-75-5	2-Nitrophenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
105-67-9	2,4-Dimethylphenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
111-91-1	bis(2-Chloroethoxy)methane	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
120-83-2	2,4-Dichlorophenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
120-82-1	1,2,4-Trichlorobenzene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
91-20-3	Naphthalene	51.	U	41.	U	41.	U	43.	U	42.	U	46.	U
106-47-8	4-Chloroaniline	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
87-68-3	Hexachlorobutadiene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
59-50-7	4-Chloro-3-methylphenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
91-57-6	2-Methylnaphthalene	51.	U	41.	U	41.	U	43.	U	42.	U	46.	U
77-47-4	Hexachlorocyclopentadiene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
88-06-2	2,4,6-Trichlorophenol	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
95-95-4	2,4,5-Trichlorophenol	1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U
91-58-7	2-Chloronaphthalene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
88-74-4	2-Nitroaniline	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
131-11-3	Dimethylphthalate	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
208-96-8	Acenaphthylene	100.		41.	U	41.	U	43.	U	42.	U	46.	U
606-20-2	2,6-Dinitrotoluene	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U
99-09-2	3-Nitroaniline	1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U
83-32-9	Acenaphthene	35.		20.	U	20.	U	21.	U	20.	U	22.	U
51-28-5	2,4-Dinitrophenol	1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U
100-02-7	4-Nitrophenol	1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U
132-64-9	Dibenzofuran	510.	U	410.	U	410.	U	430.	U	420.	U	460.	U

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z408-01		040-M-Z409-01		040-M-Z410-01		040-M-Z411-01		040-M-Z412-01		040-M-Z413-01		
		ORIGINAL ID ----->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301		
		LAB SAMPLE ID --->	950922-24		950991-07		951005-18		951005-19		951005-20		951005-21		
		ID FROM REPORT -->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301		
		SAMPLE DATE ----->	11/10/95		11/29/95		12/05/95		12/05/95		12/05/95		12/05/95		
		DATE EXTRACTED -->	11/14/95		12/02/95		12/12/95		12/12/95		12/12/95		12/12/95		
		DATE ANALYZED --->	11/25/95		12/08/95		12/16/95		12/16/95		12/16/95		12/16/95		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		Z61101	VAL	Z30301	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL	
121-14-2	2,4-Dinitrotoluene		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
84-66-2	Diethylphthalate		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
7005-72-3	4-Chlorophenylphenyl ether		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
86-73-7	Fluorene		55.		20.	U	20.	U	21.	U	20.	U	22.	U	
100-01-6	4-Nitroaniline		1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U	
534-52-1	2-Methyl-4,6-Dinitrophenol		1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U	
86-30-6	N-Nitrosodiphenylamine		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
101-55-3	4-Bromophenyl-phenylether		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
118-74-1	Hexachlorobenzene		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
87-86-5	Pentachlorophenol		1200.	U	990.	U	990.	U	1000.	U	1000.	U	1100.	U	
85-01-8	Phenanthrene		460.		41.	U	41.	U	43.	U	42.	U	46.	U	
120-12-7	Anthracene		120.		41.	U	41.	U	43.	U	42.	U	46.	U	
84-74-2	Di-n-butylphthalate		510.	U	410.	U	410.	U	430.	U	28.	J	30.	J	
206-44-0	Fluoranthene		1100.		37.	J	41.	U	39.	J	50.		39.	J	
86-74-8	Carbazole		62.	J	410.	U	410.	U	430.	U	420.	U	460.	U	
129-00-0	Pyrene		1100.		32.	J	41.	U	34.	J	41.	J	30.	J	
85-68-7	Butylbenzylphthalate		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
91-94-1	3,3'-Dichlorobenzidine		510.	UJ	410.	U	410.	U	430.	U	420.	U	460.	U	
56-55-3	Benzo(a)anthracene		530.		41.	U	41.	U	43.	U	25.	J	46.	U	
218-01-9	Chrysene		630.		41.	U	41.	U	43.	U	27.	J	46.	U	
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		510.	UJ	410.	U	410.	U	430.	U	420.	U	460.	U	
117-84-0	Di-n-octylphthalate		510.	U	410.	U	410.	U	430.	U	420.	U	460.	U	
205-99-2	Benzo(b)fluoranthene		660.		26.	J	41.	U	39.	J	38.	J	36.	J	
207-08-9	Benzo(k)fluoranthene		310.		41.	U	41.	U	43.	U	42.	U	46.	U	
50-32-8	Benzo(a)pyrene		470.		41.	U	41.	U	43.	U	42.	U	46.	U	
193-39-5	Indeno(1,2,3-cd)pyrene		270.		41.	U	41.	U	43.	U	42.	U	46.	U	
53-70-3	Dibenz(a,h)anthracene		51.	U	41.	U	41.	U	43.	U	42.	U	46.	U	
191-24-2	Benzo(g,h,i)perylene		340.		41.	U	41.	U	43.	U	42.	U	46.	U	
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR		

*** Validation Complete ***

SVOA															
		SAMPLE ID ------->	040-M-Z414-01		040-M-Z415-01		040-M-Z416-01		040-M-Z417-01		040-M-Z418-01		040-M-Z419-01		
		ORIGINAL ID ----->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901		
		LAB SAMPLE ID --->	951005-10		960040-11		951005-06		951005-07		950998-08		950930-01		
		ID FROM REPORT -->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901		
		SAMPLE DATE ----->	12/04/95		01/23/96		12/01/95		12/01/95		12/01/95		11/10/95		
		DATE EXTRACTED -->	12/06/95		01/28/96		12/06/95		12/06/95		12/05/95		11/14/95		
		DATE ANALYZED --->	12/20/95		02/09/96		12/12/95		12/14/95		12/27/95		11/25/95		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		Z31001	VAL	Z25001	VAL	Z31001	VAL	Z31001	VAL	EM0040	VAL	Z41901	VAL	
108-95-2	Phenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
111-44-4	bis(2-Chloroethyl)ether		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U	
95-57-8	2-Chlorophenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
541-73-1	1,3-Dichlorobenzene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
106-46-7	1,4-Dichlorobenzene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
95-50-1	1,2-Dichlorobenzene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
95-48-7	2-Methylphenol (o-Cresol)		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
108-60-1	2,2'-oxybis(1-Chloropropane)		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
106-44-5	4-Methylphenol (p-Cresol)		420.	U	31.	J	420.	U	420.	U	420.	U	410.	U	
621-64-7	N-Nitroso-di-n-propylamine		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U	
67-72-1	Hexachloroethane		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
98-95-3	Nitrobenzene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
78-59-1	Isophorone		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
88-75-5	2-Nitrophenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
105-67-9	2,4-Dimethylphenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
111-91-1	bis(2-Chloroethoxy)methane		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
120-83-2	2,4-Dichlorophenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
120-82-1	1,2,4-Trichlorobenzene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
91-20-3	Naphthalene		42.	U	35.	J	42.	U	42.	U	42.	U	41.	U	
106-47-8	4-Chloroaniline		420.	U	430.	U	420.	U	420.	UR	420.	U	410.	U	
87-68-3	Hexachlorobutadiene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
59-50-7	4-Chloro-3-methylphenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
91-57-6	2-Methylnaphthalene		42.	U	25.	J	42.	U	42.	U	42.	U	41.	U	
77-47-4	Hexachlorocyclopentadiene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
88-06-2	2,4,6-Trichlorophenol		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
95-95-4	2,4,5-Trichlorophenol		1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	
91-58-7	2-Chloronaphthalene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
88-74-4	2-Nitroaniline		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
131-11-3	Dimethylphthalate		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
208-96-8	Acenaphthylene		42.	U	43.	U	42.	U	42.	U	42.	U	410.	U	
606-20-2	2,6-Dinitrotoluene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	
99-09-2	3-Nitroaniline		1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	
83-32-9	Acenaphthene		20.	U	21.	U	20.	U	20.	U	21.	U	20.	U	
51-28-5	2,4-Dinitrophenol		1000.	UJ	1000.	U	1000.	UJ	1000.	U	1000.	UR	1000.	U	
100-02-7	4-Nitrophenol		1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	
132-64-9	Dibenzofuran		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U	

*** Validation Complete ***

SVOA													
		SAMPLE ID ------->	040-M-Z414-01		040-M-Z415-01		040-M-Z416-01		040-M-Z417-01		040-M-Z418-01		040-M-Z419-01	
		ORIGINAL ID ----->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901	
		LAB SAMPLE ID --->	951005-10		960040-11		951005-06		951005-07		950998-08		950930-01	
		ID FROM REPORT -->	040MZ41401		040MZ41501		040MZ41601		040MZ41701		040MZ41801		040MZ41901	
		SAMPLE DATE ----->	12/04/95		01/23/96		12/01/95		12/01/95		12/01/95		11/10/95	
		DATE EXTRACTED -->	12/06/95		01/28/96		12/06/95		12/06/95		12/05/95		11/14/95	
		DATE ANALYZED --->	12/20/95		02/09/96		12/12/95		12/14/95		12/27/95		11/25/95	
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter		Z31001	VAL	Z25001	VAL	Z31001	VAL	Z31001	VAL	EM0040	VAL	Z41901	VAL
121-14-2	2,4-Dinitrotoluene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
84-66-2	Diethylphthalate		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
7005-72-3	4-Chlorophenylphenyl ether		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
86-73-7	Fluorene		20.	U	21.	U	20.	U	20.	U	21.	U	20.	U
100-01-6	4-Nitroaniline		1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		1000.	U	1000.	U	1000.	U	1000.	U	1000.	UJ	1000.	U
86-30-6	N-Nitrosodiphenylamine		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
101-55-3	4-Bromophenyl-phenylether		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
118-74-1	Hexachlorobenzene		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
87-86-5	Pentachlorophenol		1000.	U	1000.	U	1000.	U	1000.	U	1000.	U	1000.	U
85-01-8	Phenanthrene		42.	U	24.	J	42.	U	42.	U	42.	U	41.	U
120-12-7	Anthracene		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U
84-74-2	Di-n-butylphthalate		420.	U	36.	J	420.	U	420.	U	28.	J	410.	U
206-44-0	Fluoranthene		28.	J	44.	J	42.	U	42.	U	42.	U	57.	
86-74-8	Carbazole		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
129-00-0	Pyrene		25.	J	48.		42.	U	42.	U	42.	U	51.	
85-68-7	Butylbenzylphthalate		420.	U	39.	J	420.	U	420.	U	30.	J	410.	U
91-94-1	3,3'-Dichlorobenzidine		420.	U	430.	U	420.	U	420.	U	420.	U	410.	U
56-55-3	Benzo(a)anthracene		42.	U	23.	J	42.	U	42.	U	42.	U	25.	J
218-01-9	Chrysene		42.	U	27.	J	42.	U	42.	U	42.	U	30.	J
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		420.	U	43.	J	420.	U	420.	U	420.	U	410.	U
117-84-0	Di-n-octylphthalate		420.	U	430.	U	420.	U	420.	U	420.	U	410.	UJ
205-99-2	Benzo(b)fluoranthene		29.	J	32.	J	42.	U	42.	U	42.	U	31.	J
207-08-9	Benzo(k)fluoranthene		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U
50-32-8	Benzo(a)pyrene		42.	U	23.	J	42.	U	42.	U	42.	U	41.	U
193-39-5	Indeno(1,2,3-cd)pyrene		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U
53-70-3	Dibenz(a,h)anthracene		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U
191-24-2	Benzo(g,h,i)perylene		42.	U	43.	U	42.	U	42.	U	42.	U	41.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

SVOA											
	SAMPLE ID ------->	040-M-Z420-01		040-M-Z421-01		040-M-Z422-01		040-M-Z423-01		040-M-Z424-01	
	ORIGINAL ID ----->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401	
	LAB SAMPLE ID --->	950930-02		950952-01		950952-02		950952-03		950952-04	
	ID FROM REPORT -->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401	
	SAMPLE DATE ----->	11/10/95		11/17/95		11/17/95		11/17/95		11/17/95	
	DATE EXTRACTED -->	11/14/95		12/17/95		11/21/95		12/17/95		11/21/95	
	DATE ANALYZED --->	11/25/95		12/29/95		12/01/95		12/29/95		11/30/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z41901	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL
108-95-2	Phenol	410.	U	420.	U	410.	U	410.	U	400.	U
111-44-4	bis(2-Chloroethyl)ether	41.	U	42.	U	41.	U	41.	U	40.	U
95-57-8	2-Chlorophenol	410.	U	420.	U	410.	U	410.	U	400.	U
541-73-1	1,3-Dichlorobenzene	410.	U	420.	U	410.	U	410.	U	400.	U
106-46-7	1,4-Dichlorobenzene	410.	U	420.	U	410.	U	410.	U	400.	U
95-50-1	1,2-Dichlorobenzene	410.	U	420.	U	410.	U	410.	U	400.	U
95-48-7	2-Methylphenol (o-Cresol)	410.	U	420.	U	410.	U	410.	U	400.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410.	U	420.	U	410.	U	410.	U	400.	UJ
106-44-5	4-Methylphenol (p-Cresol)	410.	U	420.	U	410.	U	410.	U	400.	U
621-64-7	N-Nitroso-di-n-propylamine	41.	U	42.	U	41.	U	41.	U	40.	U
67-72-1	Hexachloroethane	410.	U	420.	U	410.	U	410.	U	400.	U
98-95-3	Nitrobenzene	410.	U	420.	U	410.	U	410.	U	400.	U
78-59-1	Isophorone	410.	U	420.	U	410.	U	410.	U	400.	U
88-75-5	2-Nitrophenol	410.	U	420.	U	410.	U	410.	U	400.	U
105-67-9	2,4-Dimethylphenol	410.	U	420.	U	410.	U	410.	U	400.	U
111-91-1	bis(2-Chloroethoxy)methane	410.	U	420.	U	410.	U	410.	U	400.	U
120-83-2	2,4-Dichlorophenol	410.	U	420.	U	410.	U	410.	U	400.	U
120-82-1	1,2,4-Trichlorobenzene	410.	U	420.	U	410.	U	410.	U	400.	U
91-20-3	Naphthalene	41.	U	42.	U	41.	U	41.	U	40.	U
106-47-8	4-Chloroaniline	410.	U	420.	UJ	410.	U	410.	UJ	400.	U
87-68-3	Hexachlorobutadiene	410.	U	420.	U	410.	U	410.	U	400.	U
59-50-7	4-Chloro-3-methylphenol	410.	U	420.	U	410.	U	410.	U	400.	U
91-57-6	2-Methylnaphthalene	41.	U	42.	U	41.	U	41.	U	40.	U
77-47-4	Hexachlorocyclopentadiene	410.	U	420.	U	410.	UJ	410.	U	400.	UJ
88-06-2	2,4,6-Trichlorophenol	410.	U	420.	U	410.	U	410.	U	400.	U
95-95-4	2,4,5-Trichlorophenol	990.	U	1000.	U	980.	U	990.	U	970.	U
91-58-7	2-Chloronaphthalene	410.	U	420.	U	410.	U	410.	U	400.	U
88-74-4	2-Nitroaniline	410.	U	420.	U	410.	U	410.	U	400.	U
131-11-3	Dimethylphthalate	410.	U	420.	U	410.	U	410.	U	400.	U
208-96-8	Acenaphthylene	410.	U	42.	U	41.	U	41.	U	40.	U
606-20-2	2,6-Dinitrotoluene	410.	U	420.	U	410.	U	410.	U	400.	U
99-09-2	3-Nitroaniline	990.	U	1000.	UJ	980.	UJ	990.	UJ	970.	UJ
83-32-9	Acenaphthene	20.	U	20.	U	20.	U	20.	U	19.	U
51-28-5	2,4-Dinitrophenol	990.	U	1000.	UJ	980.	U	990.	UJ	970.	U
100-02-7	4-Nitrophenol	990.	U	1000.	U	980.	U	990.	U	970.	UJ
132-64-9	Dibenzofuran	410.	U	420.	U	410.	U	410.	U	400.	U

*** Validation Complete ***

SVOA											
	SAMPLE ID ------->	040-M-Z420-01		040-M-Z421-01		040-M-Z422-01		040-M-Z423-01		040-M-Z424-01	
	ORIGINAL ID ----->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401	
	LAB SAMPLE ID --->	950930-02		950952-01		950952-02		950952-03		950952-04	
	ID FROM REPORT -->	040MZ42001		040MZ42101		040MZ42201		040MZ42301		040MZ42401	
	SAMPLE DATE ----->	11/10/95		11/17/95		11/17/95		11/17/95		11/17/95	
	DATE EXTRACTED -->	11/14/95		12/17/95		11/21/95		12/17/95		11/21/95	
	DATE ANALYZED --->	11/25/95		12/29/95		12/01/95		12/29/95		11/30/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z41901	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL
121-14-2	2,4-Dinitrotoluene	410.	U	420.	U	410.	U	410.	U	400.	U
84-66-2	Diethylphthalate	410.	U	420.	U	410.	U	410.	U	400.	U
7005-72-3	4-Chlorophenylphenyl ether	410.	U	420.	U	410.	U	410.	U	400.	U
86-73-7	Fluorene	20.	U	20.	U	20.	U	20.	U	19.	U
100-01-6	4-Nitroaniline	990.	U	1000.	UJ	980.	U	990.	UJ	970.	UJ
534-52-1	2-Methyl-4,6-Dinitrophenol	990.	U	1000.	U	980.	U	990.	U	970.	U
86-30-6	N-Nitrosodiphenylamine	410.	U	420.	U	410.	U	410.	U	400.	U
101-55-3	4-Bromophenyl-phenylether	410.	U	420.	U	410.	U	410.	U	400.	U
118-74-1	Hexachlorobenzene	410.	U	420.	U	410.	U	410.	U	400.	U
87-86-5	Pentachlorophenol	990.	U	1000.	U	980.	U	990.	U	970.	U
85-01-8	Phenanthrene	61.		42.	U	41.	U	41.	U	40.	U
120-12-7	Anthracene	41.	U	420.	U	410.	U	41.	U	40.	U
84-74-2	Di-n-butylphthalate	410.	U	420.	U	26.	J	410.	U	400.	U
206-44-0	Fluoranthene	90.		42.	U	41.	U	41.	U	40.	U
86-74-8	Carbazole	410.	U	420.	U	410.	UJ	410.	U	400.	U
129-00-0	Pyrene	55.		42.	U	41.	U	41.	U	40.	U
85-68-7	Butylbenzylphthalate	410.	U	420.	U	410.	U	410.	U	400.	U
91-94-1	3,3'-Dichlorobenzidine	410.	U	420.	U	410.	U	410.	U	400.	UJ
56-55-3	Benzo(a)anthracene	32.	J	42.	U	41.	U	41.	U	40.	U
218-01-9	Chrysene	39.	J	42.	U	41.	U	41.	U	40.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	410.	U	420.	U	410.	U	410.	U	400.	U
117-84-0	Di-n-octylphthalate	410.	UJ	420.	UJ	410.	U	410.	UJ	400.	U
205-99-2	Benzo(b)fluoranthene	48.		42.	U	41.	U	41.	U	40.	U
207-08-9	Benzo(k)fluoranthene	21.	J	42.	U	41.	U	41.	U	40.	U
50-32-8	Benzo(a)pyrene	24.	J	42.	U	41.	U	41.	U	40.	U
193-39-5	Indeno(1,2,3-cd)pyrene	41.	U	42.	U	41.	U	41.	U	40.	U
53-70-3	Dibenz(a,h)anthracene	41.	U	42.	U	41.	U	41.	U	40.	U
191-24-2	Benzo(g,h,i)perylene	41.	U	42.	U	41.	U	41.	U	40.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	NR		NR		NR		NR		NR	

*** Validation Complete ***

TOC							
	SAMPLE ID ------->	040-M-Z101-01	040-M-Z102-01	040-M-Z103-01	040-M-Z104-01	040-M-Z105-01	040-M-Z106-01
	ORIGINAL ID ----->	040MZ10101	040MZ10201	040MZ10301	040MZ10401	040MZ10501	040MZ10601
	LAB SAMPLE ID --->	960084-16	960084-17	960084-18	960084-04	960084-05	960084-06
	ID FROM REPORT -->	040MZ10101	040MZ10201	040MZ10301	040MZ10401	040MZ10501	040MZ10601
	SAMPLE DATE ----->	02/05/96	02/05/96	02/05/96	02/01/96	02/01/96	02/01/96
	DATE EXTRACTED -->	02/27/96	02/27/96	02/27/96	02/25/96	02/25/96	02/25/96
	DATE ANALYZED --->	02/27/96	02/27/96	02/27/96	02/25/96	02/25/96	02/25/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020
9999900-01-4	Total Organic Carbon (TOC)	6410.	1790.	1300.	11500.	42200.	45300.

TOC							
	SAMPLE ID ------->	040-M-Z107-01	040-M-Z108-01	040-M-Z109-01	040-M-Z110-01	040-M-Z111-01	040-M-Z112-01
	ORIGINAL ID ----->	040MZ10701	040MZ10801	040MZ10901	040MZ11001	040MZ11101	040MZ11201
	LAB SAMPLE ID --->	960084-07	960084-08	960084-09	960084-10	960084-11	960084-12
	ID FROM REPORT -->	040MZ10701	040MZ10801	040MZ10901	040MZ11001	040MZ11101	040MZ11201
	SAMPLE DATE ----->	02/01/96	02/01/96	02/01/96	02/01/96	02/01/96	02/01/96
	DATE EXTRACTED -->	02/25/96	02/25/96	02/25/96	02/25/96	02/26/96	02/26/96
	DATE ANALYZED --->	02/25/96	02/25/96	02/25/96	02/25/96	02/26/96	02/26/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020	MZ6020
9999900-01-4	Total Organic Carbon (TOC)	62200.	4260.	43200.	4010.	1540.	49200.

TOC							
	SAMPLE ID ------->	040-M-Z113-01	040-M-Z114-01	040-M-Z115-01	040-M-Z116-01	040-M-Z117-01	040-M-Z118-01
	ORIGINAL ID ----->	040MZ11301	040MZ11401	040MZ11501	040MZ11601	040MZ11701	040MZ11801
	LAB SAMPLE ID --->	960084-13	960065-12	960065-13	960065-14	960065-15	960065-16
	ID FROM REPORT -->	040MZ11301	040MZ11401	040MZ11501	040MZ11601	040MZ11701	040MZ11801
	SAMPLE DATE ----->	02/01/96	01/26/96	01/26/96	01/26/96	01/26/96	01/26/96
	DATE EXTRACTED -->	02/26/96	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96
	DATE ANALYZED --->	02/26/96	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ6020	EM0100	EM0100	EM0100	EM0100	EM0100
9999900-01-4	Total Organic Carbon (TOC)	10200.	43200.	41200.	39000.	1910.	1670.

TOC							
	SAMPLE ID ------->	040-M-Z119-01	040-M-Z120-01	040-M-Z121-01	040-M-Z122-01	040-M-Z123-01	040-M-Z124-01
	ORIGINAL ID ----->	040MZ11901	040MZ12001	040MZ12101	040MZ12201	040MZ12301	040MZ12401
	LAB SAMPLE ID --->	960065-17	960065-18	960065-19	960065-03	960065-04	960065-05
	ID FROM REPORT -->	040MZ11901	040MZ12001	040MZ12101	040MZ12201	040MZ12301	040MZ12401
	SAMPLE DATE ----->	01/26/96	01/26/96	01/26/96	01/25/96	01/25/96	01/25/96
	DATE EXTRACTED -->	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96
	DATE ANALYZED --->	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	EM0100	EM0100	EM0100	EM0100	EM0100	EM0100
9999900-01-4	Total Organic Carbon (TOC)	32700.	34600.	961.	42500.	5440.	2070.

TOC							
	SAMPLE ID ------->	040-M-Z125-01	040-M-Z126-01	040-M-Z127-01	040-M-Z128-01	040-M-Z129-01	040-M-Z130-01
	ORIGINAL ID ----->	040MZ12501	040MZ12601	040MZ12701	040MZ12801	040MZ12901	040MZ13001
	LAB SAMPLE ID --->	960065-06	960065-07	960065-08	960065-09	960065-10	960040-12
	ID FROM REPORT -->	040MZ12501	040MZ12601	040MZ12701	040MZ12801	040MZ12901	040MZ13001
	SAMPLE DATE ----->	01/25/96	01/25/96	01/25/96	01/25/96	01/25/96	01/24/96
	DATE EXTRACTED -->	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96	02/06/96
	DATE ANALYZED --->	02/20/96	02/20/96	02/20/96	02/20/96	02/20/96	02/06/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	EM0100	EM0100	EM0100	EM0100	EM0100	Z25001
9999900-01-4	Total Organic Carbon (TOC)	1710.	3890.	1580.	1430.	36800.	41200.

TOC							
	SAMPLE ID ------->	040-M-Z131-01	040-M-Z132-01	040-M-Z133-01	040-M-Z134-01	040-M-Z135-01	040-M-Z136-01
	ORIGINAL ID ----->	040MZ13101	040MZ13201	040MZ13301	040MZ13401	040MZ13501	040MZ13601
	LAB SAMPLE ID --->	960040-13	960040-14	960040-15	960084-19	960040-16	960040-17
	ID FROM REPORT -->	040MZ13101	040MZ13201	040MZ13301	040MZ13401	040MZ13501	040MZ13601
	SAMPLE DATE ----->	01/24/96	01/24/96	01/24/96	02/05/96	01/24/96	01/24/96
	DATE EXTRACTED -->	02/06/96	02/06/96	02/06/96	02/27/96	02/06/96	02/06/96
	DATE ANALYZED --->	02/06/96	02/06/96	02/06/96	02/27/96	02/06/96	02/06/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z25001	Z25001	Z25001	MZ6020	Z25001	Z25001
9999900-01-4	Total Organic Carbon (TOC)	691.	1090.	1580.	1320.	1250.	52200.

TOC							
	SAMPLE ID ------->	040-M-Z137-01	040-M-Z138-01	040-M-Z201-01	040-M-Z202-01	040-M-Z203-01	040-M-Z204-01
	ORIGINAL ID ----->	040MZ13701	040MZ13801	040MZ20101	040MZ20201	040MZ20301	040MZ20401
	LAB SAMPLE ID --->	960040-18	960040-19	960010-17	960010-18	960010-19	960010-20
	ID FROM REPORT -->	040MZ13701	040MZ13801	040MZ20101	040MZ20201	040MZ20301	040MZ20401
	SAMPLE DATE ----->	01/24/96	01/24/96	01/12/96	01/12/96	01/12/96	01/12/96
	DATE EXTRACTED -->	02/06/96	02/06/96	01/22/96	01/22/96	01/22/96	01/22/96
	DATE ANALYZED --->	02/06/96	02/06/96	01/22/96	01/22/96	01/22/96	01/22/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z25001	Z25001	Z50801	Z50801	Z50801	Z50801
9999900-01-4	Total Organic Carbon (TOC)	46200.	629.	647.	609.	628.	812.

TOC							
	SAMPLE ID ------->	040-M-Z205-01	040-M-Z206-01	040-M-Z207-01	040-M-Z208-01	040-M-Z209-01	040-M-Z210-01
	ORIGINAL ID ----->	040MZ20501	040MZ20601	040MZ20701	040MZ20801	040MZ20901	040MZ51001
	LAB SAMPLE ID --->	960084-20	960015-01	960015-02	960005-12	960005-11	960015-03
	ID FROM REPORT -->	040MZ20501	040MZ20601	040MZ20701	040MZ20801	040MZ20901	040MZ51001
	SAMPLE DATE ----->	02/05/96	01/12/96	01/12/96	01/05/96	01/05/96	01/12/96
	DATE EXTRACTED -->	02/27/96	01/23/96	01/23/96	01/16/96	01/16/96	01/23/96
	DATE ANALYZED --->	02/27/96	01/23/96	01/23/96	01/16/96	01/16/96	01/23/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ6020	Z20601	Z20601	Z22401	Z22401	Z20601
9999900-01-4	Total Organic Carbon (TOC)	41300.	39100.	953.	701.	1000.	2500.

TOC							
	SAMPLE ID ------->	040-M-Z211-01	040-M-Z212-01	040-M-Z213-01	040-M-Z214-01	040-M-Z215-01	040-M-Z216-01
	ORIGINAL ID ----->	040MZ21101	040MZ51201	040MZ21301	040MZ21401	040MZ21501	040MZ21601
	LAB SAMPLE ID --->	960093-01	960015-04	960010-11	960010-12	960010-13	960005-06
	ID FROM REPORT -->	040MZ21101	040MZ51201	040MZ21301	040MZ21401	040MZ21501	040MZ21601
	SAMPLE DATE ----->	02/05/96	01/12/96	01/11/96	01/11/96	01/11/96	01/04/96
	DATE EXTRACTED -->	02/29/96	01/23/96	01/22/96	01/22/96	01/22/96	01/16/96
	DATE ANALYZED --->	02/29/96	01/23/96	01/22/96	01/22/96	01/22/96	01/16/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ1010	Z20601	Z50801	Z50801	Z50801	Z22401
9999900-01-4	Total Organic Carbon (TOC)	3480.	4390.	3690.	56400.	52600.	6980.

TOC							
	SAMPLE ID ------->	040-M-Z217-01	040-M-Z218-01	040-M-Z219-01	040-M-Z220-01	040-M-Z221-01	040-M-Z222-01
	ORIGINAL ID ----->	040MZ21701	040MZ21801	040MZ21901	040MZ22001	040MZ22101	040MZ22201
	LAB SAMPLE ID --->	960005-05	960005-04	960005-03	960010-14	960093-02	960010-15
	ID FROM REPORT -->	040MZ21701	040MZ21801	040MZ21901	040MZ22001	040MZ22101	040MZ22201
	SAMPLE DATE ----->	01/04/96	01/04/96	01/04/96	01/11/96	02/05/96	01/11/96
	DATE EXTRACTED -->	01/16/96	01/16/96	01/16/96	01/22/96	02/29/96	01/22/96
	DATE ANALYZED --->	01/16/96	01/16/96	01/16/96	01/22/96	02/29/96	01/22/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z22401	Z22401	Z22401	Z50801	MZ1010	Z50801
9999900-01-4	Total Organic Carbon (TOC)	7730.	18300.	72400.	485.	12400.	16500.

TOC							
	SAMPLE ID ------->	040-M-Z223-01	040-M-Z224-01	040-M-Z225-01	040-M-Z226-01	040-M-Z227-01	040-M-Z228-01
	ORIGINAL ID ----->	040MZ22301	040MZ22401	040MZ22501	040MZ22601	040MZ22701	040MZ22801
	LAB SAMPLE ID --->	960005-02	960005-01	960002-08	960002-09	960002-10	960002-11
	ID FROM REPORT -->	040MZ22301	040MZ22401	040MZ22501	040MZ22601	040MZ22701	040MZ22801
	SAMPLE DATE ----->	01/04/96	01/04/96	01/03/96	01/03/96	01/03/96	01/03/96
	DATE EXTRACTED -->	01/16/96	01/16/96	01/15/96	01/15/96	01/15/96	01/16/96
	DATE ANALYZED --->	01/16/96	01/16/96	01/15/96	01/15/96	01/15/96	01/16/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z22401	Z22401	MZ2340	MZ2340	MZ2340	MZ2340
9999900-01-4	Total Organic Carbon (TOC)	56700.	48300.	13900.	46200.	1600.	37600.

TOC							
	SAMPLE ID ------->	040-M-Z229-01	040-M-Z230-01	040-M-Z231-01	040-M-Z232-01	040-M-Z233-01	040-M-Z234-01
	ORIGINAL ID ----->	040MZ22901	040MZ23001	040MZ23101	040MZ23201	040MZ23301	040MZ23401
	LAB SAMPLE ID --->	960093-03	960002-12	960002-13	960002-14	960002-15	960002-01
	ID FROM REPORT -->	040MZ22901	040MZ23001	040MZ23101	040MZ23201	040MZ23301	040MZ23401
	SAMPLE DATE ----->	02/05/96	01/03/96	01/03/96	01/03/96	01/03/96	01/02/96
	DATE EXTRACTED -->	02/29/96	01/16/96	01/16/96	01/16/96	01/16/96	01/15/96
	DATE ANALYZED --->	02/29/96	01/16/96	01/16/96	01/16/96	01/16/96	01/15/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ1010	MZ2340	MZ2340	MZ2340	MZ2340	MZ2340
9999900-01-4	Total Organic Carbon (TOC)	1860.	3010.	32700.	1270.	41500.	1450.

TOC							
	SAMPLE ID ------->	040-M-Z235-01	040-M-Z236-01	040-M-Z237-01	040-M-Z238-01	040-M-Z239-01	040-M-Z240-01
	ORIGINAL ID ----->	040MZ23501	040MZ23601	040MZ23701	040MZ23801	040MZ23901	040MZ24001
	LAB SAMPLE ID --->	960002-02	960002-03	960093-04	960002-04	960002-05	960002-06
	ID FROM REPORT -->	040MZ23501	040MZ23601	040MZ23701	040MZ23801	040MZ23901	040MZ24001
	SAMPLE DATE ----->	01/02/96	01/02/96	02/05/96	01/02/96	01/02/96	01/02/96
	DATE EXTRACTED -->	01/15/96	01/15/96	02/29/96	01/15/96	01/15/96	01/15/96
	DATE ANALYZED --->	01/15/96	01/15/96	02/29/96	01/15/96	01/15/96	01/15/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	MZ2340	MZ2340	MZ1010	MZ2340	MZ2340	MZ2340
9999900-01-4	Total Organic Carbon (TOC)	4370.	6170.	1520.	1050.	1700.	1020.

TOC							
	SAMPLE ID ------->	040-M-Z241-01	040-M-Z242-01	040-M-Z243-01	040-M-Z244-01	040-M-Z245-01	040-M-Z246-01
	ORIGINAL ID ----->	040MZ24101	040MZ24201	040MZ24301	040MZ24401	040MZ24501	040MZ24601
	LAB SAMPLE ID --->	951050-09	951050-10	960093-05	951050-11	951050-12	951050-13
	ID FROM REPORT -->	040MZ24101	040MZ24201	040MZ24301	040MZ24401	040MZ24501	040MZ24601
	SAMPLE DATE ----->	12/14/95	12/14/95	02/05/96	12/14/95	12/14/95	12/14/95
	DATE EXTRACTED -->	01/09/96	01/09/96	02/29/96	01/09/96	01/09/96	01/09/96
	DATE ANALYZED --->	01/09/96	01/09/96	02/29/96	01/09/96	01/09/96	01/09/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	EMD060	EMD060	MZ1010	EMD060	EMD060	EMD060
9999900-01-4	Total Organic Carbon (TOC)	1210.	1020.	1380.	39200.	36100.	1040.

TOC							
	SAMPLE ID ------->	040-M-Z247-01	040-M-Z248-01	040-M-Z249-01	040-M-Z250-01	040-M-Z251-01	040-M-Z252-01
	ORIGINAL ID ----->	040MZ24701	040MZ24801	040MZ24901	040MZ25001	040MZ25101	040MZ25201
	LAB SAMPLE ID --->	951050-14	951050-15	951050-16	960040-01	960093-06	960040-02
	ID FROM REPORT -->	040MZ24701	040MZ24801	040MZ24901	040MZ25001	040MZ25101	040MZ25201
	SAMPLE DATE ----->	12/14/95	12/14/95	12/14/95	01/17/96	02/05/96	01/17/96
	DATE EXTRACTED -->	01/09/96	01/09/96	01/09/96	02/05/96	02/29/96	02/05/96
	DATE ANALYZED --->	01/09/96	01/09/96	01/09/96	02/05/96	02/29/96	02/05/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	EMD060	EMD060	EMD060	Z25001	MZ1010	Z25001
9999900-01-4	Total Organic Carbon (TOC)	39500.	3580.	2650.	1450.	1510.	916.

TOC							
	SAMPLE ID ------->	040-M-Z253-01	040-M-Z254-01	040-M-Z255-01	040-M-Z256-01	040-M-Z257-01	040-M-Z301-01
	ORIGINAL ID ----->	040MZ25301	040MZ25401	040MZ25501	040MZ25601	040MZ25701	040MZ30101
	LAB SAMPLE ID --->	960040-03	960040-04	960040-05	960040-06	960040-07	950991-01
	ID FROM REPORT -->	040MZ25301	040MZ25401	040MZ25501	040MZ25601	040MZ25701	040MZ30101
	SAMPLE DATE ----->	01/17/96	01/17/96	01/17/96	01/17/96	01/17/96	11/29/95
	DATE EXTRACTED -->	02/05/96	02/05/96	02/05/96	02/05/96	02/06/96	12/22/96
	DATE ANALYZED --->	02/05/96	02/05/96	02/05/96	02/05/96	02/06/96	12/22/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z25001	Z25001	Z25001	Z25001	Z25001	Z30301
9999900-01-4	Total Organic Carbon (TOC)	626.	1380.	1200.	1210.	1070.	920.

TOC							
	SAMPLE ID ------->	040-M-Z302-01	040-M-Z303-01	040-M-Z304-01	040-M-Z305-01	040-M-Z306-01	040-M-Z307-01
	ORIGINAL ID ----->	040MZ30201	040MZ30301	040MZ30401	040MZ30501	040MZ30601	040MZ30701
	LAB SAMPLE ID --->	950991-02	950991-03	950998-03	960093-08	950998-04	950991-04
	ID FROM REPORT -->	040MZ30201	040MZ30301	040MZ30401	040MZ30501	040MZ30601	040MZ30701
	SAMPLE DATE ----->	11/29/95	11/29/95	11/30/95	02/06/96	12/01/95	11/29/95
	DATE EXTRACTED -->	12/22/96	12/22/96	12/26/96	02/29/96	12/26/96	12/22/96
	DATE ANALYZED --->	12/22/96	12/22/96	12/26/96	02/29/96	12/26/96	12/22/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z30301	Z30301	EM0040	MZ1010	EM0040	Z30301
9999900-01-4	Total Organic Carbon (TOC)	22300.	819.	4330.	1060.	978.	11800.

TOC							
	SAMPLE ID ------->	040-M-Z308-01	040-M-Z309-01	040-M-Z310-01	040-M-Z311-01	040-M-Z312-01	040-M-Z313-01
	ORIGINAL ID ----->	040MZ30801	040MZ30901	040MZ31001	040MZ31101	040MZ31201	040MZ31301
	LAB SAMPLE ID --->	950998-05	950991-05	951005-01	950991-06	951005-02	950979-08
	ID FROM REPORT -->	040MZ30801	040MZ30901	040MZ31001	040MZ31101	040MZ31201	040MZ31301
	SAMPLE DATE ----->	12/01/95	11/29/95	12/01/95	11/29/95	12/01/95	11/27/95
	DATE EXTRACTED -->	12/26/96	12/22/96	12/27/96	12/26/96	12/27/96	12/20/96
	DATE ANALYZED --->	12/26/96	12/22/96	12/27/96	12/26/96	12/27/96	12/20/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	EM0040	Z30301	Z31001	Z30301	Z31001	041M10
9999900-01-4	Total Organic Carbon (TOC)	2130.	1150.	1770.	1720.	1050.	2200.

TOC							
	SAMPLE ID ------->	040-M-Z314-01	040-M-Z315-01	040-M-Z316-01	040-M-Z317-01	040-M-Z318-01	040-M-Z319-01
	ORIGINAL ID ----->	040MZ31401	040MZ31501	040MZ31601	040MZ31701	040MZ31801	040MZ31901
	LAB SAMPLE ID --->	950998-06	950979-09	960040-09	950998-07	951005-03	950979-10
	ID FROM REPORT -->	040MZ31401	040MZ31501	040MZ31601	040MZ31701	040MZ31801	040MZ31901
	SAMPLE DATE ----->	12/01/95	11/27/95	01/23/96	12/01/95	12/01/95	11/27/95
	DATE EXTRACTED -->	12/26/96	12/20/96	02/06/96	12/26/96	12/27/96	12/20/96
	DATE ANALYZED --->	12/26/96	12/20/96	02/06/96	12/26/96	12/27/96	12/20/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	EM0040	041M10	Z25001	EM0040	Z31001	041M10
9999900-01-4	Total Organic Carbon (TOC)	1370.	1150.	898.	1250.	1030.	47300.

TOC							
	SAMPLE ID ------->	040-M-Z320-01	040-M-Z321-01	040-M-Z322-01	040-M-Z323-01	040-M-Z324-01	040-M-Z401-01
	ORIGINAL ID ----->	040MZ32001	040MZ32101	040MZ32201	040MZ32301	040MZ32401	040MZ40101
	LAB SAMPLE ID --->	950979-11	950979-12	950979-13	950979-14	950979-15	950922-20
	ID FROM REPORT -->	040MZ32001	040MZ32101	040MZ32201	040MZ32301	040MZ32401	040MZ40101
	SAMPLE DATE ----->	11/27/95	11/27/95	11/27/95	11/27/95	11/27/95	11/10/95
	DATE EXTRACTED -->	12/20/96	12/20/96	12/20/96	12/20/96	12/20/96	11/21/95
	DATE ANALYZED --->	12/20/96	12/20/96	12/20/96	12/20/96	12/20/96	11/21/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	041M10	041M10	041M10	041M10	041M10	Z61101
9999900-01-4	Total Organic Carbon (TOC)	4850.	2340.	2440.	27100.	2020.	55700.

TOC							
	SAMPLE ID ------->	040-M-Z402-01	040-M-Z403-01	040-M-Z404-01	040-M-Z405-01	040-M-Z406-01	040-M-Z407-01
	ORIGINAL ID ----->	040MZ40201	040MZ40301	040MZ40401	040MZ40501	040MZ40601	040MZ40701
	LAB SAMPLE ID --->	950922-21	951005-04	950922-22	960040-10	951005-05	950922-23
	ID FROM REPORT -->	040MZ40201	040MZ40301	040MZ40401	040MZ40501	040MZ40601	040MZ40701
	SAMPLE DATE ----->	11/10/95	12/01/95	11/10/95	01/23/96	12/01/95	11/10/95
	DATE EXTRACTED -->	11/21/95	12/27/96	11/21/95	02/06/96	12/27/96	11/21/95
	DATE ANALYZED --->	11/21/95	12/27/96	11/21/95	02/06/96	12/27/96	11/21/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z61101	Z31001	Z61101	Z25001	Z31001	Z61101
9999900-01-4	Total Organic Carbon (TOC)	1700.	1110.	42200.	13400.	1500.	4250.

TOC							
	SAMPLE ID ------->	040-M-Z408-01	040-M-Z409-01	040-M-Z410-01	040-M-Z411-01	040-M-Z412-01	040-M-Z413-01
	ORIGINAL ID ----->	040MZ40801	040MZ40901	040MZ41001	040MZ41101	040MZ41201	040MZ41301
	LAB SAMPLE ID --->	950922-24	950991-07	951005-18	951005-19	951005-20	951005-21
	ID FROM REPORT -->	040MZ40801	040MZ40901	040MZ41001	040MZ41101	040MZ41201	040MZ41301
	SAMPLE DATE ----->	11/10/95	11/29/95	12/05/95	12/05/95	12/05/95	12/05/95
	DATE EXTRACTED -->	11/21/95	12/26/96	12/27/96	12/27/96	12/27/96	12/27/96
	DATE ANALYZED --->	11/21/95	12/26/96	12/27/96	12/27/96	12/27/96	12/27/96
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z61101	Z30301	Z31001	Z31001	Z31001	Z31001
9999900-01-4	Total Organic Carbon (TOC)	17800.	750.	1890.	3590.	3410.	3640.

TOC							
	SAMPLE ID ------->	040-M-Z414-01	040-M-Z415-01	040-M-Z416-01	040-M-Z417-01	040-M-Z418-01	040-M-Z419-01
	ORIGINAL ID ----->	040MZ41401	040MZ41501	040MZ41601	040MZ41701	040MZ41801	040MZ41901
	LAB SAMPLE ID --->	951005-10	960040-11	951005-06	951005-07	950998-08	950930-01
	ID FROM REPORT -->	040MZ41401	040MZ41501	040MZ41601	040MZ41701	040MZ41801	040MZ41901
	SAMPLE DATE ----->	12/04/95	01/23/96	12/01/95	12/01/95	12/01/95	11/10/95
	DATE EXTRACTED -->	12/28/96	02/06/96	12/27/96	12/28/96	12/26/96	11/22/95
	DATE ANALYZED --->	12/28/96	02/06/96	12/27/96	12/28/96	12/26/96	11/22/95
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	Z31001	Z25001	Z31001	Z31001	EM0040	Z41901
9999900-01-4	Total Organic Carbon (TOC)	2970.	2270.	1850.	975.	1260.	1970.

TOC							
	SAMPLE ID ------->	040-M-Z420-01	040-M-Z421-01	040-M-Z422-01	040-M-Z423-01	040-M-Z424-01	
	ORIGINAL ID ----->	040MZ42001	040MZ42101	040MZ42201	040MZ42301	040MZ42401	
	LAB SAMPLE ID --->	950930-02	950952-01	950952-02	950952-03	950952-04	
	ID FROM REPORT -->	040MZ42001	040MZ42101	040MZ42201	040MZ42301	040MZ42401	
	SAMPLE DATE ----->	11/10/95	11/17/95	11/17/95	11/17/95	11/17/95	
	DATE EXTRACTED -->	11/22/95	12/02/96	12/02/96	12/02/96	12/02/96	
	DATE ANALYZED --->	11/22/95	12/02/96	12/02/96	12/02/96	12/02/96	
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	
CAS #	Parameter	Z41901	Z42101	Z42101	Z42101	Z42101	
9999900-01-4	Total Organic Carbon (TOC)	1880.	1400.	1310.	660.	707.	

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE IIA

VOA													
	SAMPLE ID ------->	040-M-Z101-01		040-M-Z102-01		040-M-Z103-01		040-M-Z104-01		040-M-Z105-01		040-M-Z106-01	
	ORIGINAL ID ----->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	LAB SAMPLE ID --->	960084-16		960084-17		960084-18		960084-04		960084-05		960084-06	
	ID FROM REPORT -->	040MZ10101		040MZ10201		040MZ10301		040MZ10401		040MZ10501		040MZ10601	
	SAMPLE DATE ----->	02/05/96		02/05/96		02/05/96		02/01/96		02/01/96		02/01/96	
	DATE ANALYZED --->	02/06/96		02/06/96		02/07/96		02/03/96		02/03/96		02/03/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
74-87-3	Chloromethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
74-83-9	Bromomethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	5.	U	10.	U	12.	U
75-00-3	Chloroethane	15.	UJ	14.	UJ	14.	U	18.	U	34.	U	40.	U
75-09-2	Methylene chloride	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
67-64-1	Acetone	21.	U	23.	U	14.	U	18.	U	34.	U	42.	U
75-15-0	Carbon disulfide	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
75-35-4	1,1-Dichloroethene	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
75-34-3	1,1-Dichloroethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
540-59-0	1,2-Dichloroethene (total)	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
67-66-3	Chloroform	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
107-06-2	1,2-Dichloroethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
78-93-3	2-Butanone (MEK)	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
71-55-6	1,1,1-Trichloroethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
56-23-5	Carbon tetrachloride	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
75-27-4	Bromodichloromethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
78-87-5	1,2-Dichloropropane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
10061-01-5	cis-1,3-Dichloropropene	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
79-01-6	Trichloroethene	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
124-48-1	Dibromochloromethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
79-00-5	1,1,2-Trichloroethane	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
71-43-2	Benzene	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
10061-02-6	trans-1,3-Dichloropropene	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
75-25-2	Bromoform	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	15.	U	14.	U	14.	U	18.	U	34.	U	40.	U
591-78-6	2-Hexanone	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
127-18-4	Tetrachloroethene	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
108-88-3	Toluene	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
108-90-7	Chlorobenzene	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
100-41-4	Ethylbenzene	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
100-42-5	Styrene	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ
1330-20-7	Xylene (Total)	15.	U	14.	U	14.	U	18.	U	34.	UJ	40.	UJ

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z107-01 RE		040-M-Z108-01		040-M-Z109-01		040-M-Z110-01		040-M-Z111-01		040-M-Z112-01	
	ORIGINAL ID ----->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	LAB SAMPLE ID --->	960084-07		960084-08		960084-09		960084-10		960084-11		960084-12	
	ID FROM REPORT -->	040MZ10701		040MZ10801		040MZ10901		040MZ11001		040MZ11101		040MZ11201	
	SAMPLE DATE ----->	02/01/96		02/01/96		02/01/96		02/01/96		02/01/96		02/01/96	
	DATE ANALYZED --->	02/04/96		02/04/96		02/03/96		02/03/96		02/04/96		02/04/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL	MZ6020	VAL
74-87-3	Chloromethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
74-83-9	Bromomethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
75-01-4	Vinyl chloride	14.	U	5.	U	13.	U	4.	U	4.	U	17.	U
75-00-3	Chloroethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
75-09-2	Methylene chloride	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
67-64-1	Acetone	45.	U	18.	U	42.	U	13.	U	12.	U	190.	U
75-15-0	Carbon disulfide	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
75-35-4	1,1-Dichloroethene	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
75-34-3	1,1-Dichloroethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
540-59-0	1,2-Dichloroethene (total)	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
67-66-3	Chloroform	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
107-06-2	1,2-Dichloroethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
78-93-3	2-Butanone (MEK)	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
71-55-6	1,1,1-Trichloroethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
56-23-5	Carbon tetrachloride	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
75-27-4	Bromodichloromethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
78-87-5	1,2-Dichloropropane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
10061-01-5	cis-1,3-Dichloropropene	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
79-01-6	Trichloroethene	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
124-48-1	Dibromochloromethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
79-00-5	1,1,2-Trichloroethane	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
71-43-2	Benzene	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
10061-02-6	trans-1,3-Dichloropropene	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
75-25-2	Bromoform	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	45.	U	18.	U	42.	U	13.	U	12.	U	56.	U
591-78-6	2-Hexanone	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
127-18-4	Tetrachloroethene	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
79-34-5	1,1,2,2-Tetrachloroethane	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
108-88-3	Toluene	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
108-90-7	Chlorobenzene	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
100-41-4	Ethylbenzene	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
100-42-5	Styrene	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U
1330-20-7	Xylene (Total)	45.	UJ	18.	U	42.	UJ	13.	U	12.	U	56.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z113-01		040-M-Z114-01		040-M-Z115-01 RE		040-M-Z116-01		040-M-Z117-01		040-M-Z118-01 RE	
	ORIGINAL ID ----->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
	LAB SAMPLE ID --->	960084-13		960065-12		960065-13		960065-14		960065-15		960065-16	
	ID FROM REPORT -->	040MZ11301		040MZ11401		040MZ11501		040MZ11601		040MZ11701		040MZ11801	
	SAMPLE DATE ----->	02/01/96		01/26/96		01/26/96		01/26/96		01/26/96		01/26/96	
	DATE ANALYZED --->	02/03/96		01/28/96		01/30/96		01/28/96		01/28/96		01/30/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ6020	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL	EM0100	VAL
74-87-3	Chloromethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
74-83-9	Bromomethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
75-01-4	Vinyl chloride	5.	U	14.	U	14.	U	13.	U	4.	U	4.	U
75-00-3	Chloroethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
75-09-2	Methylene chloride	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
67-64-1	Acetone	18.	U	65.	U	140.		43.	U	14.	U	13.	U
75-15-0	Carbon disulfide	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
75-35-4	1,1-Dichloroethene	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
75-34-3	1,1-Dichloroethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
540-59-0	1,2-Dichloroethene (total)	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
67-66-3	Chloroform	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
107-06-2	1,2-Dichloroethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
78-93-3	2-Butanone (MEK)	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
71-55-6	1,1,1-Trichloroethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
56-23-5	Carbon tetrachloride	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
75-27-4	Bromodichloromethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
78-87-5	1,2-Dichloropropane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
10061-01-5	cis-1,3-Dichloropropene	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
79-01-6	Trichloroethene	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
124-48-1	Dibromochloromethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
79-00-5	1,1,2-Trichloroethane	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
71-43-2	Benzene	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
10061-02-6	trans-1,3-Dichloropropene	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
75-25-2	Bromoform	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	18.	U	45.	U	48.	U	43.	U	14.	U	13.	U
591-78-6	2-Hexanone	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
127-18-4	Tetrachloroethene	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
79-34-5	1,1,2,2-Tetrachloroethane	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
108-88-3	Toluene	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
108-90-7	Chlorobenzene	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
100-41-4	Ethylbenzene	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
100-42-5	Styrene	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ
1330-20-7	Xylene (Total)	18.	U	45.	UJ	48.	UJ	43.	UJ	14.	U	13.	UJ

*** Validation Complete ***

VOA															
	SAMPLE ID ------->	040-M-Z119-01		040-M-Z120-01 RE		040-M-Z121-01		040-M-Z134-01		040-M-Z201-01		040-M-Z202-01	
	ORIGINAL ID ----->	040MZ11901		040MZ12001		040MZ12101		040MZ13401		040MZ20101		040MZ20201	
	LAB SAMPLE ID --->	960065-17		960065-18		960065-19		960084-19		960010-17		960010-18	
	ID FROM REPORT -->	040MZ11901		040MZ12001		040MZ12101		040MZ13401		040MZ20101		040MZ20201	
	SAMPLE DATE ----->	01/26/96		01/26/96		01/26/96		02/05/96		01/12/96		01/12/96	
	DATE ANALYZED --->	01/28/96		01/30/96		01/31/96		02/06/96		01/14/96		01/14/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0100	VAL	EM0100	VAL	EM0100	VAL	MZ6020	VAL	Z50801	VAL	Z50801	VAL
74-87-3	Chloromethane	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
74-83-9	Bromomethane	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
75-01-4	Vinyl chloride	16.	UJ	12.	U	4.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	53.	UJ	40.	U	12.	U	12.	UJ	12.	U	14.	U
75-09-2	Methylene chloride	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
67-64-1	Acetone	53.	UJ	40.	U	12.	U	14.	U	73.	U	60.	U
75-15-0	Carbon disulfide	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
75-35-4	1,1-Dichloroethene	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
75-34-3	1,1-Dichloroethane	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
540-59-0	1,2-Dichloroethene (total)	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
67-66-3	Chloroform	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
107-06-2	1,2-Dichloroethane	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
78-93-3	2-Butanone (MEK)	53.	UJ	40.	U	12.	U	12.	U	12.	U	14.	U
71-55-6	1,1,1-Trichloroethane	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
56-23-5	Carbon tetrachloride	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
75-27-4	Bromodichloromethane	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
78-87-5	1,2-Dichloropropane	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
10061-01-5	cis-1,3-Dichloropropene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
79-01-6	Trichloroethene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
124-48-1	Dibromochloromethane	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
79-00-5	1,1,2-Trichloroethane	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
71-43-2	Benzene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
10061-02-6	trans-1,3-Dichloropropene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
75-25-2	Bromoform	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
591-78-6	2-Hexanone	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
127-18-4	Tetrachloroethene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
108-88-3	Toluene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
108-90-7	Chlorobenzene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
100-41-4	Ethylbenzene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
100-42-5	Styrene	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U
1330-20-7	Xylene (Total)	53.	UJ	40.	UJ	12.	U	12.	U	12.	U	14.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z203-01		040-M-Z204-01		040-M-Z205-01		040-M-Z206-01		040-M-Z207-01		040-M-Z208-01	
	ORIGINAL ID ----->	040MZ20301		040MZ20401		040MZ20501		040MZ20601		040MZ20701		040MZ20801	
	LAB SAMPLE ID --->	960010-19		960010-20		960084-20		960015-01		960015-02		960005-12	
	ID FROM REPORT -->	040MZ20301		040MZ20401		040MZ20501		040MZ20601		040MZ20701		040MZ20801	
	SAMPLE DATE ----->	01/12/96		01/12/96		02/05/96		01/12/96		01/12/96		01/05/96	
	DATE ANALYZED --->	01/14/96		01/14/96		02/06/96		01/15/96		01/14/96		01/07/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z50801	VAL	Z50801	VAL	MZ6020	VAL	Z20601	VAL	Z20601	VAL	Z22401	VAL
74-87-3	Chloromethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
74-83-9	Bromomethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
75-01-4	Vinyl chloride	5.	U	4.	U	19.	U	17.	U	4.	U	4.	U
75-00-3	Chloroethane	15.	U	12.	U	62.	UJ	56.	U	12.	U	12.	U
75-09-2	Methylene chloride	15.	U	12.	U	62.	U	17.	U	12.	U	18.	U
67-64-1	Acetone	31.	U	12.	U	120.	U	630.		130.		36.	U
75-15-0	Carbon disulfide	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
75-35-4	1,1-Dichloroethene	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
75-34-3	1,1-Dichloroethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
540-59-0	1,2-Dichloroethene (total)	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
67-66-3	Chloroform	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
107-06-2	1,2-Dichloroethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
78-93-3	2-Butanone (MEK)	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
71-55-6	1,1,1-Trichloroethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
56-23-5	Carbon tetrachloride	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
75-27-4	Bromodichloromethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
78-87-5	1,2-Dichloropropane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
10061-01-5	cis-1,3-Dichloropropene	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
79-01-6	Trichloroethene	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
124-48-1	Dibromochloromethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
79-00-5	1,1,2-Trichloroethane	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
71-43-2	Benzene	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
10061-02-6	trans-1,3-Dichloropropene	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
75-25-2	Bromoform	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	15.	U	12.	U	62.	U	56.	U	12.	U	12.	U
591-78-6	2-Hexanone	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
127-18-4	Tetrachloroethene	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
108-88-3	Toluene	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
108-90-7	Chlorobenzene	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
100-41-4	Ethylbenzene	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
100-42-5	Styrene	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U
1330-20-7	Xylene (Total)	15.	U	12.	U	62.	UJ	56.	UJ	12.	U	12.	U

*** Validation Complete ***

VOA															
	SAMPLE ID ------->	040-M-Z209-01		040-M-Z210-01		040-M-Z211-01		040-M-Z212-01		040-M-Z213-01		040-M-Z214-01	
	ORIGINAL ID ----->	040MZ20901		040MZ51001		040MZ21101		040MZ51201		040MZ21301		040MZ21401	
	LAB SAMPLE ID --->	960005-11		960015-03		960093-01		960015-04		960010-11		960010-12	
	ID FROM REPORT -->	040MZ20901		040MZ51001		040MZ21101		040MZ51201		040MZ21301		040MZ21401	
	SAMPLE DATE ----->	01/05/96		01/12/96		02/05/96		01/12/96		01/11/96		01/11/96	
	DATE ANALYZED --->	01/07/96		01/14/96		02/07/96		01/14/96		01/14/96		01/15/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z22401	VAL	Z20601	VAL	MZ1010	VAL	Z20601	VAL	Z50801	VAL	Z50801	VAL
74-87-3	Chloromethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
74-83-9	Bromomethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U	12.	U
75-00-3	Chloroethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
75-09-2	Methylene chloride	15.	U	15.	U	14.	U	14.	U	14.	U	16.	J
67-64-1	Acetone	17.	U	15.	U	15.	U	28.	U	14.	U	200.	U
75-15-0	Carbon disulfide	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
75-35-4	1,1-Dichloroethene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
75-34-3	1,1-Dichloroethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
540-59-0	1,2-Dichloroethene (total)	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
67-66-3	Chloroform	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
107-06-2	1,2-Dichloroethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
78-93-3	2-Butanone (MEK)	12.	U	15.	U	14.	U	14.	U	14.	U	38.	UJ
71-55-6	1,1,1-Trichloroethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
56-23-5	Carbon tetrachloride	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
75-27-4	Bromodichloromethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
78-87-5	1,2-Dichloropropane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
79-01-6	Trichloroethene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
124-48-1	Dibromochloromethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
79-00-5	1,1,2-Trichloroethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
71-43-2	Benzene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
75-25-2	Bromoform	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
591-78-6	2-Hexanone	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
127-18-4	Tetrachloroethene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
108-88-3	Toluene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
108-90-7	Chlorobenzene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
100-41-4	Ethylbenzene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
100-42-5	Styrene	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U
1330-20-7	Xylene (Total)	12.	U	15.	U	14.	U	14.	U	14.	U	38.	U

*** Validation Complete ***

VOA															
	SAMPLE ID ------->	040-M-Z215-01		040-M-Z216-01		040-M-Z217-01		040-M-Z218-01		040-M-Z219-01		040-M-Z220-01	
	ORIGINAL ID ----->	040MZ21501		040MZ21601		040MZ21701		040MZ21801		040MZ21901		040MZ22001	
	LAB SAMPLE ID --->	960010-13		960005-06		9600005-05		960005-04		960005-03		960010-14	
	ID FROM REPORT -->	040MZ21501		040MZ21601		040MZ21701		040MZ21801		040MZ21901		040MZ22001	
	SAMPLE DATE ----->	01/11/96		01/04/96		01/04/96		01/04/96		01/04/96		01/11/96	
	DATE ANALYZED --->	01/15/96		01/07/96		01/10/96		01/07/96		01/06/96		01/14/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z50801	VAL	Z22401	VAL	Z22401	VAL	Z22401	VAL	Z22401	VAL	Z50801	VAL
74-87-3	Chloromethane	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
74-83-9	Bromomethane	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
75-01-4	Vinyl chloride	9.	U	5.	U	5.	U	6.	U	16.	U	4.	U
75-00-3	Chloroethane	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
75-09-2	Methylene chloride	11.	J	15.	U	17.	U	20.	U	53.	U	14.	U
67-64-1	Acetone	200.	U	35.	U	65.	J	81.		580.	U	14.	U
75-15-0	Carbon disulfide	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
75-35-4	1,1-Dichloroethene	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
75-34-3	1,1-Dichloroethane	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
540-59-0	1,2-Dichloroethene (total)	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
67-66-3	Chloroform	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
107-06-2	1,2-Dichloroethane	31.	U	15.	U	17.	U	20.	U	53.	U	14.	U
78-93-3	2-Butanone (MEK)	31.	UJ	15.	U	17.	U	20.	U	53.	U	14.	U
71-55-6	1,1,1-Trichloroethane	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
56-23-5	Carbon tetrachloride	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
75-27-4	Bromodichloromethane	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
78-87-5	1,2-Dichloropropane	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
10061-01-5	cis-1,3-Dichloropropene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
79-01-6	Trichloroethene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
124-48-1	Dibromochloromethane	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
79-00-5	1,1,2-Trichloroethane	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
71-43-2	Benzene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
10061-02-6	trans-1,3-Dichloropropene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
75-25-2	Bromoform	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
591-78-6	2-Hexanone	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
127-18-4	Tetrachloroethene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
108-88-3	Toluene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
108-90-7	Chlorobenzene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
100-41-4	Ethylbenzene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
100-42-5	Styrene	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U
1330-20-7	Xylene (Total)	31.	U	15.	U	17.	U	20.	U	53.	UJ	14.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z221-01		040-M-Z222-01		040-M-Z223-01		040-M-Z224-01		040-M-Z225-01		040-M-Z226-01	
	ORIGINAL ID ----->	040MZ22101		040MZ22201		040MZ22301		040MZ22401		040MZ22501		040MZ22601	
	LAB SAMPLE ID --->	960093-02		960010-15		960005-02		960005-01		960002-08		960002-09	
	ID FROM REPORT -->	040MZ22101		040MZ22201		040MZ22301		040MZ22401		040MZ22501		040MZ22601	
	SAMPLE DATE ----->	02/05/96		01/11/96		01/04/96		01/04/96		01/03/96		01/03/96	
	DATE ANALYZED --->	02/06/96		01/14/96		01/06/96		01/06/96		01/06/96		01/06/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	Z50801	VAL	Z22401	VAL	Z22401	VAL	MZ2340	VAL	MZ2340	VAL
74-87-3	Chloromethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
74-83-9	Bromomethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
75-01-4	Vinyl chloride	5.	U	4.	U	13.	U	13.	U	5.	U	16.	U
75-00-3	Chloroethane	16.	UJ	13.	U	43.	U	42.	U	17.	U	53.	U
75-09-2	Methylene chloride	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
67-64-1	Acetone	120.	U	13.	U	330.		420.		170.	J	280.	J
75-15-0	Carbon disulfide	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
75-35-4	1,1-Dichloroethene	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
75-34-3	1,1-Dichloroethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
540-59-0	1,2-Dichloroethene (total)	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
67-66-3	Chloroform	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
107-06-2	1,2-Dichloroethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
78-93-3	2-Butanone (MEK)	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
71-55-6	1,1,1-Trichloroethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
56-23-5	Carbon tetrachloride	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
75-27-4	Bromodichloromethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
78-87-5	1,2-Dichloropropane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
10061-01-5	cis-1,3-Dichloropropene	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
79-01-6	Trichloroethene	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
124-48-1	Dibromochloromethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
79-00-5	1,1,2-Trichloroethane	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
71-43-2	Benzene	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
10061-02-6	trans-1,3-Dichloropropene	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
75-25-2	Bromoform	16.	U	13.	U	43.	U	42.	U	17.	U	53.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	16.	U	13.	U	43.	U	42.	UJ	17.	U	53.	U
591-78-6	2-Hexanone	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
127-18-4	Tetrachloroethene	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
79-34-5	1,1,2,2-Tetrachloroethane	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
108-88-3	Toluene	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
108-90-7	Chlorobenzene	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
100-41-4	Ethylbenzene	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
100-42-5	Styrene	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U
1330-20-7	Xylene (Total)	16.	UJ	13.	U	43.	U	42.	UJ	17.	U	53.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z227-01		040-M-Z228-01		040-M-Z229-01		040-M-Z230-01		040-M-Z231-01		040-M-Z232-01	
	ORIGINAL ID ----->	040MZ22701		040MZ22801		040MZ22901		040MZ23001		040MZ23101		040MZ23201	
	LAB SAMPLE ID --->	960002-10		960002-11		960093-03		960002-12		960002-13		960002-14	
	ID FROM REPORT -->	040MZ22701		040MZ22801		040MZ22901		040MZ23001		040MZ23101		040MZ23201	
	SAMPLE DATE ----->	01/03/96		01/03/96		02/05/96		01/03/96		01/03/96		01/03/96	
	DATE ANALYZED --->	01/06/96		01/07/96		02/06/96		01/06/96		01/06/96		01/06/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ2340	VAL	MZ2340	VAL	MZ1010	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL
74-87-3	Chloromethane	13.	U	83.	U	13.	U	14.	U	32.	U	1.	J
74-83-9	Bromomethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
75-01-4	Vinyl chloride	4.	U	25.	U	4.	U	4.	U	10.	U	4.	U
75-00-3	Chloroethane	13.	U	83.	U	13.	UJ	14.	U	32.	U	12.	U
75-09-2	Methylene chloride	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
67-64-1	Acetone	150.	J	1200.		13.	U	160.	J	450.	J	170.	J
75-15-0	Carbon disulfide	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
75-35-4	1,1-Dichloroethene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
75-34-3	1,1-Dichloroethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
540-59-0	1,2-Dichloroethene (total)	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
67-66-3	Chloroform	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
107-06-2	1,2-Dichloroethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
78-93-3	2-Butanone (MEK)	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
71-55-6	1,1,1-Trichloroethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
56-23-5	Carbon tetrachloride	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
75-27-4	Bromodichloromethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
78-87-5	1,2-Dichloropropane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
79-01-6	Trichloroethene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
124-48-1	Dibromochloromethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
79-00-5	1,1,2-Trichloroethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
71-43-2	Benzene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
75-25-2	Bromoform	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
591-78-6	2-Hexanone	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
127-18-4	Tetrachloroethene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
108-88-3	Toluene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
108-90-7	Chlorobenzene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
100-41-4	Ethylbenzene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
100-42-5	Styrene	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U
1330-20-7	Xylene (Total)	13.	U	83.	U	13.	U	14.	U	32.	U	12.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z233-01		040-M-Z234-01		040-M-Z235-01		040-M-Z236-01		040-M-Z237-01		040-M-Z238-01	
	ORIGINAL ID ----->	040MZ23301		040MZ23401		040MZ23501		040MZ23601		040MZ23701		040MZ23801	
	LAB SAMPLE ID --->	960002-15		960002-01		960002-02		960002-03		960093-04		960002-04	
	ID FROM REPORT -->	040MZ23301		040MZ23401		040MZ23501		040MZ23601		040MZ23701		040MZ23801	
	SAMPLE DATE ----->	01/03/96		01/02/96		01/02/96		01/02/96		02/05/96		01/02/96	
	DATE ANALYZED --->	01/06/96		01/03/96		01/03/96		01/03/96		02/11/96		01/03/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ2340	VAL	MZ1010	VAL	MZ2340	VAL
74-87-3	Chloromethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
74-83-9	Bromomethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
75-01-4	Vinyl chloride	14.	U	4.	U	5.	U	5.	U	4.	U	4.	U
75-00-3	Chloroethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
75-09-2	Methylene chloride	45.	U	12.	U	27.	U	19.	U	14.	U	13.	U
67-64-1	Acetone	330.	J	25.	U	53.	U	45.	U	14.	U	20.	U
75-15-0	Carbon disulfide	12.	J	12.	U	16.	U	18.	U	14.	U	12.	U
75-35-4	1,1-Dichloroethene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
75-34-3	1,1-Dichloroethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
540-59-0	1,2-Dichloroethene (total)	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
67-66-3	Chloroform	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
107-06-2	1,2-Dichloroethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
78-93-3	2-Butanone (MEK)	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
71-55-6	1,1,1-Trichloroethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
56-23-5	Carbon tetrachloride	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
75-27-4	Bromodichloromethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
78-87-5	1,2-Dichloropropane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
10061-01-5	cis-1,3-Dichloropropene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
79-01-6	Trichloroethene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
124-48-1	Dibromochloromethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
79-00-5	1,1,2-Trichloroethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
71-43-2	Benzene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
10061-02-6	trans-1,3-Dichloropropene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
75-25-2	Bromoform	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
591-78-6	2-Hexanone	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
127-18-4	Tetrachloroethene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
108-88-3	Toluene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
108-90-7	Chlorobenzene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
100-41-4	Ethylbenzene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
100-42-5	Styrene	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U
1330-20-7	Xylene (Total)	45.	U	12.	U	16.	U	18.	U	14.	U	12.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z239-01		040-M-Z240-01		040-M-Z241-01		040-M-Z242-01		040-M-Z243-01		040-M-Z244-01	
	ORIGINAL ID ----->	040MZ23901		040MZ24001		040MZ24101		040MZ24201		040MZ24301		040MZ24401	
	LAB SAMPLE ID --->	960002-05		960002-06		951050-09		951050-10		960093-05		951050-11	
	ID FROM REPORT -->	040MZ23901		040MZ24001		040MZ24101		040MZ24201		040MZ24301		040MZ24401	
	SAMPLE DATE ----->	01/02/96		01/02/96		12/14/95		12/14/95		02/05/96		12/14/95	
	DATE ANALYZED --->	01/03/96		01/03/96		12/22/95		12/22/95		02/06/96		12/22/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ2340	VAL	MZ2340	VAL	EMD060	VAL	EMD060	VAL	MZ1010	VAL	EMD060	VAL
74-87-3	Chloromethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
74-83-9	Bromomethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U	19.	U
75-00-3	Chloroethane	12.	U	12.	U	13.	U	12.	U	14.	UJ	62.	U
75-09-2	Methylene chloride	12.	U	13.	U	13.	U	12.	U	14.	U	62.	U
67-64-1	Acetone	25.	U	45.	U	13.	U	12.	U	14.	U	62.	U
75-15-0	Carbon disulfide	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
75-35-4	1,1-Dichloroethene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
75-34-3	1,1-Dichloroethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
540-59-0	1,2-Dichloroethene (total)	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
67-66-3	Chloroform	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
107-06-2	1,2-Dichloroethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
78-93-3	2-Butanone (MEK)	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
71-55-6	1,1,1-Trichloroethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
56-23-5	Carbon tetrachloride	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
75-27-4	Bromodichloromethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
78-87-5	1,2-Dichloropropane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
79-01-6	Trichloroethene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
124-48-1	Dibromochloromethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
79-00-5	1,1,2-Trichloroethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
71-43-2	Benzene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
75-25-2	Bromoform	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
591-78-6	2-Hexanone	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
127-18-4	Tetrachloroethene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
108-88-3	Toluene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
108-90-7	Chlorobenzene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
100-41-4	Ethylbenzene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
100-42-5	Styrene	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U
1330-20-7	Xylene (Total)	12.	U	12.	U	13.	U	12.	U	14.	U	62.	U

*** Validation Complete ***

VOA															
	SAMPLE ID ------->	040-M-Z245-01		040-M-Z246-01		040-M-Z247-01		040-M-Z248-01		040-M-Z249-01		040-M-Z250-01	
	ORIGINAL ID ----->	040MZ24501		040MZ24601		040MZ24701		040MZ24801		040MZ24901		040MZ25001	
	LAB SAMPLE ID --->	951050-12		951050-13		951050-14		951050-15		951050-16		960040-01	
	ID FROM REPORT -->	040MZ24501		040MZ24601		040MZ24701		040MZ24801		040MZ24901		040MZ25001	
	SAMPLE DATE ----->	12/14/95		12/14/95		12/14/95		12/14/95		12/14/95		01/17/96	
	DATE ANALYZED --->	12/22/95		12/22/95		12/22/95		12/22/95		12/22/95		01/22/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMD060	VAL	EMD060	VAL	EMD060	VAL	EMD060	VAL	EMD060	VAL	Z25001	VAL
74-87-3	Chloromethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
74-83-9	Bromomethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
75-01-4	Vinyl chloride	14.	U	4.	U	17.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
75-09-2	Methylene chloride	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
67-64-1	Acetone	45.	U	13.	U	56.	U	12.	U	12.	U	26.	
75-15-0	Carbon disulfide	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
75-35-4	1,1-Dichloroethene	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
75-34-3	1,1-Dichloroethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
540-59-0	1,2-Dichloroethene (total)	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
67-66-3	Chloroform	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
107-06-2	1,2-Dichloroethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
78-93-3	2-Butanone (MEK)	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
71-55-6	1,1,1-Trichloroethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
56-23-5	Carbon tetrachloride	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
75-27-4	Bromodichloromethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
78-87-5	1,2-Dichloropropane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
10061-01-5	cis-1,3-Dichloropropene	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
79-01-6	Trichloroethene	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
124-48-1	Dibromochloromethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
79-00-5	1,1,2-Trichloroethane	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
71-43-2	Benzene	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
10061-02-6	trans-1,3-Dichloropropene	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
75-25-2	Bromoform	45.	U	13.	U	56.	U	12.	U	12.	U	14.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
591-78-6	2-Hexanone	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
127-18-4	Tetrachloroethene	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
108-88-3	Toluene	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
108-90-7	Chlorobenzene	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
100-41-4	Ethylbenzene	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
100-42-5	Styrene	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U
1330-20-7	Xylene (Total)	45.	U	13.	U	56.	UJ	12.	U	12.	U	14.	U

*** Validation Complete ***

VOA															
	SAMPLE ID ------->	040-M-Z251-01		040-M-Z252-01		040-M-Z253-01		040-M-Z254-01		040-M-Z255-01		040-M-Z256-01	
	ORIGINAL ID ----->	040MZ25101		040MZ25201		040MZ25301		040MZ25401		040MZ25501		040MZ25601	
	LAB SAMPLE ID --->	960093-06		960040-02		960040-03		960040-04		960040-05		960040-06	
	ID FROM REPORT -->	040MZ25101		040MZ25201		040MZ25301		040MZ25401		040MZ25501		040MZ25601	
	SAMPLE DATE ----->	02/05/96		01/17/96		01/17/96		01/17/96		01/17/96		01/17/96	
	DATE ANALYZED --->	02/07/96		01/21/96		01/21/96		01/21/96		01/21/96		01/20/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	MZ1010	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL	Z25001	VAL
74-87-3	Chloromethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
74-83-9	Bromomethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
75-01-4	Vinyl chloride	5.	U	3.	U	4.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	15.	UJ	11.	U	14.	U	13.	U	14.	U	13.	U
75-09-2	Methylene chloride	15.	U	11.	U	14.	U	13.	U	14.	U	4.	J
67-64-1	Acetone	15.	U	24.		38.		18.		35.		20.	J
75-15-0	Carbon disulfide	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
75-35-4	1,1-Dichloroethene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
75-34-3	1,1-Dichloroethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
540-59-0	1,2-Dichloroethene (total)	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
67-66-3	Chloroform	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
107-06-2	1,2-Dichloroethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
78-93-3	2-Butanone (MEK)	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
71-55-6	1,1,1-Trichloroethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
56-23-5	Carbon tetrachloride	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
75-27-4	Bromodichloromethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
78-87-5	1,2-Dichloropropane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
10061-01-5	cis-1,3-Dichloropropene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
79-01-6	Trichloroethene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
124-48-1	Dibromochloromethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
79-00-5	1,1,2-Trichloroethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
71-43-2	Benzene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
10061-02-6	trans-1,3-Dichloropropene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
75-25-2	Bromoform	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
591-78-6	2-Hexanone	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
127-18-4	Tetrachloroethene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
108-88-3	Toluene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
108-90-7	Chlorobenzene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
100-41-4	Ethylbenzene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
100-42-5	Styrene	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U
1330-20-7	Xylene (Total)	15.	U	11.	U	14.	U	13.	U	14.	U	13.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z257-01		040-M-Z301-01		040-M-Z302-01		040-M-Z303-01		040-M-Z304-01		040-M-Z305-01	
	ORIGINAL ID ----->	040MZ25701		040MZ30101		040MZ30201		040MZ30301		040MZ30401		040MZ30501	
	LAB SAMPLE ID --->	960040-07		950991-01		950991-02		950991-03		950998-03		960093-08	
	ID FROM REPORT -->	040MZ25701		040MZ30101		040MZ30201		040MZ30301		040MZ30401		040MZ30501	
	SAMPLE DATE ----->	01/17/96		11/29/95		11/29/95		11/29/95		11/30/95		02/06/96	
	DATE ANALYZED --->	01/20/96		12/01/95		12/02/95		12/01/95		12/02/95		02/07/96	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z25001	VAL	Z30301	VAL	Z30301	VAL	Z30301	VAL	EM0040	VAL	MZ1010	VAL
74-87-3	Chloromethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
74-83-9	Bromomethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
75-01-4	Vinyl chloride	4.	U	4.	U	3.	U	4.	U	5.	U	4.	U
75-00-3	Chloroethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
75-09-2	Methylene chloride	3.	J	13.	U	11.	U	12.	U	15.	U	12.	U
67-64-1	Acetone	19.	J	89.		32.		14.		31.	U	28.	U
75-15-0	Carbon disulfide	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
75-35-4	1,1-Dichloroethene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
75-34-3	1,1-Dichloroethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
540-59-0	1,2-Dichloroethene (total)	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
67-66-3	Chloroform	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
107-06-2	1,2-Dichloroethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
78-93-3	2-Butanone (MEK)	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
71-55-6	1,1,1-Trichloroethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
56-23-5	Carbon tetrachloride	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
75-27-4	Bromodichloromethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
78-87-5	1,2-Dichloropropane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
79-01-6	Trichloroethene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
124-48-1	Dibromochloromethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
79-00-5	1,1,2-Trichloroethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
71-43-2	Benzene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
10061-02-6	trans-1,3-Dichloropropene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
75-25-2	Bromoform	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
591-78-6	2-Hexanone	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
127-18-4	Tetrachloroethene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
108-88-3	Toluene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
108-90-7	Chlorobenzene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
100-41-4	Ethylbenzene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
100-42-5	Styrene	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U
1330-20-7	Xylene (Total)	13.	U	12.	U	11.	U	12.	U	15.	U	12.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z306-01		040-M-Z307-01		040-M-Z308-01		040-M-Z309-01		040-M-Z310-01		040-M-Z311-01	
	ORIGINAL ID ----->	040MZ30601		040MZ30701		040MZ30801		040MZ30901		040MZ31001		040MZ31101	
	LAB SAMPLE ID --->	950998-04		950991-04		950998-05		950991-05		951005-01		950991-06	
	ID FROM REPORT -->	040MZ30601		040MZ30701		040MZ30801		040MZ30901		040MZ31001		040MZ31101	
	SAMPLE DATE ----->	12/01/95		11/29/95		12/01/95		11/29/95		12/01/95		11/29/95	
	DATE ANALYZED --->	12/01/95		12/01/95		12/02/95		12/01/95		12/03/95		12/01/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EM0040	VAL	Z30301	VAL	EM0040	VAL	Z30301	VAL	Z31001	VAL	Z30301	VAL
74-87-3	Chloromethane	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
74-83-9	Bromomethane	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
75-01-4	Vinyl chloride	4.	U	6.	U	4.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
75-09-2	Methylene chloride	12.	U	32.	U	13.	U	13.	U	12.	U	13.	U
67-64-1	Acetone	12.	U	150.	J	13.	U	49.		12.	U	14.	
75-15-0	Carbon disulfide	12.	U	6.	J	13.	U	13.	U	12.	U	13.	U
75-35-4	1,1-Dichloroethene	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
75-34-3	1,1-Dichloroethane	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
540-59-0	1,2-Dichloroethene (total)	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
67-66-3	Chloroform	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
107-06-2	1,2-Dichloroethane	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
78-93-3	2-Butanone (MEK)	12.	U	20.	U	13.	U	13.	U	12.	U	13.	U
71-55-6	1,1,1-Trichloroethane	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
56-23-5	Carbon tetrachloride	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
75-27-4	Bromodichloromethane	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
78-87-5	1,2-Dichloropropane	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
79-01-6	Trichloroethene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
124-48-1	Dibromochloromethane	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
79-00-5	1,1,2-Trichloroethane	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
71-43-2	Benzene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
75-25-2	Bromoform	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
591-78-6	2-Hexanone	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
127-18-4	Tetrachloroethene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
108-88-3	Toluene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
108-90-7	Chlorobenzene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
100-41-4	Ethylbenzene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
100-42-5	Styrene	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U
1330-20-7	Xylene (Total)	12.	U	20.	UJ	13.	U	13.	U	12.	U	13.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z312-01		040-M-Z313-01		040-M-Z314-01		040-M-Z315-01		040-M-Z317-01		040-M-Z318-01	
	ORIGINAL ID ----->	040MZ31201		040MZ31301		040MZ31401		040MZ31501		040MZ31701		040MZ31801	
	LAB SAMPLE ID --->	951005-02		950979-08		950998-06		950979-09		950998-07		951005-03	
	ID FROM REPORT -->	040MZ31201		040MZ31301		040MZ31401		040MZ31501		040MZ31701		040MZ31801	
	SAMPLE DATE ----->	12/01/95		11/27/95		12/01/95		11/27/95		12/01/95		12/01/95	
	DATE ANALYZED --->	12/03/95		11/29/95		12/02/95		11/30/95		12/02/95		12/03/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z31001	VAL	041M10	VAL	EM0040	VAL	041M10	VAL	EM0040	VAL	Z31001	VAL
74-87-3	Chloromethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
74-83-9	Bromomethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-01-4	Vinyl chloride	4.	U	13.	U	4.	U	12.	U	4.	U	4.	U
75-00-3	Chloroethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-09-2	Methylene chloride	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
67-64-1	Acetone	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-15-0	Carbon disulfide	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-35-4	1,1-Dichloroethene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-34-3	1,1-Dichloroethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
540-59-0	1,2-Dichloroethene (total)	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
67-66-3	Chloroform	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
107-06-2	1,2-Dichloroethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
78-93-3	2-Butanone (MEK)	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
71-55-6	1,1,1-Trichloroethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
56-23-5	Carbon tetrachloride	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-27-4	Bromodichloromethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
78-87-5	1,2-Dichloropropane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
79-01-6	Trichloroethene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
124-48-1	Dibromochloromethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
79-00-5	1,1,2-Trichloroethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
71-43-2	Benzene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
75-25-2	Bromoform	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
591-78-6	2-Hexanone	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
127-18-4	Tetrachloroethene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
108-88-3	Toluene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
108-90-7	Chlorobenzene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
100-41-4	Ethylbenzene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
100-42-5	Styrene	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U
1330-20-7	Xylene (Total)	12.	U	13.	U	14.	U	12.	U	12.	U	13.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z319-01		040-M-Z320-01		040-M-Z321-01		040-M-Z322-01		040-M-Z323-01		040-M-Z324-01	
	ORIGINAL ID ----->	040MZ31901		040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401	
	LAB SAMPLE ID --->	950979-10		950979-11		950979-12		950979-13		950979-14		950979-15	
	ID FROM REPORT -->	040MZ31901		040MZ32001		040MZ32101		040MZ32201		040MZ32301		040MZ32401	
	SAMPLE DATE ----->	11/27/95		11/27/95		11/27/95		11/27/95		11/27/95		11/27/95	
	DATE ANALYZED --->	12/01/95		11/30/95		11/30/95		11/30/95		12/01/95		11/30/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL	041M10	VAL
74-87-3	Chloromethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
74-83-9	Bromomethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
75-01-4	Vinyl chloride	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
75-00-3	Chloroethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
75-09-2	Methylene chloride	110.	U	15.	U	15.	U	13.	U	45.	U	24.	U
67-64-1	Acetone	430.	U	16.		14.	U	13.	U	250.	U	13.	U
75-15-0	Carbon disulfide	71.	U	15.	U	14.	U	13.	U	23.	J	13.	U
75-35-4	1,1-Dichloroethene	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
75-34-3	1,1-Dichloroethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
540-59-0	1,2-Dichloroethene (total)	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
67-66-3	Chloroform	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
107-06-2	1,2-Dichloroethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
78-93-3	2-Butanone (MEK)	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
71-55-6	1,1,1-Trichloroethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
56-23-5	Carbon tetrachloride	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
75-27-4	Bromodichloromethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
78-87-5	1,2-Dichloropropane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
10061-01-5	cis-1,3-Dichloropropene	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
79-01-6	Trichloroethene	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
124-48-1	Dibromochloromethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
79-00-5	1,1,2-Trichloroethane	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
71-43-2	Benzene	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
10061-02-6	trans-1,3-Dichloropropene	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
75-25-2	Bromoform	71.	U	15.	U	14.	U	13.	U	45.	U	13.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
591-78-6	2-Hexanone	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
127-18-4	Tetrachloroethene	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
108-88-3	Toluene	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
108-90-7	Chlorobenzene	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
100-41-4	Ethylbenzene	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
100-42-5	Styrene	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U
1330-20-7	Xylene (Total)	71.	UJ	15.	U	14.	U	13.	U	45.	U	13.	U

*** Validation Complete ***

VOA															
		SAMPLE ID ------->	040-M-Z401-01		040-M-Z402-01		040-M-Z403-01		040-M-Z404-01		040-M-Z406-01		040-M-Z407-01		
		ORIGINAL ID ----->	040MZ40101		040MZ40201		040MZ40301		040MZ40401		040MZ40601		040MZ40701		
		LAB SAMPLE ID --->	950922-20		950922-21		951005-04		950922-22		951005-05		950922-23		
		ID FROM REPORT -->	040MZ40101		040MZ40201		040MZ40301		040MZ40401		040MZ40601		040MZ40701		
		SAMPLE DATE ----->	11/10/95		11/10/95		12/01/95		11/10/95		12/01/95		11/10/95		
		DATE ANALYZED --->	11/12/95		11/13/95		12/03/95		11/13/95		12/04/95		11/13/95		
		MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		
CAS #	Parameter		Z61101	VAL	Z61101	VAL	Z31001	VAL	Z61101	VAL	Z31001	VAL	Z61101	VAL	
74-87-3	Chloromethane		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
74-83-9	Bromomethane		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
75-01-4	Vinyl chloride		11.	U	4.	U	4.	U	13.	U	4.	U	4.	U	
75-00-3	Chloroethane		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
75-09-2	Methylene chloride		36.	U	12.	U	12.	U	43.	U	13.	U	14.	U	
67-64-1	Acetone		36.	U	12.	U	12.	U	380.	J	13.	U	13.	U	
75-15-0	Carbon disulfide		9.	J	12.	U	12.	U	46.	J	13.	U	13.	U	
75-35-4	1,1-Dichloroethene		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
75-34-3	1,1-Dichloroethane		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
540-59-0	1,2-Dichloroethene (total)		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
67-66-3	Chloroform		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
107-06-2	1,2-Dichloroethane		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
78-93-3	2-Butanone (MEK)		36.	U	12.	U	12.	U	43.	U	13.	U	13.	U	
71-55-6	1,1,1-Trichloroethane		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
56-23-5	Carbon tetrachloride		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
75-27-4	Bromodichloromethane		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
78-87-5	1,2-Dichloropropane		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
10061-01-5	cis-1,3-Dichloropropene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
79-01-6	Trichloroethene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
124-48-1	Dibromochloromethane		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
79-00-5	1,1,2-Trichloroethane		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
71-43-2	Benzene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
10061-02-6	trans-1,3-Dichloropropene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
75-25-2	Bromoform		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
108-10-1	4-Methyl-2-Pentanone (MIBK)		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
591-78-6	2-Hexanone		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
127-18-4	Tetrachloroethene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
79-34-5	1,1,2,2-Tetrachloroethane		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
108-88-3	Toluene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
108-90-7	Chlorobenzene		36.	UJ	12.	U	12.	U	43.	U	13.	U	3.	J	
100-41-4	Ethylbenzene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
100-42-5	Styrene		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	
1330-20-7	Xylene (Total)		36.	UJ	12.	U	12.	U	43.	U	13.	U	13.	U	

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z408-01		040-M-Z409-01		040-M-Z410-01		040-M-Z411-01		040-M-Z412-01		040-M-Z413-01	
	ORIGINAL ID ----->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
	LAB SAMPLE ID --->	950922-24		950991-07		951005-18		951005-19		951005-20		951005-21	
	ID FROM REPORT -->	040MZ40801		040MZ40901		040MZ41001		040MZ41101		040MZ41201		040MZ41301	
	SAMPLE DATE ----->	11/10/95		11/29/95		12/05/95		12/05/95		12/05/95		12/05/95	
	DATE ANALYZED --->	11/13/95		12/02/95		12/06/95		12/06/95		12/06/95		12/06/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z61101	VAL	Z30301	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL	Z31001	VAL
74-87-3	Chloromethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
74-83-9	Bromomethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
75-01-4	Vinyl chloride	7.	U	4.	U	4.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
75-09-2	Methylene chloride	22.	U	12.	U	15.	U	14.	U	14.	U	14.	U
67-64-1	Acetone	46.	J	31.		44.	U	130.	U	97.	U	24.	U
75-15-0	Carbon disulfide	5.	J	12.	U	14.	U	14.	U	14.	U	14.	U
75-35-4	1,1-Dichloroethene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
75-34-3	1,1-Dichloroethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
540-59-0	1,2-Dichloroethene (total)	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
67-66-3	Chloroform	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
107-06-2	1,2-Dichloroethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
78-93-3	2-Butanone (MEK)	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
71-55-6	1,1,1-Trichloroethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
56-23-5	Carbon tetrachloride	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
75-27-4	Bromodichloromethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
78-87-5	1,2-Dichloropropane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
10061-01-5	cis-1,3-Dichloropropene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
79-01-6	Trichloroethene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
124-48-1	Dibromochloromethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
79-00-5	1,1,2-Trichloroethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
71-43-2	Benzene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
10061-02-6	trans-1,3-Dichloropropene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
75-25-2	Bromoform	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
591-78-6	2-Hexanone	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
127-18-4	Tetrachloroethene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
79-34-5	1,1,2,2-Tetrachloroethane	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
108-88-3	Toluene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
108-90-7	Chlorobenzene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
100-41-4	Ethylbenzene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
100-42-5	Styrene	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U
1330-20-7	Xylene (Total)	22.	U	12.	U	14.	U	14.	U	14.	U	14.	U

*** Validation Complete ***

VOA													
	SAMPLE ID ------->	040-M-Z414-01		040-M-Z416-01		040-M-Z417-01		040-M-Z418-01		040-M-Z419-01		040-M-Z420-01	
	ORIGINAL ID ----->	040MZ41401		040MZ41601		040MZ41701		040MZ41801		040MZ41901		040MZ42001	
	LAB SAMPLE ID --->	951005-10		951005-06		951005-07		950998-08		950930-01		950930-02	
	ID FROM REPORT -->	040MZ41401		040MZ41601		040MZ41701		040MZ41801		040MZ41901		040MZ42001	
	SAMPLE DATE ----->	12/04/95		12/01/95		12/01/95		12/01/95		11/10/95		11/10/95	
	DATE ANALYZED --->	12/05/95		12/04/95		12/04/95		12/02/95		11/14/95		11/14/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z31001	VAL	Z31001	VAL	Z31001	VAL	EM0040	VAL	Z41901	VAL	Z41901	VAL
74-87-3	Chloromethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
74-83-9	Bromomethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	UJ
75-09-2	Methylene chloride	20.	U	12.	U	12.	U	13.	U	14.	U	12.	U
67-64-1	Acetone	49.	U	12.	U	12.	U	14.	U	70.	U	14.	U
75-15-0	Carbon disulfide	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
75-35-4	1,1-Dichloroethene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
75-34-3	1,1-Dichloroethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
540-59-0	1,2-Dichloroethene (total)	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
67-66-3	Chloroform	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
107-06-2	1,2-Dichloroethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
78-93-3	2-Butanone (MEK)	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
71-55-6	1,1,1-Trichloroethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
56-23-5	Carbon tetrachloride	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
75-27-4	Bromodichloromethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
78-87-5	1,2-Dichloropropane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
10061-01-5	cis-1,3-Dichloropropene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
79-01-6	Trichloroethene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
124-48-1	Dibromochloromethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
79-00-5	1,1,2-Trichloroethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
71-43-2	Benzene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
10061-02-6	trans-1,3-Dichloropropene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
75-25-2	Bromoform	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
591-78-6	2-Hexanone	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
127-18-4	Tetrachloroethene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
108-88-3	Toluene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
108-90-7	Chlorobenzene	14.	U	12.	U	12.	U	13.	U	12.	U	5.	J
100-41-4	Ethylbenzene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
100-42-5	Styrene	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U
1330-20-7	Xylene (Total)	14.	U	12.	U	12.	U	13.	U	12.	U	12.	U

*** Validation Complete ***

VOA											
	SAMPLE ID ------->	040-M-Z421-01		040-M-Z422-01		040-M-Z423-01		040-M-Z424-01		040-M-Z424-01	
	ORIGINAL ID ----->	040MZ42101		040MZ42201		040MZ42301		040MZ42401		040MZ42401	
	LAB SAMPLE ID --->	950952-01		950952-02		950952-03		950952-04		950998-09	
	ID FROM REPORT -->	040MZ42101		040MZ42201		040MZ42301		040MZ42401		040MZ42401	
	SAMPLE DATE ----->	11/17/95		11/17/95		11/17/95		11/17/95		12/01/95	
	DATE ANALYZED --->	11/25/95		11/25/95		11/25/95		11/25/95		12/02/95	
	MATRIX ---------->	Sediment		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	Z42101	VAL	Z42101	VAL	Z42101	VAL	Z42101	VAL	EM0040	VAL
74-87-3	Chloromethane	12.	U	12.	U	12.	U	12.	U	12.	U
74-83-9	Bromomethane	12.	U	12.	U	12.	U	12.	U	12.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U
75-00-3	Chloroethane	12.	U	12.	U	12.	U	12.	U	12.	U
75-09-2	Methylene chloride	22.		22.	U	21.	U	20.	U	12.	U
67-64-1	Acetone	13.		16.		16.		10.	J	12.	U
75-15-0	Carbon disulfide	12.	U	12.	U	12.	U	12.	U	12.	U
75-35-4	1,1-Dichloroethene	12.	U	12.	U	12.	U	12.	U	12.	U
75-34-3	1,1-Dichloroethane	12.	U	12.	U	12.	U	12.	U	12.	U
540-59-0	1,2-Dichloroethene (total)	12.	U	12.	U	12.	U	12.	U	12.	U
67-66-3	Chloroform	12.	U	12.	U	12.	U	12.	U	12.	U
107-06-2	1,2-Dichloroethane	12.	U	12.	U	12.	U	12.	U	12.	U
78-93-3	2-Butanone (MEK)	12.	U	12.	U	12.	U	12.	U	12.	U
71-55-6	1,1,1-Trichloroethane	12.	U	12.	U	12.	U	12.	U	12.	U
56-23-5	Carbon tetrachloride	12.	U	12.	U	12.	U	12.	U	12.	U
75-27-4	Bromodichloromethane	12.	U	12.	U	12.	U	12.	U	12.	U
78-87-5	1,2-Dichloropropane	12.	U	12.	U	12.	U	12.	U	12.	U
10061-01-5	cis-1,3-Dichloropropene	12.	U	12.	U	12.	U	12.	U	12.	U
79-01-6	Trichloroethene	12.	U	12.	U	12.	U	12.	U	12.	U
124-48-1	Dibromochloromethane	12.	U	12.	U	12.	U	12.	U	12.	U
79-00-5	1,1,2-Trichloroethane	12.	U	12.	U	12.	U	12.	U	12.	U
71-43-2	Benzene	12.	U	12.	U	12.	U	12.	U	12.	U
10061-02-6	trans-1,3-Dichloropropene	12.	U	12.	U	12.	U	12.	U	12.	U
75-25-2	Bromoform	12.	U	12.	U	12.	U	12.	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	12.	U	12.	U	12.	U	12.	U	12.	U
591-78-6	2-Hexanone	12.	U	12.	U	12.	U	12.	U	12.	U
127-18-4	Tetrachloroethene	12.	U	12.	U	2.	J	12.	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	12.	U	12.	U	12.	U	12.	U	12.	U
108-88-3	Toluene	12.	U	12.	U	12.	U	12.	U	12.	U
108-90-7	Chlorobenzene	12.	U	12.	U	12.	U	12.	U	12.	U
100-41-4	Ethylbenzene	12.	U	12.	U	12.	U	12.	U	12.	U
100-42-5	Styrene	12.	U	12.	U	12.	U	12.	U	12.	U
1330-20-7	Xylene (Total)	12.	U	12.	U	12.	U	12.	U	12.	U

*** Validation Complete ***

Appendix C

Phase IIB/III Analytical Data

Phase IIB/III Sample Identification Format

The samples were identified in accordance with the following format:

Format: *1 2 3 4 5 6 7 8 9 0*

Field Samples:

1 2 3 – The first three digits are for the site where the sample was collected. For the Bayou Grande investigation, these three digits are 040.

4 – This digit will represent the matrix of the sample. The following list of abbreviations for common matrices was used during Phase IIB/III sampling:

M – sediment (settled, fluid-borne solid)
W – surface water sample
J – fish tissue sample

5 6 7 8 – These four digits designate the sampling location. For sediment and surface water samples collected during Phase IIB, digits 5 and 6 identify the phase of sampling, 2B. Digits 7 and 8 identify the sample location within Bayou Grande. For fish samples, digits 5 and 6 identify the site (40) and digits 7 and 8 identify the sample location (06).

9 0 – The final two digits represent the sample-specific identification. All Phase IIB sediment samples were collected from 0 to 6 inches depth, therefore these digits are 01 for the depth to the nearest foot. The Phase IIB surface water samples were collected for the first monitoring period and are designated 01. Fish tissue samples (Phase III) are designated 01 and 02 to designate the type of fish. Sample 040J400601 was composed of four killifish and sample 040J400602 was composed of nine pinfish.

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

GRAIN SIZE

	SAMPLE ID ------->	040-M-2B01-01	040-M-2B02-01	040-M-2B03-01	040-M-2B04-01	040-M-2B05-01	040-M-2B06-01
	ORIGINAL ID ----->	040M2B0101	040M2B0201	040M2B0301	040M2B0401	040M2B0501	040M2B0601
	LAB SAMPLE ID --->	S774839*5	S774881*1	S774881*3	S774881*4	S774881*5	S774881*6
	ID FROM REPORT -->	040M2B0101	040M2B0201	040M2B0301	040M2B0401	040M2B0501	040M2B0601
	SAMPLE DATE ----->	08/28/97	08/29/97	08/29/97	08/29/97	08/29/97	08/29/97
	DATE ANALYZED --->	09/26/97	09/26/97	09/26/97	06/26/97	09/26/97	09/26/97
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	%	%	%	%	%	%
CAS #	Parameter	PEN12 NV	PEN12 NV	PEN12 NV	PEN12 NV	PEN12 NV	PEN12 NV
9999900-32-6	Seive Size #4	100.	100.	100.	100.	100.	100.
9999900-32-7	Seive Size #10	100.	100.	98.6	100.	100.	99.9
9999900-32-8	Seive Size #20	99.9	99.8	94.6	99.8	100.	99.5
9999900-32-9	Seive Size #40	93.4	98.2	92.8	93.9	96.1	96.8
9999900-33-0	Seive Size #60	57.6	93.7	90.2	61.5	73.9	80.2
9999900-33-1	Seive Size #100	11.	87.7	87.5	8.2	41.2	57.3
9999900-33-2	Seive Size #200	5.6	84.6	86.	2.6	32.3	53.5

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

GRAIN SIZE

SAMPLE ID -------->	040-M-2B07-01	040-M-2B08-01	040-M-2B09-01	040-M-2B10-01		
ORIGINAL ID ----->	040M2B0701	040M2B0801	040M2B0901	040M2B1001		
LAB SAMPLE ID --->	S774999*3	S775053*1	S774999*1	S774999*4		
ID FROM REPORT -->	040M2B0701	040M2B0801	040M2B0901	040M2B1001		
SAMPLE DATE ----->	09/03/97	09/08/97	09/03/97	09/03/97		
DATE ANALYZED --->	09/26/97	09/26/97	09/26/97	09/26/97		
MATRIX ---------->	Sediment	Sediment	Sediment	Sediment		
UNITS ---------->	%	%	%	%		

CAS #	Parameter	PEN13 NV	PEN13 NV	PEN13 NV	PEN13 NV		
9999900-32-6	Seive Size #4	100.	100.	100.	100.		
9999900-32-7	Seive Size #10	100.	99.5	100.	100.		
9999900-32-8	Seive Size #20	99.7	98.5	99.5	99.8		
9999900-32-9	Seive Size #40	94.	91.7	73.3	88.9		
9999900-33-0	Seive Size #60	70.5	73.1	19.3	48.4		
9999900-33-1	Seive Size #100	20.5	39.7	6.4	12.3		
9999900-33-2	Seive Size #200	4.5	15.2	4.8	6.7		

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

LIPIDS							
	SAMPLE ID ------->	040-J-4006-01	040-J-4006-02				
	ORIGINAL ID ----->	040J400601	040J400602				
	LAB SAMPLE ID --->	S775281*1	S775281*2				
	ID FROM REPORT -->	040J400601	040J400602				
	SAMPLE DATE ----->	09/08/97	09/08/97				
	DATE ANALYZED --->	09/25/97	09/25/97				
	MATRIX ---------->	Soil	Soil				
	UNITS ---------->	%	%				
CAS #	Parameter	PEN15	PEN15				
9999000-88-4	% LIPIDS	0.66 %	0.89 %				

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

METAL

	SAMPLE ID -------->	040-M-2B01-01		040-W-2B01-01		040-M-2B02-01		040-M-2B03-01		040-M-2B04-01		040-M-2B05-01	
	ORIGINAL ID ----->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	LAB SAMPLE ID --->	S774839*5		S775003*4		S774881*1		S774881*3		S774881*4		S774881*5	
	ID FROM REPORT -->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	SAMPLE DATE ----->	08/28/97		09/04/97		08/29/97		08/29/97		08/29/97		08/29/97	
	DATE EXTRACTED -->	09/08/97		09/15/97		09/08/97		09/08/97		09/08/97		09/08/97	
	DATE ANALYZED --->	09/09/97		09/17/97		09/09/97		09/09/97		09/09/97		09/09/97	
	MATRIX ---------->	Sediment		Water		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		UG/L		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	PEN12	VAL	PEN14	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL
7439-92-1	Lead	2.6		1.2	U	59.9		100.		1.2	J	44.3	
7429-90-5	Aluminum	626.		194.		16000.		22100.		208.		8160.	
7440-36-0	Antimony	1.3	UJ	2.6	U	3.7	UJ	5.5	UJ	1.3	UJ	2.4	UJ
7440-38-2	Arsenic	0.36	UJ	2.5	J	13.3		16.2		0.38	UJ	6.8	
7440-39-3	Barium	0.67	J	17.1		11.2		16.3		0.34	J	6.7	
7440-41-7	Beryllium	0.05	J	0.19	U	0.95		1.3		0.04	U	0.45	
7440-43-9	Cadmium	0.05	UJ	0.58	UJ	1.		1.7		0.05	UJ	1.1	
7440-70-2	Calcium	226.		191000.		2550.		3100.		1470.		1200.	
7440-47-3	Chromium	3.4		1.4	J	116.		180.		1.2		67.9	
7440-48-4	Cobalt	0.17	UJ	0.53	U	2.9		4.1		0.18	UJ	1.8	
7440-50-8	Copper	1.6		2.1	J	22.		32.3		0.54	J	15.7	
7439-89-6	Iron	1110.		230.		26600.		34300.		299.		14300.	
7439-95-4	Magnesium	451.		615000.		6610.		9370.		272.		3320.	
7439-96-5	Manganese	3.6		7.9	J	122.		251.		1.2	J	81.5	
7440-02-0	Nickel	0.4	J	1.2	UJ	9.8		13.7		0.36	U	5.	
7440-09-7	Potassium	189.		255000.	J	2920.		4030.		112.		1480.	
7782-49-2	Selenium	0.3	J	3.6	J	2.1	J	1.6	J	0.3	J	0.67	J
7440-22-4	Silver	0.08	UJ	0.03	UJ	0.23	UJ	0.34	UJ	0.08	UJ	0.34	J
7440-23-5	Sodium	2060.		5420000.		19000.		30000.		1780.		9760.	
7440-28-0	Thallium	0.5	U	1.2	UJ	1.5	U	2.2	U	0.53	U	0.96	U
7440-62-2	Vanadium	1.4		2.1	U	32.4		48.8		0.68	J	16.9	
7440-66-6	Zinc	6.2		17.9	J	114.		157.		1.5	J	69.1	
57-12-5	Cyanide (CN)	0.76	UJ	1.4	U	2.2	UJ	3.3	UJ	0.8	UJ	1.5	UJ
7439-97-6	Mercury	0.01	U	0.05	UJ	0.13		0.21		0.004	U	0.1	

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

METAL

	SAMPLE ID ------->	040-M-2B06-01		040-M-2B07-01		040-W-2B07-01		040-M-2B08-01		040-M-2B09-01		040-W-2B09-01	
	ORIGINAL ID ----->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	LAB SAMPLE ID --->	S774881*6		S774999*3		S774962A*2		S775053*1		S774999*1		S774962A*1	
	ID FROM REPORT -->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	SAMPLE DATE ----->	08/29/97		09/03/97		09/03/97		09/08/97		09/03/97		09/03/97	
	DATE EXTRACTED -->	09/08/97		09/10/97		09/09/97		09/10/97		09/10/97		09/09/97	
	DATE ANALYZED --->	09/09/97		09/15/97		09/10/97		09/15/97		09/15/97		09/10/97	
	MATRIX ---------->	Sediment		Sediment		Water		Sediment		Sediment		Water	
	UNITS ---------->	MG/KG		MG/KG		UG/L		MG/KG		MG/KG		UG/L	
CAS #	Parameter	PEN12	VAL	PEN13	VAL	PEN11	VAL	PEN13	VAL	PEN13	VAL	PEN11	VAL
7439-92-1	Lead	96.3		17.		4.3	U	37.8		1.7		1.2	U
7429-90-5	Aluminum	10300.		704.	J	133.		3390.	J	276.	J	73.8	J
7440-36-0	Antimony	3.9	UJ	1.2	U	2.6	U	1.8	U	1.2	U	2.6	U
7440-38-2	Arsenic	8.		0.82	J	2.2	UJ	6.9		0.34	U	2.2	UJ
7440-39-3	Barium	9.4		0.86	J	18.		3.9		0.41	J	17.9	
7440-41-7	Beryllium	0.7		0.04	U	0.62	U	0.19		0.04	U	0.57	U
7440-43-9	Cadmium	2.8		0.1	J	0.58	U	1.2		0.05	U	0.58	U
7440-70-2	Calcium	2720.		584.		186000.		4180.		162.		183000.	
7440-47-3	Chromium	80.		5.1		0.88	UJ	40.5		2.5		0.88	UJ
7440-48-4	Cobalt	2.1		0.22	J	0.53	UJ	1.7		0.16	U	0.53	UJ
7440-50-8	Copper	34.5		5.8		7.8		11.5		0.67		2.5	J
7439-89-6	Iron	20900.		1170.		104.	J	8090.		377.		34.7	J
7439-95-4	Magnesium	5260.		394.		603000.		1760.		237.		599000.	
7439-96-5	Manganese	98.7		8.3		4.	U	72.9		2.7		0.3	U
7440-02-0	Nickel	7.9		0.52	J	1.2	U	3.7		0.33	U	1.2	U
7440-09-7	Potassium	1940.		166.		278000.		717.		98.5		278000.	
7782-49-2	Selenium	2.2	J	0.21	U	2.6	U	0.61	J	0.22	J	2.6	U
7440-22-4	Silver	0.24	UJ	0.1	J	0.03	UJ	0.11	UJ	0.07	UJ	0.03	UJ
7440-23-5	Sodium	17600.		1530.		5400000.		6250.		1340.		5180000.	
7440-28-0	Thallium	1.6	U	0.49	UJ	1.2	UJ	0.73	UJ	0.48	UJ	1.2	UJ
7440-62-2	Vanadium	28.9		1.8		2.1	J	9.5		0.47	J	2.1	J
7440-66-6	Zinc	159.		11.4		3.7	U	76.8		2.9		3.7	U
57-12-5	Cyanide (CN)	2.4	UJ	NR		1.4	UJ	NR		0.72	U	1.4	UJ
7439-97-6	Mercury	0.22		0.01	U	0.05	U	0.11		0.002	U	0.05	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

METAL

	SAMPLE ID -------->	040-M-2B10-01		040-J-4006-01		040-J-4006-02		040-S-R109-10		040-S-R209-20		040-S-R309-30	
	ORIGINAL ID ----->	040M2B1001		040J400601		040J400602		040SR10910		040SR20920		040SR30930	
	LAB SAMPLE ID --->	S774999*4		S775281*1		S775281*2		S774999*5		S774999*6		S774999*7	
	ID FROM REPORT -->	040M2B1001		040J400601		040J400602		040SR10910		040SR20920		040SR30930	
	SAMPLE DATE ----->	09/03/97		09/08/97		09/08/97		09/03/97		09/03/97		09/03/97	
	DATE EXTRACTED -->	09/10/97		09/24/97		09/24/97		09/10/97		09/10/97		09/10/97	
	DATE ANALYZED --->	09/15/97		09/26/97		09/26/97		09/15/97		09/15/97		09/15/97	
	MATRIX ---------->	Sediment		Soil		Soil		Sediment		Sediment		Sediment	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	PEN13	VAL	PEN15	VAL	PEN15	VAL	PEN13	VAL	PEN13	VAL	PEN13	VAL
7439-92-1	Lead	10.		1.5		2.2		16.4		16.2		5.9	
7429-90-5	Aluminum	1070.	J	4.5	U	5.8	J	231.	J	451.	J	440.	J
7440-36-0	Antimony	1.5	U	0.98	U	0.98	U	1.3	U	1.4	U	1.3	U
7440-38-2	Arsenic	0.94	J	0.54	J	0.38	J	0.39	J	0.4	U	0.36	U
7440-39-3	Barium	1.3	J	NR		NR		0.39	J	0.76	J	0.8	J
7440-41-7	Beryllium	0.06	J	NR		NR		0.04	U	0.04	U	0.04	U
7440-43-9	Cadmium	0.58		NR		NR		0.05	U	0.06	U	0.05	U
7440-70-2	Calcium	519.		NR		NR		129.		625.		248.	
7440-47-3	Chromium	16.7		0.36		0.43		1.7		2.4		2.	
7440-48-4	Cobalt	0.19	U	0.13	UJ	0.13	UJ	0.18	J	0.19	U	0.17	U
7440-50-8	Copper	5.9		1.4	J	1.1	J	1.3		1.3		0.87	
7439-89-6	Iron	2070.		11.7	J	21.3	J	282.		569.		421.	
7439-95-4	Magnesium	639.		NR		NR		234.		353.		311.	
7439-96-5	Manganese	17.		2.2	J	7.5	J	1.2	J	7.3		2.	
7440-02-0	Nickel	0.78		0.27	U	0.27	U	0.4	J	0.39	U	0.35	U
7440-09-7	Potassium	267.		NR		NR		96.9		143.		127.	
7782-49-2	Selenium	0.25	U	1.	U	1.4		0.23	U	0.33	J	0.24	J
7440-22-4	Silver	0.09	UJ	0.06	UJ	0.06	UJ	0.17	J	0.09	UJ	0.08	UJ
7440-23-5	Sodium	2510.		NR		NR		1340.		1900.		1700.	
7440-28-0	Thallium	0.58	UJ	0.39	UJ	0.39	UJ	0.54	UJ	0.56	UJ	0.5	UJ
7440-62-2	Vanadium	2.7		0.19	U	0.19	U	0.55	J	0.84	J	0.84	J
7440-66-6	Zinc	22.7		33.3		27.2		2.3	U	3.4		2.8	
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	
7439-97-6	Mercury	0.03	J	NR		NR		0.01	U	0.01	U	0.01	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

PEST

	SAMPLE ID ------->	040-M-2B01-01		040-W-2B01-01		040-M-2B02-01		040-M-2B03-01		040-M-2B04-01		040-M-2B05-01	
	ORIGINAL ID ----->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	LAB SAMPLE ID --->	S774839*5		S775003*4		S774881*1		S774881*3		S774881*4		S774881*5	
	ID FROM REPORT -->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	SAMPLE DATE ----->	08/28/97		09/04/97		08/29/97		08/29/97		08/29/97		08/29/97	
	DATE EXTRACTED -->	09/05/97		09/10/97		09/05/97		09/05/97		09/05/97		09/05/97	
	DATE ANALYZED --->	09/11/97		09/12/97		09/10/97		09/11/97		09/11/97		09/10/97	
	MATRIX ---------->	Sediment		Water		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/L		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	PEN12	VAL	PEN14	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL
319-84-6	alpha-BHC	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
319-85-7	beta-BHC	2.2	U	0.021	U	6.3	U	9.4	U	2.3	U	4.1	U
319-86-8	delta-BHC	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
58-89-9	gamma-BHC (Lindane)	2.2	U	0.0024	U	0.41	J	9.4	U	2.3	U	4.1	U
76-44-8	Heptachlor	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
309-00-2	Aldrin	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
1024-57-3	Heptachlor epoxide	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
959-98-8	Endosulfan I	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
60-57-1	Dieldrin	4.2	U	0.1	U	12.	U	18.	U	4.4	U	8.	U
72-55-9	4,4'-DDE	4.2	U	0.1	U	12.	U	18.	U	4.4	U	0.63	J
72-20-8	Endrin	4.2	U	0.1	U	0.63	J	1.3	J	4.4	U	0.74	J
33213-65-9	Endosulfan II	4.2	U	0.1	U	12.	U	18.	U	4.4	U	8.	U
72-54-8	4,4'-DDD	4.2	U	0.1	U	12.	U	18.	U	4.4	U	8.	U
1031-07-8	Endosulfan sulfate	4.2	U	0.1	U	12.	U	18.	U	4.4	U	1.1	J
50-29-3	4,4'-DDT	4.2	U	0.1	U	0.92	J	18.	U	4.4	U	18.	
72-43-5	Methoxychlor	22.	U	0.5	U	63.	U	94.	U	23.	U	41.	U
53494-70-5	Endrin ketone	4.2	U	0.1	U	0.56	J	18.	U	4.4	U	0.56	U
7421-93-4	Endrin aldehyde	4.2	U	0.1	U	0.66	U	18.	U	4.4	U	0.48	U
5103-71-9	alpha-Chlordane	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
5103-74-2	gamma-Chlordane	2.2	U	0.05	U	6.3	U	9.4	U	2.3	U	4.1	U
8001-35-2	Toxaphene	220.	U	5.	U	630.	U	940.	U	230.	U	410.	U
12674-11-2	Aroclor-1016	42.	U	1.	U	120.	U	180.	U	44.	U	80.	U
11104-28-2	Aroclor-1221	86.	U	2.	U	250.	U	370.	U	90.	U	160.	U
11141-16-5	Aroclor-1232	42.	U	1.	U	120.	U	180.	U	44.	U	80.	U
53469-21-9	Aroclor-1242	42.	U	1.	U	120.	U	180.	U	44.	U	80.	U
12672-29-6	Aroclor-1248	42.	U	1.	U	120.	U	180.	U	44.	U	80.	U
11097-69-1	Aroclor-1254	42.	U	1.	U	120.	U	180.	U	44.	U	80.	U
11096-82-5	Aroclor-1260	42.	U	1.	U	120.	U	180.	U	44.	U	80.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

PEST

	SAMPLE ID ------->	040-M-2B06-01		040-M-2B07-01		040-W-2B07-01		040-M-2B08-01		040-M-2B09-01		040-W-2B09-01	
	ORIGINAL ID ----->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	LAB SAMPLE ID --->	S774881*6		S774999*3		S774962A*2		S775053*1		S774999*1		S774962A*1	
	ID FROM REPORT -->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	SAMPLE DATE ----->	08/29/97		09/03/97		09/03/97		09/08/97		09/03/97		09/03/97	
	DATE EXTRACTED -->	09/05/97		09/10/97		09/08/97		09/10/97		09/10/97		09/08/97	
	DATE ANALYZED --->	09/10/97		09/12/97		09/11/97		09/13/97		09/17/97		09/11/97	
	MATRIX ---------->	Sediment		Sediment		Water		Sediment		Sediment		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/L		UG/KG		UG/KG		UG/L	
CAS #	Parameter	PEN12	VAL	PEN13	VAL	PEN11	VAL	PEN13	VAL	PEN13	VAL	PEN11	VAL
319-84-6	alpha-BHC	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
319-85-7	beta-BHC	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
319-86-8	delta-BHC	6.8	U	2.2	U	0.0031	J	3.1	U	2.1	U	0.0052	U
58-89-9	gamma-BHC (Lindane)	1.7	U	2.2	U	0.01	U	3.1	U	2.1	U	0.05	U
76-44-8	Heptachlor	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
309-00-2	Aldrin	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
1024-57-3	Heptachlor epoxide	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
959-98-8	Endosulfan I	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
60-57-1	Dieldrin	0.74	U	4.2	U	0.1	U	1.3	J	4.	U	0.1	U
72-55-9	4,4'-DDE	4.9	J	0.46	U	0.1	U	2.2	J	4.	U	0.1	U
72-20-8	Endrin	13.	U	4.2	U	0.1	U	6.1	U	4.	U	0.0071	J
33213-65-9	Endosulfan II	13.	U	4.2	U	0.1	U	6.1	U	4.	U	0.1	U
72-54-8	4,4'-DDD	4.9	J	4.2	U	0.1	U	1.4	J	4.	U	0.1	U
1031-07-8	Endosulfan sulfate	5.2	J	4.2	U	0.1	U	6.1	U	4.	U	0.1	U
50-29-3	4,4'-DDT	7.7	J	4.2	U	0.1	U	6.1	U	4.	U	0.1	U
72-43-5	Methoxychlor	68.	U	22.	U	0.5	U	31.	U	21.	U	0.5	U
53494-70-5	Endrin ketone	13.	U	4.2	U	0.1	U	6.1	U	4.	U	0.1	U
7421-93-4	Endrin aldehyde	13.	U	4.2	U	0.1	U	6.1	U	4.	U	0.1	U
5103-71-9	alpha-Chlordane	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
5103-74-2	gamma-Chlordane	6.8	U	2.2	U	0.05	U	3.1	U	2.1	U	0.05	U
8001-35-2	Toxaphene	680.	U	220.	U	5.	U	310.	U	210.	U	5.	U
12674-11-2	Aroclor-1016	130.	U	42.	U	1.	U	61.	U	40.	U	1.	U
11104-28-2	Aroclor-1221	270.	U	85.	U	2.	U	120.	U	82.	U	2.	U
11141-16-5	Aroclor-1232	130.	U	42.	U	1.	U	61.	U	40.	U	1.	U
53469-21-9	Aroclor-1242	130.	U	42.	U	1.	U	61.	U	40.	U	1.	U
12672-29-6	Aroclor-1248	130.	U	42.	U	1.	U	61.	U	40.	U	1.	U
11097-69-1	Aroclor-1254	130.	U	42.	U	1.	U	61.	U	40.	U	1.	U
11096-82-5	Aroclor-1260	65.	J	42.	U	1.	U	19.	J	40.	U	1.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

PEST

SAMPLE ID ------->		040-M-2B10-01		040-J-4006-01		040-J-4006-02					
ORIGINAL ID ----->		040M2B1001		040J400601		040J400602					
LAB SAMPLE ID --->		S774999*4		S775281*1		S775281*2					
ID FROM REPORT -->		040M2B1001		040J400601		040J400602					
SAMPLE DATE ----->		09/03/97		09/08/97		09/08/97					
DATE EXTRACTED -->		09/10/97		09/23/97		09/23/97					
DATE ANALYZED --->		09/12/97		10/02/97		10/02/97					
MATRIX ---------->		Sediment		Soil		Soil					
UNITS ---------->		UG/KG		UG/KG		UG/KG					
CAS #	Parameter	PEN13	VAL	PEN15	VAL	PEN15	VAL				
319-84-6	alpha-BHC	2.5	U	3.4	U	3.4	U				
319-85-7	beta-BHC	2.5	U	3.4	U	3.4	U				
319-86-8	delta-BHC	2.5	U	3.4	U	3.4	U				
58-89-9	gamma-BHC (Lindane)	2.5	U	0.53	J	0.74	J				
76-44-8	Heptachlor	2.5	U	3.4	U	3.4	U				
309-00-2	Aldrin	2.5	U	0.66	J	0.31	U				
1024-57-3	Heptachlor epoxide	2.5	U	3.4	U	0.34	U				
959-98-8	Endosulfan I	2.5	U	3.4	U	3.4	U				
60-57-1	Dieldrin	4.9	U	1.	J	1.3	J				
72-55-9	4,4'-DDE	4.9	U	12.		9.7					
72-20-8	Endrin	4.9	U	6.6	U	6.6	U				
33213-65-9	Endosulfan II	4.9	U	6.6	U	6.6	U				
72-54-8	4,4'-DDD	4.9	U	2.6	J	3.8	J				
1031-07-8	Endosulfan sulfate	4.9	U	6.6	U	6.6	U				
50-29-3	4,4'-DDT	4.9	U	6.6	U	6.6	U				
72-43-5	Methoxychlor	25.	U	34.	U	34.	U				
53494-70-5	Endrin ketone	4.9	U	6.6	U	6.6	U				
7421-93-4	Endrin aldehyde	4.9	U	6.6	U	6.6	U				
5103-71-9	alpha-Chlordane	2.5	U	0.44	U	0.71	U				
5103-74-2	gamma-Chlordane	2.5	U	1.7	J	1.7	J				
8001-35-2	Toxaphene	250.	U	340.	U	340.	U				
12674-11-2	Aroclor-1016	49.	U	66.	U	66.	U				
11104-28-2	Aroclor-1221	100.	U	130.	U	130.	U				
11141-16-5	Aroclor-1232	49.	U	66.	U	66.	U				
53469-21-9	Aroclor-1242	49.	U	66.	U	66.	U				
12672-29-6	Aroclor-1248	49.	U	66.	U	66.	U				
11097-69-1	Aroclor-1254	49.	U	66.	U	66.	U				
11096-82-5	Aroclor-1260	49.	U	90.		100.					

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

SVOA

	SAMPLE ID -------->	040-M-2B01-01		040-W-2B01-01		040-M-2B02-01		040-M-2B03-01		040-M-2B04-01		040-M-2B05-01	
	ORIGINAL ID ----->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	LAB SAMPLE ID --->	S774839*5		S775003*4		S774881*1		S774881*3		S774881*4		S774881*5	
	ID FROM REPORT -->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	SAMPLE DATE ----->	08/28/97		09/04/97		08/29/97		08/29/97		08/29/97		08/29/97	
	DATE EXTRACTED -->	09/05/97		09/10/97		09/05/97		09/05/97		09/05/97		09/05/97	
	DATE ANALYZED --->	09/09/97		09/12/97		09/09/97		09/09/97		09/09/97		09/09/97	
	MATRIX ---------->	Sediment		Water		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/L		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	PEN12	VAL	PEN14	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL
108-95-2	Phenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
111-44-4	bis(2-Chloroethyl)ether	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
95-57-8	2-Chlorophenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
541-73-1	1,3-Dichlorobenzene	420.	U	10.	U	1200.	U	1800.	U	440.	U	800.	U
106-46-7	1,4-Dichlorobenzene	420.	U	10.	U	1200.	U	1800.	U	440.	U	800.	U
95-50-1	1,2-Dichlorobenzene	420.	U	10.	U	1200.	U	1800.	U	440.	U	800.	U
95-48-7	2-Methylphenol (o-Cresol)	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
621-64-7	N-Nitroso-di-n-propylamine	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
67-72-1	Hexachloroethane	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
98-95-3	Nitrobenzene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
78-59-1	Isophorone	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
88-75-5	2-Nitrophenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
105-67-9	2,4-Dimethylphenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
120-83-2	2,4-Dichlorophenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
120-82-1	1,2,4-Trichlorobenzene	420.	U	10.	U	1200.	U	1800.	U	440.	U	800.	U
91-20-3	Naphthalene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
106-47-8	4-Chloroaniline	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
87-68-3	Hexachlorobutadiene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
111-91-1	bis(2-Chloroethoxy)methane	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
59-50-7	4-Chloro-3-methylphenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
91-57-6	2-Methylnaphthalene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
77-47-4	Hexachlorocyclopentadiene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
88-06-2	2,4,6-Trichlorophenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
95-95-4	2,4,5-Trichlorophenol	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
91-58-7	2-Chloronaphthalene	420.	U	20.	U	1200.	U	1800.	U	440.	U	800.	U
88-74-4	2-Nitroaniline	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
131-11-3	Dimethylphthalate	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
208-96-8	Acenaphthylene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
606-20-2	2,6-Dinitrotoluene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
99-09-2	3-Nitroaniline	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
83-32-9	Acenaphthene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
51-28-5	2,4-Dinitrophenol	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
100-02-7	4-Nitrophenol	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
132-64-9	Dibenzofuran	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

SVOA

	SAMPLE ID -------->	040-M-2B01-01		040-W-2B01-01		040-M-2B02-01		040-M-2B03-01		040-M-2B04-01		040-M-2B05-01	
	ORIGINAL ID ----->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	LAB SAMPLE ID --->	S774839*5		S775003*4		S774881*1		S774881*3		S774881*4		S774881*5	
	ID FROM REPORT -->	040M2B0101		040W2B0101		040M2B0201		040M2B0301		040M2B0401		040M2B0501	
	SAMPLE DATE ----->	08/28/97		09/04/97		08/29/97		08/29/97		08/29/97		08/29/97	
	DATE EXTRACTED -->	09/05/97		09/10/97		09/05/97		09/05/97		09/05/97		09/05/97	
	DATE ANALYZED --->	09/09/97		09/12/97		09/09/97		09/09/97		09/09/97		09/09/97	
	MATRIX ---------->	Sediment		Water		Sediment		Sediment		Sediment		Sediment	
	UNITS ---------->	UG/KG		UG/L		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	PEN12	VAL	PEN14	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL
121-14-2	2,4-Dinitrotoluene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
84-66-2	Diethylphthalate	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
7005-72-3	4-Chlorophenylphenyl ether	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
86-73-7	Fluorene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
100-01-6	4-Nitroaniline	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
86-30-6	N-Nitrosodiphenylamine	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
101-55-3	4-Bromophenyl-phenylether	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
118-74-1	Hexachlorobenzene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
87-86-5	Pentachlorophenol	1000.	U	20.	U	3000.	U	4400.	U	1100.	U	2000.	U
85-01-8	Phenanthrene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
120-12-7	Anthracene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
86-74-8	Carbazole	420.	U	10.	U	1200.	U	1800.	U	440.	U	800.	U
84-74-2	Di-n-butylphthalate	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
206-44-0	Fluoranthene	420.	U	5.	U	28.	J	81.	J	440.	U	66.	J
129-00-0	Pyrene	420.	U	5.	U	25.	J	71.	J	440.	U	60.	J
85-68-7	Butylbenzylphthalate	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
91-94-1	3,3'-Dichlorobenzidine	850.	U	20.	U	2400.	U	3700.	U	890.	U	1600.	U
56-55-3	Benzo(a)anthracene	420.	U	5.	U	1200.	U	38.	J	440.	U	37.	J
218-01-9	Chrysene	420.	U	5.	U	1200.	U	55.	J	440.	U	37.	J
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
117-84-0	Di-n-octylphthalate	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
205-99-2	Benzo(b)fluoranthene	420.	U	5.	U	1200.	U	62.	J	440.	U	55.	J
207-08-9	Benzo(k)fluoranthene	420.	U	5.	U	1200.	U	52.	J	440.	U	55.	J
50-32-8	Benzo(a)pyrene	420.	U	5.	U	1200.	U	58.	J	440.	U	51.	J
193-39-5	Indeno(1,2,3-cd)pyrene	420.	U	5.	U	1200.	U	1800.	U	440.	U	28.	J
53-70-3	Dibenz(a,h)anthracene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U
191-24-2	Benzo(g,h,i)perylene	420.	U	5.	U	1200.	U	1800.	U	440.	U	800.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

SVOA

	SAMPLE ID -------->	040-M-2B06-01		040-M-2B07-01		040-W-2B07-01		040-M-2B08-01		040-M-2B09-01		040-W-2B09-01	
	ORIGINAL ID ----->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	LAB SAMPLE ID --->	S774881*6		S774999*3		S774962A*2		S775053*1		S774999*1		S774962A*1	
	ID FROM REPORT -->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	SAMPLE DATE ----->	08/29/97		09/03/97		09/03/97		09/08/97		09/03/97		09/03/97	
	DATE EXTRACTED -->	09/05/97		09/10/97		09/08/97		09/10/97		09/10/97		09/08/97	
	DATE ANALYZED --->	09/15/97		09/11/97		09/11/97		09/13/97		09/12/97		09/11/97	
	MATRIX ---------->	Sediment		Sediment		Water		Sediment		Sediment		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/L		UG/KG		UG/KG		UG/L	
CAS #	Parameter	PEN12	VAL	PEN13	VAL	PEN11	VAL	PEN13	VAL	PEN13	VAL	PEN11	VAL
108-95-2	Phenol	250.	J	420.	U	5.	U	610.	U	400.	U	5.	U
111-44-4	bis(2-Chloroethyl)ether	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
95-57-8	2-Chlorophenol	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
541-73-1	1,3-Dichlorobenzene	1300.	U	420.	U	10.	U	610.	U	400.	U	10.	U
106-46-7	1,4-Dichlorobenzene	1300.	U	420.	U	10.	U	610.	U	400.	U	10.	U
95-50-1	1,2-Dichlorobenzene	1300.	U	420.	U	10.	U	610.	U	400.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1300.	U	420.	UJ	5.	U	610.	U	400.	U	5.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
621-64-7	N-Nitroso-di-n-propylamine	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
67-72-1	Hexachloroethane	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
98-95-3	Nitrobenzene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
78-59-1	Isophorone	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
88-75-5	2-Nitrophenol	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
105-67-9	2,4-Dimethylphenol	74.	J	420.	U	5.	U	610.	U	400.	U	5.	U
120-83-2	2,4-Dichlorophenol	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
120-82-1	1,2,4-Trichlorobenzene	1300.	U	420.	U	10.	U	610.	U	400.	U	10.	U
91-20-3	Naphthalene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
106-47-8	4-Chloroaniline	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
87-68-3	Hexachlorobutadiene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
111-91-1	bis(2-Chloroethoxy)methane	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
59-50-7	4-Chloro-3-methylphenol	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
91-57-6	2-Methylnaphthalene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
77-47-4	Hexachlorocyclopentadiene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
88-06-2	2,4,6-Trichlorophenol	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
95-95-4	2,4,5-Trichlorophenol	1300.	U	420.	U	20.	U	610.	U	400.	U	20.	U
91-58-7	2-Chloronaphthalene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
88-74-4	2-Nitroaniline	3200.	U	1000.	U	20.	U	1500.	U	980.	U	20.	U
131-11-3	Dimethylphthalate	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
208-96-8	Acenaphthylene	1300.	U	420.	U	5.	U	25.	J	400.	U	5.	U
606-20-2	2,6-Dinitrotoluene	18.	J	420.	U	5.	U	610.	U	400.	U	5.	U
99-09-2	3-Nitroaniline	12.	J	1000.	U	20.	U	1500.	U	980.	U	20.	U
83-32-9	Acenaphthene	1300.	U	18.	J	5.	U	26.	J	400.	U	5.	U
51-28-5	2,4-Dinitrophenol	3200.	U	1000.	U	20.	U	1500.	U	980.	U	20.	U
100-02-7	4-Nitrophenol	72.	J	1000.	U	20.	U	1500.	U	980.	U	20.	U
132-64-9	Dibenzofuran	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

SVOA

	SAMPLE ID ------->	040-M-2B06-01		040-M-2B07-01		040-W-2B07-01		040-M-2B08-01		040-M-2B09-01		040-W-2B09-01	
	ORIGINAL ID ----->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	LAB SAMPLE ID --->	S774881*6		S774999*3		S774962A*2		S775053*1		S774999*1		S774962A*1	
	ID FROM REPORT -->	040M2B0601		040M2B0701		040W2B0701		040M2B0801		040M2B0901		040W2B0901	
	SAMPLE DATE ----->	08/29/97		09/03/97		09/03/97		09/08/97		09/03/97		09/03/97	
	DATE EXTRACTED -->	09/05/97		09/10/97		09/08/97		09/10/97		09/10/97		09/08/97	
	DATE ANALYZED --->	09/15/97		09/11/97		09/11/97		09/13/97		09/12/97		09/11/97	
	MATRIX ---------->	Sediment		Sediment		Water		Sediment		Sediment		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/L		UG/KG		UG/KG		UG/L	
CAS #	Parameter	PEN12	VAL	PEN13	VAL	PEN11	VAL	PEN13	VAL	PEN13	VAL	PEN11	VAL
121-14-2	2,4-Dinitrotoluene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
84-66-2	Diethylphthalate	110.	J	420.	U	5.	U	610.	U	400.	U	5.	U
7005-72-3	4-Chlorophenylphenyl ether	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
86-73-7	Fluorene	1300.	U	420.	U	5.	U	32.	J	400.	U	5.	U
100-01-6	4-Nitroaniline	3200.	U	1000.	U	20.	U	1500.	U	980.	U	20.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	3200.	U	1000.	U	20.	U	1500.	U	980.	U	20.	U
86-30-6	N-Nitrosodiphenylamine	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
101-55-3	4-Bromophenyl-phenylether	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
118-74-1	Hexachlorobenzene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
87-86-5	Pentachlorophenol	3200.	U	1000.	U	20.	U	1500.	U	980.	U	20.	U
85-01-8	Phenanthrene	84.	J	240.	J	5.	U	330.	J	9.3	J	5.	U
120-12-7	Anthracene	22.	J	54.	J	5.	U	70.	J	400.	U	5.	U
86-74-8	Carbazole	18.	J	42.	J	10.	U	610.	U	400.	U	10.	U
84-74-2	Di-n-butylphthalate	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
206-44-0	Fluoranthene	40.	J	490.		5.	U	680.		13.	J	5.	U
129-00-0	Pyrene	270.	J	1200.	J	5.	U	630.	J	12.	J	5.	U
85-68-7	Butylbenzylphthalate	84.	J	420.	U	5.	U	610.	U	400.	U	5.	U
91-94-1	3,3'-Dichlorobenzidine	2600.	U	840.	UJ	20.	U	1200.	U	800.	U	20.	U
56-55-3	Benzo(a)anthracene	110.	J	500.		5.	U	300.	J	400.	U	5.	U
218-01-9	Chrysene	160.	J	660.		5.	U	320.	J	400.	U	5.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	370.	J	420.	U	5.	U	610.	U	400.	U	5.	U
117-84-0	Di-n-octylphthalate	12.	J	420.	U	5.	U	610.	U	400.	U	5.	U
205-99-2	Benzo(b)fluoranthene	170.	J	680.		5.	U	270.	J	400.	U	5.	U
207-08-9	Benzo(k)fluoranthene	13.	J	760.		5.	U	340.	J	400.	U	5.	U
50-32-8	Benzo(a)pyrene	130.	J	820.		5.	U	330.	J	400.	U	5.	U
193-39-5	Indeno(1,2,3-cd)pyrene	1300.	U	530.		5.	U	170.	J	400.	U	5.	U
53-70-3	Dibenz(a,h)anthracene	1300.	U	420.	U	5.	U	610.	U	400.	U	5.	U
191-24-2	Benzo(g,h,i)perylene	1300.	U	560.		5.	U	180.	J	400.	U	5.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

SVOA

SAMPLE ID -------->	040-M-2B10-01		040-J-4006-01				
ORIGINAL ID ----->	040M2B1001		040J400601				
LAB SAMPLE ID --->	S774999*4		S775281*1				
ID FROM REPORT -->	040M2B1001		040J400601				
SAMPLE DATE ----->	09/03/97		09/08/97				
DATE EXTRACTED -->	09/10/97		09/23/97				
DATE ANALYZED --->	09/11/97		09/26/97				
MATRIX ---------->	Sediment		Soil				
UNITS ---------->	UG/KG		UG/KG				
CAS # Parameter	PEN13	VAL	PEN15	VAL			
108-95-2 Phenol	490.	U	330.	U			
111-44-4 bis(2-Chloroethyl)ether	490.	U	330.	U			
95-57-8 2-Chlorophenol	490.	U	330.	U			
541-73-1 1,3-Dichlorobenzene	490.	U	330.	U			
106-46-7 1,4-Dichlorobenzene	490.	U	330.	U			
95-50-1 1,2-Dichlorobenzene	490.	U	330.	U			
95-48-7 2-Methylphenol (o-Cresol)	490.	U	330.	U			
108-60-1 2,2'-oxybis(1-Chloropropane)	490.	UJ	330.	U			
9999900-32-2 3-Methylphenol/4-Methylphenol	490.	U	330.	U			
621-64-7 N-Nitroso-di-n-propylamine	490.	U	330.	U			
67-72-1 Hexachloroethane	490.	U	330.	U			
98-95-3 Nitrobenzene	490.	U	330.	U			
78-59-1 Isophorone	490.	U	330.	U			
88-75-5 2-Nitrophenol	490.	U	330.	U			
105-67-9 2,4-Dimethylphenol	490.	U	330.	U			
120-83-2 2,4-Dichlorophenol	490.	U	330.	U			
120-82-1 1,2,4-Trichlorobenzene	490.	U	330.	U			
91-20-3 Naphthalene	490.	U	330.	U			
106-47-8 4-Chloroaniline	490.	U	660.	U			
87-68-3 Hexachlorobutadiene	490.	U	330.	U			
111-91-1 bis(2-Chloroethoxy)methane	490.	U	330.	U			
59-50-7 4-Chloro-3-methylphenol	490.	U	330.	U			
91-57-6 2-Methylnaphthalene	490.	U	330.	U			
77-47-4 Hexachlorocyclopentadiene	490.	U	330.	U			
88-06-2 2,4,6-Trichlorophenol	490.	U	330.	U			
95-95-4 2,4,5-Trichlorophenol	490.	U	330.	U			
91-58-7 2-Chloronaphthalene	490.	U	330.	U			
88-74-4 2-Nitroaniline	1200.	U	1700.	U			
131-11-3 Dimethylphthalate	490.	U	330.	U			
208-96-8 Acenaphthylene	490.	U	330.	U			
606-20-2 2,6-Dinitrotoluene	490.	U	330.	U			
99-09-2 3-Nitroaniline	1200.	U	1700.	U			
83-32-9 Acenaphthene	490.	U	330.	U			
51-28-5 2,4-Dinitrophenol	1200.	U	1700.	U			
100-02-7 4-Nitrophenol	1200.	U	1700.	U			
132-64-9 Dibenzofuran	490.	U	330.	U			

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

SVOA

	SAMPLE ID ------->	040-M-2B10-01		040-J-4006-01				
	ORIGINAL ID ----->	040M2B1001		040J400601				
	LAB SAMPLE ID --->	S774999*4		S775281*1				
	ID FROM REPORT -->	040M2B1001		040J400601				
	SAMPLE DATE ----->	09/03/97		09/08/97				
	DATE EXTRACTED -->	09/10/97		09/23/97				
	DATE ANALYZED --->	09/11/97		09/26/97				
	MATRIX ---------->	Sediment		Soil				
	UNITS ---------->	UG/KG		UG/KG				
CAS #	Parameter	PEN13	VAL	PEN15	VAL			
121-14-2	2,4-Dinitrotoluene	490.	U	330.	U			
84-66-2	Diethylphthalate	490.	U	330.	U			
7005-72-3	4-Chlorophenylphenyl ether	490.	U	330.	U			
86-73-7	Fluorene	490.	U	330.	U			
100-01-6	4-Nitroaniline	1200.	U	1700.	U			
534-52-1	2-Methyl-4,6-Dinitrophenol	1200.	U	1700.	U			
86-30-6	N-Nitrosodiphenylamine	490.	U	330.	U			
101-55-3	4-Bromophenyl-phenylether	490.	U	330.	U			
118-74-1	Hexachlorobenzene	490.	U	330.	U			
87-86-5	Pentachlorophenol	1200.	U	1700.	U			
85-01-8	Phenanthrene	490.	U	330.	U			
120-12-7	Anthracene	490.	U	330.	U			
86-74-8	Carbazole	490.	U	330.	U			
84-74-2	Di-n-butylphthalate	490.	U	330.	U			
206-44-0	Fluoranthene	490.	U	330.	U			
129-00-0	Pyrene	490.	U	330.	U			
85-68-7	Butylbenzylphthalate	490.	U	330.	U			
91-94-1	3,3'-Dichlorobenzidine	490.	U	330.	U			
56-55-3	Benzo(a)anthracene	980.	UJ	660.	U			
218-01-9	Chrysene	490.	U	330.	U			
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	490.	U	330.	U			
117-84-0	Di-n-octylphthalate	490.	U	330.	U			
205-99-2	Benzo(b)fluoranthene	490.	U	330.	U			
207-08-9	Benzo(k)fluoranthene	490.	U	330.	U			
50-32-8	Benzo(a)pyrene	490.	U	330.	U			
193-39-5	Indeno(1,2,3-cd)pyrene	490.	U	330.	U			
53-70-3	Dibenz(a,h)anthracene	490.	U	330.	U			
191-24-2	Benzo(g,h,i)perylene	490.	U	330.	U			

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

TOC

	SAMPLE ID ------->	040-M-2B01-01	040-M-2B02-01	040-M-2B03-01	040-M-2B04-01	040-M-2B05-01	040-M-2B06-01
	ORIGINAL ID ----->	040M2B0101	040M2B0201	040M2B0301	040M2B0401	040M2B0501	040M2B0601
	LAB SAMPLE ID --->	S774839*5	S774881*1	S774881*3	S774881*4	S774881*5	S774881*6
	ID FROM REPORT -->	040M2B0101	040M2B0201	040M2B0301	040M2B0401	040M2B0501	040M2B0601
	SAMPLE DATE ----->	08/28/97	08/29/97	08/29/97	08/29/97	08/29/97	08/29/97
	DATE EXTRACTED -->	09/09/97	09/09/97	09/09/97	09/09/97	09/09/97	09/09/97
	DATE ANALYZED --->	09/09/97	09/09/97	09/09/97	09/09/97	09/09/97	09/09/97
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
CAS #	Parameter	PEN12 VAL	PEN12 VAL	PEN12 VAL	PEN12 VAL	PEN12 VAL	PEN12 VAL
9999900-01-4	Total Organic Carbon (TOC)	2400.	51000.	46000.	790.	25000.	60000.

*** Validation Complete ***

TOC

	SAMPLE ID ------->	040-M-2B07-01	040-M-2B08-01	040-M-2B09-01	040-M-2B10-01		
	ORIGINAL ID ----->	040M2B0701	040M2B0801	040M2B0901	040M2B1001		
	LAB SAMPLE ID --->	S774999*3	S775053*1	S774999*1	S774999*4		
	ID FROM REPORT -->	040M2B0701	040M2B0801	040M2B0901	040M2B1001		
	SAMPLE DATE ----->	09/03/97	09/08/97	09/03/97	09/03/97		
	DATE EXTRACTED -->	09/12/97	09/12/97	09/12/97	09/12/97		
	DATE ANALYZED --->	09/12/97	09/12/97	09/12/97	09/12/97		
	MATRIX ---------->	Sediment	Sediment	Sediment	Sediment		
	UNITS ---------->	MG/KG	MG/KG	MG/KG	MG/KG		
CAS #	Parameter	PEN13 VAL	PEN13 VAL	PEN13 VAL	PEN13 VAL		
9999900-01-4	Total Organic Carbon (TOC)	2500.	13000.	1400.	2900.		

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

VOA

SAMPLE ID -------->	040-M-2B01-01	040-W-2B01-01	040-M-2B02-01	040-M-2B03-01	040-M-2B04-01	040-M-2B05-01
ORIGINAL ID ----->	040M2B0101	040W2B0101	040M2B0201	040M2B0301	040M2B0401	040M2B0501
LAB SAMPLE ID --->	S774839*5	S775003*4	S774881*1	S774881*3	S774881*4	S774881*5
ID FROM REPORT -->	040M2B0101	040W2B0101	040M2B0201	040M2B0301	040M2B0401	040M2B0501
SAMPLE DATE ----->	08/28/97	09/04/97	08/29/97	08/29/97	08/29/97	08/29/97
DATE ANALYZED --->	09/03/97	09/09/97	09/05/97	09/05/97	09/05/97	09/05/97
MATRIX ---------->	Sediment	Water	Sediment	Sediment	Sediment	Sediment
UNITS ---------->	UG/KG	UG/L	UG/KG	UG/KG	UG/KG	UG/KG

CAS #	Parameter	PEN12	VAL	PEN14	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL	PEN12	VAL
74-87-3	Chloromethane	13.	U	1.	U	37.	U	56.	U	14.	U	24.	U
75-01-4	Vinyl chloride	13.	U	1.	U	37.	U	56.	U	14.	U	24.	U
74-83-9	Bromomethane	13.	U	1.	U	37.	U	56.	U	14.	U	24.	U
75-00-3	Chloroethane	13.	U	1.	U	37.	U	56.	U	14.	U	24.	U
75-35-4	1,1-Dichloroethene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
75-09-2	Methylene chloride	6.4	U	5.	U	18.	U	28.	U	6.8	U	12.	U
75-34-3	1,1-Dichloroethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
67-66-3	Chloroform	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
71-55-6	1,1,1-Trichloroethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
56-23-5	Carbon tetrachloride	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
71-43-2	Benzene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
107-06-2	1,2-Dichloroethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
79-01-6	Trichloroethene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
78-87-5	1,2-Dichloropropane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
75-27-4	Bromodichloromethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
108-88-3	Toluene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
79-00-5	1,1,2-Trichloroethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
127-18-4	Tetrachloroethene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
124-48-1	Dibromochloromethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
108-90-7	Chlorobenzene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
100-41-4	Ethylbenzene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
100-42-5	Styrene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
75-25-2	Bromoform	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
67-64-1	Acetone	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
75-15-0	Carbon disulfide	13.	U	25.	U	47.		90.		14.	U	24.	U
78-93-3	2-Butanone (MEK)	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	13.	U	10.	U	37.	U	56.	U	14.	U	24.	U
10061-01-5	cis-1,3-Dichloropropene	13.	U	10.	U	37.	U	56.	U	14.	U	24.	U
10061-02-6	trans-1,3-Dichloropropene	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
591-78-6	2-Hexanone	6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U
1330-20-7	Xylene (Total)	13.	U	10.	U	37.	U	56.	U	14.	U	24.	U
540-59-0	1,2-Dichloroethene (total)	6.4	U	2.	U	18.	U	28.	U	6.8	U	12.	U
		6.4	U	1.	U	18.	U	28.	U	6.8	U	12.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

VOA

SAMPLE ID -------->	040-M-2B06-01	040-M-2B07-01	040-W-2B07-01	040-M-2B08-01	040-M-2B09-01	040-W-2B09-01
ORIGINAL ID ----->	040M2B0601	040M2B0701	040W2B0701	040M2B0801	040M2B0901	040W2B0901
LAB SAMPLE ID --->	S774881*6	S774962*3	S774962A*2	S775053*1	S774962*1	S774962A*1
ID FROM REPORT -->	040M2B0601	040M2B0701	040W2B0701	040M2B0801	040M2B0901	040W2B0901
SAMPLE DATE ----->	08/29/97	09/03/97	09/03/97	09/08/97	09/03/97	09/03/97
DATE ANALYZED --->	09/05/97	09/09/97	09/09/97	09/10/97	09/08/97	09/09/97
MATRIX ---------->	Sediment	Sediment	Water	Sediment	Sediment	Water
UNITS ---------->	UG/KG	UG/KG	UG/L	UG/KG	UG/KG	UG/L

CAS #	Parameter	PEN12	VAL	PEN12	VAL	PEN11	VAL	PEN13	VAL	PEN12	VAL	PEN11	VAL
74-87-3	Chloromethane	40.	U	14.	U	1.	U	18.	U	13.	U	1.	U
75-01-4	Vinyl chloride	40.	U	14.	U	1.	U	18.	U	13.	U	1.	U
74-83-9	Bromomethane	40.	U	14.	U	1.	U	18.	U	13.	U	1.	U
75-00-3	Chloroethane	40.	U	14.	U	1.	U	18.	U	13.	U	1.	U
75-35-4	1,1-Dichloroethene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
75-09-2	Methylene chloride	20.	U	6.8	U	5.	U	9.2	U	6.5	U	5.	U
75-34-3	1,1-Dichloroethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
67-66-3	Chloroform	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
71-55-6	1,1,1-Trichloroethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
56-23-5	Carbon tetrachloride	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
71-43-2	Benzene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
107-06-2	1,2-Dichloroethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
79-01-6	Trichloroethene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
78-87-5	1,2-Dichloropropane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
75-27-4	Bromodichloromethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
108-88-3	Toluene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
79-00-5	1,1,2-Trichloroethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	0.33	J
127-18-4	Tetrachloroethene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
124-48-1	Dibromochloromethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
108-90-7	Chlorobenzene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
100-41-4	Ethylbenzene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
100-42-5	Styrene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
75-25-2	Bromoform	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
67-64-1	Acetone	40.	U	14.	U	25.	U	18.	U	13.	U	25.	U
75-15-0	Carbon disulfide	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
78-93-3	2-Butanone (MEK)	40.	U	14.	U	10.	U	18.	U	13.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	40.	U	14.	U	10.	U	18.	U	13.	U	10.	U
10061-01-5	cis-1,3-Dichloropropene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
10061-02-6	trans-1,3-Dichloropropene	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U
591-78-6	2-Hexanone	40.	U	14.	U	10.	U	18.	U	13.	U	10.	U
1330-20-7	Xylene (Total)	20.	U	6.8	U	2.	U	9.2	U	6.5	U	2.	U
540-59-0	1,2-Dichloroethene (total)	20.	U	6.8	U	1.	U	9.2	U	6.5	U	1.	U

*** Validation Complete ***

PENSACOLA, SITE 40
PENSACOLA, SITE 40, PHASE III

VOA

SAMPLE ID -------->	040-M-2B10-01
ORIGINAL ID ----->	040M2B1001
LAB SAMPLE ID --->	S774962*4
ID FROM REPORT -->	040M2B1001
SAMPLE DATE ----->	09/03/97
DATE ANALYZED --->	09/09/97
MATRIX ---------->	Sediment
UNITS ---------->	UG/KG

CAS #	Parameter	PEN12	VAL
74-87-3	Chloromethane	14.	U
75-01-4	Vinyl chloride	14.	U
74-83-9	Bromomethane	14.	U
75-00-3	Chloroethane	14.	U
75-35-4	1,1-Dichloroethene	6.8	U
75-09-2	Methylene chloride	6.8	U
75-34-3	1,1-Dichloroethane	6.8	U
67-66-3	Chloroform	6.8	U
71-55-6	1,1,1-Trichloroethane	6.8	U
56-23-5	Carbon tetrachloride	6.8	U
71-43-2	Benzene	6.8	U
107-06-2	1,2-Dichloroethane	6.8	U
79-01-6	Trichloroethene	6.8	U
78-87-5	1,2-Dichloropropane	6.8	U
75-27-4	Bromodichloromethane	6.8	U
108-88-3	Toluene	6.8	U
79-00-5	1,1,2-Trichloroethane	6.8	U
127-18-4	Tetrachloroethene	6.8	U
124-48-1	Dibromochloromethane	6.8	U
108-90-7	Chlorobenzene	6.8	U
100-41-4	Ethylbenzene	6.8	U
100-42-5	Styrene	6.8	U
75-25-2	Bromoform	6.8	U
79-34-5	1,1,2,2-Tetrachloroethane	6.8	U
67-64-1	Acetone	14.	U
75-15-0	Carbon disulfide	6.8	U
78-93-3	2-Butanone (MEK)	14.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	14.	U
10061-01-5	cis-1,3-Dichloropropene	6.8	U
10061-02-6	trans-1,3-Dichloropropene	6.8	U
591-78-6	2-Hexanone	14.	U
1330-20-7	Xylene (Total)	6.8	U
540-59-0	1,2-Dichloroethene (total)	6.8	U

*** Validation Complete ***

ACIDS AND BASE NEUTRAL EXTRACTABLES (8270) FRACTION

SDG# PEN15

SL PROJECT S775281

ADDENDUM

FORMS

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-1

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 040J400601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5273

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/26/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-1

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 040J400601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5273

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/26/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-3

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J18B101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5294

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-3

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J18B101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5294

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a) Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	92	J
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-4

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J640101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5295

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-4

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J640101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5295

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM I SV

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-5

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J640601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5284

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-5

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J640601

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5284

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-6

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J330201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5297

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-6

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J330201

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5297

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/29/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a) Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-8

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J750101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5286

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	140	J
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

75281-8

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Matrix: (soil/water) SOIL Lab Sample ID: 041J750101

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5286

Level: (low/med) LOW Date Received: 09/18/97

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/27/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

0923G-JMB

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

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

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5271

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/26/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

0923G-JMB

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

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

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5271

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/26/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

0923G-JMBLCS

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

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

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5272

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/26/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1400	
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	560	
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	bis(2-Chloroisopropyl)ether	330	U
621-64-7	N-Nitroso-di-n-propylamine	730	
108-39-4	3&4-Methylphenol	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethyphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	650	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1700	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	710	
51-28-5	2,4-Dinitrophenol	1700	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

0923G-JMBLCS

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

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

Sample wt/vol: 30.0 (g/mL) G Lab File ID: J5272

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/23/97

Concentrated Extract Volume: 0 (mL) Date Analyzed: 09/26/97

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	1700	
121-14-2	2,4-Dinitrotoluene	770	
86-73-7	Fluorene	330	U
131-11-3	Dimethylphthalate	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
122-39-4	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1300	J
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	760	
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a) Anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b) fluoranthene	330	U
207-08-9	Benzo(k) fluoranthene	330	U
50-32-8	Benzo(a) pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
86-74-8	Carbazole	330	U

(1) - Cannot be separated from Diphenylamine

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	0923G-JMB	30	36	31	38	42	46			0
02	0923G-JMBLCS	36	42	36	41	48	49			0
03	75281-1	39	52	36	50	61	76			0
04	75281-5	36	45	34	44	52	76			0
05	75281-8	39	48	39	47	48	70			0
06	75281-3	33	45	32	46	52	70			0
07	75281-4	36	45	38	44	52	76			0
08	75281-6	33	42	33	39	45	70			0
09										
10										
11										
12										
13										
14										
15										
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27										
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29										
30										

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(18-107)
S2 (PHL)	= Phenol-d5	(28-105)
S3 (NBZ)	= Nitrobenzene-d5	(21- 98)
S4 (FBP)	= 2-Fluorobiphenyl	(29- 99)
S5 (TBP)	= 2,4,6-Tribromophenol	(12-122)
S6 (TPH)	= Terphenyl-d14	(22-136)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date(s): 09/23/97 09/23/97

Column: RTX-5MS ID: 0.25 (mm) Calibration Time(s): 1818 2140

LAB FILE ID: RF20: JQ816 RF50: JQ815 RF80: JQ812
RF120: JQ814 RF160: JQ813

COMPOUND	RF20	RF50	RF80	RF120	RF160
Phenol	2.002	2.016	1.761	1.537	1.587
Bis(2-chloroethyl)ether	3.195	3.177	2.743	2.700	2.680
2-Chlorophenol	1.862	1.744	1.592	1.449	1.519
1,3-Dichlorobenzene	1.957	1.940	1.618	1.473	1.462
1,4-Dichlorobenzene	1.954	1.690	1.547	1.374	1.328
1,2-Dichlorobenzene	1.854	1.717	1.514	1.330	1.274
2-Methylphenol	1.183	1.167	1.083	1.040	1.029
bis(2-Chloroisopropyl)ether	1.752	1.731	1.479	1.472	1.522
N-Nitroso-di-n-propylamine	1.210	1.143	1.064	0.924	0.917
3&4-Methylphenol	1.745	1.531	1.558	1.449	1.490
Hexachloroethane	0.758	0.748	0.642	0.594	0.570
Nitrobenzene	0.467	0.433	0.378	0.328	0.311
Isophorone	0.910	0.848	0.781	0.631	0.572
2-Nitrophenol	0.283	0.258	0.232	0.197	0.207
2,4-Dimethyphenol	0.366	0.355	0.306	0.258	0.277
Bis(2-chloroethoxy)methane	0.509	0.446	0.432	0.333	0.386
2,4-Dichlorophenol	0.356	0.334	0.295	0.212	0.203
1,2,4-Trichlorobenzene	0.346	0.321	0.283	0.244	0.233
Naphthalene	1.236	1.105	0.984	0.827	0.787
4-Chloroaniline	0.560	0.534	0.470	0.391	0.362
Hexachlorobutadiene	0.191	0.175	0.157	0.132	0.126
4-Chloro-3-Methylphenol	0.369	0.337	0.293	0.268	0.260
2-Methylnaphthalene	0.821	0.755	0.656	0.574	0.558
Hexachlorocyclopentadiene	0.387	0.404	0.373	0.326	0.301
2,4,6-Trichlorophenol	0.457	0.442	0.388	0.369	0.368
2,4,5-Trichlorophenol	0.501	0.472	0.406	0.355	0.312
2-Chloronaphthalene	1.402	1.321	1.137	1.055	0.968
2-Nitroaniline	0.524	0.536	0.446	0.450	0.425
Acenaphthylene	2.392	2.208	1.885	1.745	1.587
2,6-Dinitrotoluene	0.383	0.368	0.310	0.292	0.273
3-Nitroaniline	0.526	0.518	0.421	0.414	0.376
Acenaphthene	1.340	1.259	1.092	1.010	0.939
2,4-Dinitrophenol	0.147	0.205	0.189	0.187	0.193
Dibenzofuran	1.849	1.728	1.465	1.333	1.270
4-Nitrophenol	0.267	0.323	0.288	0.260	0.260
2,4-Dinitrotoluene	0.527	0.525	0.450	0.432	0.402
Fluorene	1.438	1.281	1.117	0.986	0.896

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date(s): 09/23/97 09/23/97

Column: RTX-5MS ID: 0.25 (mm) Calibration Time(s): 1818 2140

LAB FILE ID: RF20: JQ816 RF50: JQ815 RF80: JQ812
RF120: JQ814 RF160: JQ813

COMPOUND	RF20	RF50	RF80	RF120	RF160
Dimethylphthalate	1.668	1.595	1.357	1.256	1.176
Diethylphthalate	1.813	1.710	1.448	1.351	1.109
4-Chlorophenyl-phenylether	0.625	0.533	0.460	0.400	0.342
4-Nitroaniline	0.493	0.497	0.401	0.442	0.411
4,6-Dinitro-2-methylphenol	0.144	0.170	0.158	0.136	0.121
N-Nitrosodiphenylamine	0.659	0.593	0.522	0.446	0.393
4-Bromophenyl-phenylether	0.270	0.250	0.229	0.194	0.185
Hexachlorobenzene	0.284	0.260	0.229	0.201	0.192
Pentachlorophenol	0.187	0.206	0.187	0.176	0.177
Phenanthrene	1.181	1.078	0.955	0.854	0.818
Anthracene	1.202	1.046	0.914	0.825	0.760
Di-n-Butylphthalate	2.043	1.865	1.613	1.429	1.368
Fluoranthene	1.243	1.153	0.993	0.906	0.855
Pyrene	2.058	1.961	1.855	1.589	1.665
Butylbenzylphthalate	1.249	1.258	1.124	1.055	1.081
Benzo(a)Anthracene	1.466	1.520	1.398	1.264	1.284
3,3'-Dichlorobenzidine	0.329	0.431	0.305	0.354	0.316
Chrysene	1.329	1.284	1.187	1.060	1.056
Bis(2-ethylhexyl)phthalate	1.405	1.393	1.272	1.138	1.146
Di-n-octylphthalate	3.247	3.187	2.774	2.451	2.499
Benzo(b)fluoranthene	1.691	1.713	1.547	1.346	1.488
Benzo(k)fluoranthene	1.746	1.556	1.317	1.168	1.060
Benzo(a)pyrene	1.366	1.343	1.176	1.060	1.063
Indeno(1,2,3-cd)pyrene	0.814	0.886	0.780	0.730	0.720
Dibenzo(a,h)anthracene	0.716	0.773	0.688	0.624	0.595
Benzo(g,h,i)perylene	0.773	0.815	0.711	0.658	0.619
Carbazole	1.206	1.129	0.978	0.909	0.892
2-Fluorophenol	2.041	2.024	1.654	1.605	1.600
Phenol-d5	2.197	2.164	1.837	1.779	1.820
Nitrobenzene-d5	0.511	0.490	0.386	0.380	0.363
2-Fluorobiphenyl	1.630	1.502	1.166	1.171	1.056
2,4,6-Tribromophenol	0.218	0.216	0.185	0.174	0.158
Terphenyl-d14	1.448	1.386	1.096	1.119	1.143

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date(s): 09/23/97 09/23/97

Column: RTX-5MS ID: 0.25 (mm) Calibration Time(s): 1818 2140

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Phenol	AVRG	1.78056214	12.6
Bis(2-chloroethyl)ether	AVRG	2.89900489	9.1
2-Chlorophenol	AVRG	1.63312757	10.3
1,3-Dichlorobenzene	AVRG	1.68986393	14.4
1,4-Dichlorobenzene	AVRG	1.57863337	16.1
1,2-Dichlorobenzene	AVRG	1.53772725	16.1
2-Methylphenol	AVRG	1.10026359	6.5
bis(2-Chloroisopropyl)ether	AVRG	1.59112877	8.7
N-Nitroso-di-n-propylamine	AVRG	1.05158709	12.4
3&4-Methylphenol	AVRG	1.55468903	7.3
Hexachloroethane	AVRG	0.66246736	13.1
Nitrobenzene	AVRG	0.38338889	17.3
Isophorone	AVRG	0.74851344	19.1
2-Nitrophenol	AVRG	0.23561553	15.1
2,4-Dimethyphenol	AVRG	0.31243909	15.1
Bis(2-chloroethoxy)methane	AVRG	0.42131015	15.7
2,4-Dichlorophenol	AVRG	0.28000002	24.8
1,2,4-Trichlorobenzene	AVRG	0.28522504	16.9
Naphthalene	AVRG	0.98776283	19.0
4-Chloroaniline	AVRG	0.46356991	18.6
Hexachlorobutadiene	AVRG	0.15640309	17.7
4-Chloro-3-Methylphenol	AVRG	0.30551686	15.2
2-Methylnaphthalene	AVRG	0.67292477	17.0
Hexachlorocyclopentadiene	AVRG	0.35815850	12.0
2,4,6-Trichlorophenol	AVRG	0.40487157	10.4
2,4,5-Trichlorophenol	AVRG	0.40906614	19.2
2-Chloronaphthalene	AVRG	1.17660536	15.4
2-Nitroaniline	AVRG	0.47633459	10.6
Acenaphthylene	AVRG	1.96348782	16.9
2,6-Dinitrotoluene	AVRG	0.32534700	14.8
3-Nitroaniline	AVRG	0.45110519	14.9
Acenaphthene	AVRG	1.12811554	14.9
2,4-Dinitrophenol	AVRG	0.18419514	12.0
Dibenzofuran	AVRG	1.52906714	16.4
4-Nitrophenol	AVRG	0.27966485	9.5
2,4-Dinitrotoluene	AVRG	0.46740931	12.0
Fluorene	AVRG	1.14335642	19.2

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date(s): 09/23/97 09/23/97

Column: RTX-5MS ID: 0.25 (mm) Calibration Time(s): 1818 2140

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dimethylphthalate	AVRG	1.41036813	15.1
Diethylphthalate	AVRG	1.48631534	19.0
4-Chlorophenyl-phenylether	AVRG	0.47203248	23.5
4-Nitroaniline	AVRG	0.44892725	10.0
4,6-Dinitro-2-methylphenol	AVRG	0.14583653	13.1
N-Nitrosodiphenylamine	AVRG	0.52276686	20.5
4-Bromophenyl-phenylether	AVRG	0.22561857	16.0
Hexachlorobenzene	AVRG	0.23319264	16.7
Pentachlorophenol	AVRG	0.18647647	6.5
Phenanthrene	AVRG	0.97741144	15.6
Anthracene	AVRG	0.94956554	18.7
Di-n-Butylphthalate	AVRG	1.66375217	17.2
Fluoranthene	AVRG	1.03005808	15.9
Pyrene	AVRG	1.82559476	10.8
Butylbenzylphthalate	AVRG	1.15368364	8.2
Benzo(a)Anthracene	AVRG	1.38628927	8.0
3,3'-Dichlorobenzidine	AVRG	0.34713454	14.4
Chrysene	AVRG	1.18321359	10.6
Bis(2-ethylhexyl)phthalate	AVRG	1.27059715	10.1
Di-n-octylphthalate	AVRG	2.83155541	13.2
Benzo(b)fluoranthene	AVRG	1.55706477	9.7
Benzo(k)fluoranthene	AVRG	1.36933592	20.5
Benzo(a)pyrene	AVRG	1.20153939	12.3
Indeno(1,2,3-cd)pyrene	AVRG	0.78618419	8.6
Dibenzo(a,h)anthracene	AVRG	0.67936937	10.5
Benzo(g,h,i)perylene	AVRG	0.71515597	11.3
Carbazole	AVRG	1.02281588	13.5
2-Fluorophenol	AVRG	1.78491644	12.7
Phenol-d5	AVRG	1.95938356	10.4
Nitrobenzene-d5	AVRG	0.42620142	16.2
2-Fluorobiphenyl	AVRG	1.30511426	18.9
2,4,6-Tribromophenol	AVRG	0.19039657	13.9
Terphenyl-d14	AVRG	1.23853320	13.4

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date: 09/26/97 Time: 0815

Lab File ID: JQ822 Init. Calib. Date(s): 09/23/97 09/23/97

Init. Calib. Times: 1818 2140

GC Column: RTX-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Phenol	1.781	1.883		5.7	30.0
Bis(2-chloroethyl)ether	2.899	3.369		16.2	
2-Chlorophenol	1.633	1.668		2.1	
1,3-Dichlorobenzene	1.690	1.731		2.4	
1,4-Dichlorobenzene	1.579	1.661		5.2	30.0
1,2-Dichlorobenzene	1.538	1.617		5.1	
2-Methylphenol	1.100	1.150		4.5	
bis(2-Chloroisopropyl)ether	1.591	1.685		5.9	
N-Nitroso-di-n-propylamine	1.052	1.114	0.050	5.9	
3&4-Methylphenol	1.555	1.777		14.3	
Hexachloroethane	0.662	0.735		11.0	
Nitrobenzene	0.383	0.391		2.1	
Isophorone	0.748	0.793		6.0	
2-Nitrophenol	0.235	0.243		3.4	30.0
2,4-Dimethyphenol	0.312	0.309		1.0	
Bis(2-chloroethoxy)methane	0.421	0.449		6.6	
2,4-Dichlorophenol	0.280	0.311		11.1	30.0
1,2,4-Trichlorobenzene	0.285	0.280		1.8	
Naphthalene	0.988	1.036		4.8	
4-Chloroaniline	0.463	0.473		2.2	
Hexachlorobutadiene	0.156	0.159		1.9	30.0
4-Chloro-3-Methylphenol	0.305	0.325		6.6	30.0
2-Methylnaphthalene	0.673	0.678		0.7	
Hexachlorocyclopentadiene	0.358	0.409	0.050	14.2	
2,4,6-Trichlorophenol	0.405	0.411		1.5	30.0
2,4,5-Trichlorophenol	0.409	0.450		10.0	
2-Chloronaphthalene	1.177	1.217		3.4	
2-Nitroaniline	0.476	0.493		3.6	
Acenaphthylene	1.963	2.015		2.6	
2,6-Dinitrotoluene	0.325	0.325		0.0	
3-Nitroaniline	0.451	0.458		1.6	
Acenaphthene	1.128	1.176		4.2	30.0
2,4-Dinitrophenol	0.184	0.224	0.050	21.7	
Dibenzofuran	1.529	1.541		0.8	
4-Nitrophenol	0.280	0.294	0.050	5.0	
2,4-Dinitrotoluene	0.467	0.493		5.6	
Fluorene	1.144	1.187		3.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date: 09/26/97 Time: 0815

Lab File ID: JQ822 Init. Calib. Date(s): 09/23/97 09/23/97

Init. Calib. Times: 1818 2140

GC Column: RTX-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Dimethylphthalate	1.410	1.468		4.1	
Diethylphthalate	1.486	1.571		5.7	
4-Chlorophenyl-phenylether	0.472	0.502		6.4	
4-Nitroaniline	0.449	0.449		0.0	
4,6-Dinitro-2-methylphenol	0.146	0.175		19.9	
N-Nitrosodiphenylamine	0.523	0.554		5.9	30.0
4-Bromophenyl-phenylether	0.226	0.236		4.4	
Hexachlorobenzene	0.233	0.238		2.1	
Pentachlorophenol	0.187	0.193		3.2	30.0
Phenanthrene	0.977	1.019		4.3	
Anthracene	0.949	0.966		1.8	
Di-n-Butylphthalate	1.664	1.702		2.3	
Fluoranthene	1.030	1.052		2.1	30.0
Pyrene	1.826	1.791		1.9	
Butylbenzylphthalate	1.153	1.207		4.7	
Benzo(a)Anthracene	1.386	1.520		9.7	
3,3'-Dichlorobenzidine	0.347	0.391		12.7	
Chrysene	1.183	1.272		7.5	
Bis(2-ethylhexyl)phthalate	1.271	1.564		23.0	
Di-n-octylphthalate	2.832	3.339		17.9	30.0
Benzo(b)fluoranthene	1.557	1.728		11.0	
Benzo(k)fluoranthene	1.369	1.451		6.0	
Benzo(a)pyrene	1.202	1.287		7.1	30.0
Indeno(1,2,3-cd)pyrene	0.786	0.733		6.7	
Dibenzo(a,h)anthracene	0.679	0.659		2.9	
Benzo(g,h,i)perylene	0.715	0.665	0.010	7.0	
Carbazole	1.023	1.021		0.2	
2-Fluorophenol	1.785	1.819		1.9	
Phenol-d5	1.959	2.052		4.7	
Nitrobenzene-d5	0.426	0.409		4.0	
2-Fluorobiphenyl	1.305	1.240		5.0	
2,4,6-Tribromophenol	0.190	0.200		5.3	
Terphenyl-d14	1.238	1.051		15.1	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date: 09/26/97 Time: 2244

Lab File ID: JQ823 Init. Calib. Date(s): 09/23/97 09/23/97

Init. Calib. Times: 1818 2140

GC Column: RTX-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Phenol	1.781	1.897		6.5	30.0
Bis(2-chloroethyl)ether	2.899	3.635		25.4	
2-Chlorophenol	1.633	1.722		5.4	
1,3-Dichlorobenzene	1.690	1.733		2.5	
1,4-Dichlorobenzene	1.579	1.691		7.1	30.0
1,2-Dichlorobenzene	1.538	1.612		4.8	
2-Methylphenol	1.100	1.177		7.0	
bis(2-Chloroisopropyl)ether	1.591	1.704		7.1	
N-Nitroso-di-n-propylamine	1.052	1.202	0.050	14.2	
3&4-Methylphenol	1.555	1.755		12.9	
Hexachloroethane	0.662	0.750		13.3	
Nitrobenzene	0.383	0.410		7.0	
Isophorone	0.748	0.807		7.9	
2-Nitrophenol	0.235	0.245		4.2	30.0
2,4-Dimethyphenol	0.312	0.322		3.2	
Bis(2-chloroethoxy)methane	0.421	0.461		9.5	
2,4-Dichlorophenol	0.280	0.298		6.4	30.0
1,2,4-Trichlorobenzene	0.285	0.284		0.4	
Naphthalene	0.988	1.032		4.4	
4-Chloroaniline	0.463	0.467		0.9	
Hexachlorobutadiene	0.156	0.164		5.1	30.0
4-Chloro-3-Methylphenol	0.305	0.329		7.9	30.0
2-Methylnaphthalene	0.673	0.682		1.3	
Hexachlorocyclopentadiene	0.358	0.413	0.050	15.4	
2,4,6-Trichlorophenol	0.405	0.419		3.4	30.0
2,4,5-Trichlorophenol	0.409	0.426		4.2	
2-Chloronaphthalene	1.177	1.213		3.0	
2-Nitroaniline	0.476	0.521		9.4	
Acenaphthylene	1.963	2.077		5.8	
2,6-Dinitrotoluene	0.325	0.332		2.2	
3-Nitroaniline	0.451	0.474		5.1	
Acenaphthene	1.128	1.195		5.9	30.0
2,4-Dinitrophenol	0.184	0.172	0.050	6.5	
Dibenzofuran	1.529	1.570		2.7	
4-Nitrophenol	0.280	0.300	0.050	7.1	
2,4-Dinitrotoluene	0.467	0.487		4.3	
Fluorene	1.144	1.217		6.4	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date: 09/26/97 Time: 2244

Lab File ID: JQ823 Init. Calib. Date(s): 09/23/97 09/23/97

Init. Calib. Times: 1818 2140

GC Column: RTX-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Dimethylphthalate	1.410	1.516		7.5	
Diethylphthalate	1.486	1.609		8.3	
4-Chlorophenyl-phenylether	0.472	0.520		10.2	
4-Nitroaniline	0.449	0.433		3.6	
4,6-Dinitro-2-methylphenol	0.146	0.144		1.4	
N-Nitrosodiphenylamine	0.523	0.560		7.1	30.0
4-Bromophenyl-phenylether	0.226	0.244		8.0	
Hexachlorobenzene	0.233	0.241		3.4	
Pentachlorophenol	0.187	0.189		1.1	30.0
Phenanthrene	0.977	1.037		6.1	
Anthracene	0.949	0.994		4.7	
Di-n-Butylphthalate	1.664	1.722		3.5	
Fluoranthene	1.030	1.064		3.3	30.0
Pyrene	1.826	1.909		4.5	
Butylbenzylphthalate	1.153	1.217		5.6	
Benzo(a)Anthracene	1.386	1.494		7.8	
3,3'-Dichlorobenzidine	0.347	0.328		5.5	
Chrysene	1.183	1.290		9.0	
Bis(2-ethylhexyl)phthalate	1.271	1.479		16.4	
Di-n-octylphthalate	2.832	3.345		18.1	30.0
Benzo(b)fluoranthene	1.557	1.691		8.6	
Benzo(k)fluoranthene	1.369	1.477		7.9	
Benzo(a)pyrene	1.202	1.268		5.5	30.0
Indeno(1,2,3-cd)pyrene	0.786	0.718		8.6	
Dibenzo(a,h)anthracene	0.679	0.628		7.5	
Benzo(g,h,i)perylene	0.715	0.659	0.010	7.8	
Carbazole	1.023	1.000		2.2	
2-Fluorophenol	1.785	1.761		1.3	
Phenol-d5	1.959	2.046		4.4	
Nitrobenzene-d5	0.426	0.419		1.6	
2-Fluorobiphenyl	1.305	1.242		4.8	
2,4,6-Tribromophenol	0.190	0.211		11.0	
Terphenyl-d14	1.238	1.130		8.7	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date: 09/29/97 Time: 0802

Lab File ID: JQ825 Init. Calib. Date(s): 09/23/97 09/23/97

Init. Calib. Times: 1818 2140

GC Column: RTX-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Phenol	1.781	1.941		9.0	30.0
Bis(2-chloroethyl)ether	2.899	3.668		26.5	
2-Chlorophenol	1.633	1.746		6.9	
1,3-Dichlorobenzene	1.690	1.782		5.4	
1,4-Dichlorobenzene	1.579	1.643		4.0	30.0
1,2-Dichlorobenzene	1.538	1.676		9.0	
2-Methylphenol	1.100	1.160		5.4	
bis(2-Chloroisopropyl)ether	1.591	1.719		8.0	
N-Nitroso-di-n-propylamine	1.052	1.169	0.050	11.1	
3&4-Methylphenol	1.555	1.779		14.4	
Hexachloroethane	0.662	0.780		17.8	
Nitrobenzene	0.383	0.392		2.3	
Isophorone	0.748	0.782		4.5	
2-Nitrophenol	0.235	0.243		3.4	30.0
2,4-Dimethyphenol	0.312	0.313		0.3	
Bis(2-chloroethoxy)methane	0.421	0.452		7.4	
2,4-Dichlorophenol	0.280	0.290		3.6	30.0
1,2,4-Trichlorobenzene	0.285	0.280		1.8	
Naphthalene	0.988	1.040		5.3	
4-Chloroaniline	0.463	0.446		3.7	
Hexachlorobutadiene	0.156	0.164		5.1	30.0
4-Chloro-3-Methylphenol	0.305	0.322		5.6	30.0
2-Methylnaphthalene	0.673	0.681		1.2	
Hexachlorocyclopentadiene	0.358	0.430	0.050	20.1	
2,4,6-Trichlorophenol	0.405	0.411		1.5	30.0
2,4,5-Trichlorophenol	0.409	0.448		9.5	
2-Chloronaphthalene	1.177	1.209		2.7	
2-Nitroaniline	0.476	0.512		7.6	
Acenaphthylene	1.963	2.066		5.2	
2,6-Dinitrotoluene	0.325	0.333		2.5	
3-Nitroaniline	0.451	0.478		6.0	
Acenaphthene	1.128	1.176		4.2	30.0
2,4-Dinitrophenol	0.184	0.229	0.050	24.4	
Dibenzofuran	1.529	1.555		1.7	
4-Nitrophenol	0.280	0.293	0.050	4.6	
2,4-Dinitrotoluene	0.467	0.492		5.4	
Fluorene	1.144	1.209		5.7	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: SAVANNAH LABORATORIES Contract:

Lab Code: SL Case No.: SAS No.: SDG No.: PEN15

Instrument ID: MSJ5971 Calibration Date: 09/29/97 Time: 0802

Lab File ID: JQ825 Init. Calib. Date(s): 09/23/97 09/23/97

Init. Calib. Times: 1818 2140

GC Column: RTX-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Dimethylphthalate	1.410	1.483		5.2	
Diethylphthalate	1.486	1.622		9.2	
4-Chlorophenyl-phenylether	0.472	0.522		10.6	
4-Nitroaniline	0.449	0.439		2.2	
4,6-Dinitro-2-methylphenol	0.146	0.180		23.3	
N-Nitrosodiphenylamine	0.523	0.540		3.2	30.0
4-Bromophenyl-phenylether	0.226	0.236		4.4	
Hexachlorobenzene	0.233	0.234		0.4	
Pentachlorophenol	0.187	0.188		0.5	30.0
Phenanthrene	0.977	1.031		5.5	
Anthracene	0.949	0.969		2.1	
Di-n-Butylphthalate	1.664	1.672		0.5	
Fluoranthene	1.030	1.029		0.1	30.0
Pyrene	1.826	2.087		14.3	
Butylbenzylphthalate	1.153	1.178		2.2	
Benzo(a)Anthracene	1.386	1.454		4.9	
3,3'-Dichlorobenzidine	0.347	0.354		2.0	
Chrysene	1.183	1.243		5.1	
Bis(2-ethylhexyl)phthalate	1.271	1.315		3.5	
Di-n-octylphthalate	2.832	2.824		0.3	30.0
Benzo(b)fluoranthene	1.557	1.578		1.3	
Benzo(k)fluoranthene	1.369	1.477		7.9	
Benzo(a)pyrene	1.202	1.258		4.6	30.0
Indeno(1,2,3-cd)pyrene	0.786	0.823		4.7	
Dibenzo(a,h)anthracene	0.679	0.717		5.6	
Benzo(g,h,i)perylene	0.715	0.783	0.010	9.5	
Carbazole	1.023	0.979		4.3	
2-Fluorophenol	1.785	1.754		1.7	
Phenol-d5	1.959	2.041		4.2	
Nitrobenzene-d5	0.426	0.412		3.3	
2-Fluorobiphenyl	1.305	1.235		5.4	
2,4,6-Tribromophenol	0.190	0.208		9.5	
Terphenyl-d14	1.238	1.183		4.4	

SAMPLE DATA

SAVANNAH LABORATORIES

Semivolatile REPORT SW-846 Method 8270

Data file : /chem/SM/MSJ5971.i/1j0929.b/J5294.d
Lab Smp Id: 041J18B101 Client Smp ID: 75281-3
Inj Date : 29-SEP-97 08:58:00
Operator : MS72 Inst ID: MSJ5971.i
Smp Info : 09.29.97 QSM0923G S
Misc Info : 75281-3=4 041J18B101 MSJ [1J0929]
Comment :
Method : /chem/SM/MSJ5971.i/1j0929.b/j-b8270-m.m
Meth Date : 29-Sep-97 18:37:30 hgibbons Quant Type: ISTD
Cal Date : 23-SEP-97 18:18:00 Cal File: JQ812.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tcl{sp}.sub
Target Version: 3.30
Processing Host: cserver1

Concentration Formula: 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC

Name	Value	Description
Vi	1.000	Injection Volume
Vt	0.500	Final Volume
Ws	30.000	Weight Extracted
M	0.000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.001	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	2.000	GPC factor

✓ KLB 8.11.98

Compounds	QUANT SIM MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 1 1,4-Dichlorobenzene-d4	152	5.638	5.642	(1.000)	166421	40.0000	
5 2-Fluorophenol	112	4.696	4.692	(0.833)	247021	33.2635	1100
6 Phenol-d5	99	5.343	5.348	(0.948)	376618	46.1991	1500
* 20 Naphthalene-d8	136	7.119	7.125	(1.000)	680271	40.0000	
21 Nitrobenzene-d5	82	6.217	6.232	(0.873)	117998	16.2794	540
* 36 Acenaphthene-d10	164	10.620	10.617	(1.000)	317875	40.0000	
40 2-Fluorobiphenyl	172	9.060	9.078	(0.853)	245414	23.6622	790
54 2,4,6-Tribromophenol	330	12.680	12.690	(1.194)	78159	51.6563	1700
* 59 Phenanthrene-d10	188	14.516	14.525	(1.000)	420839	40.0000	
* 72 Chrysene-d12	240	22.326	22.315	(1.000)	97631	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
$ 74 Terphenyl-d14	244	19.313	19.301	(0.865)	108105	35.7611	1200
78 Bis(2-ethylhexyl)phthalate	149	22.762	22.728	(1.020)	8537	2.75277	92(a)
* 80 Perylene-d12	264	26.266	26.256	(1.000)	58468	40.0000	

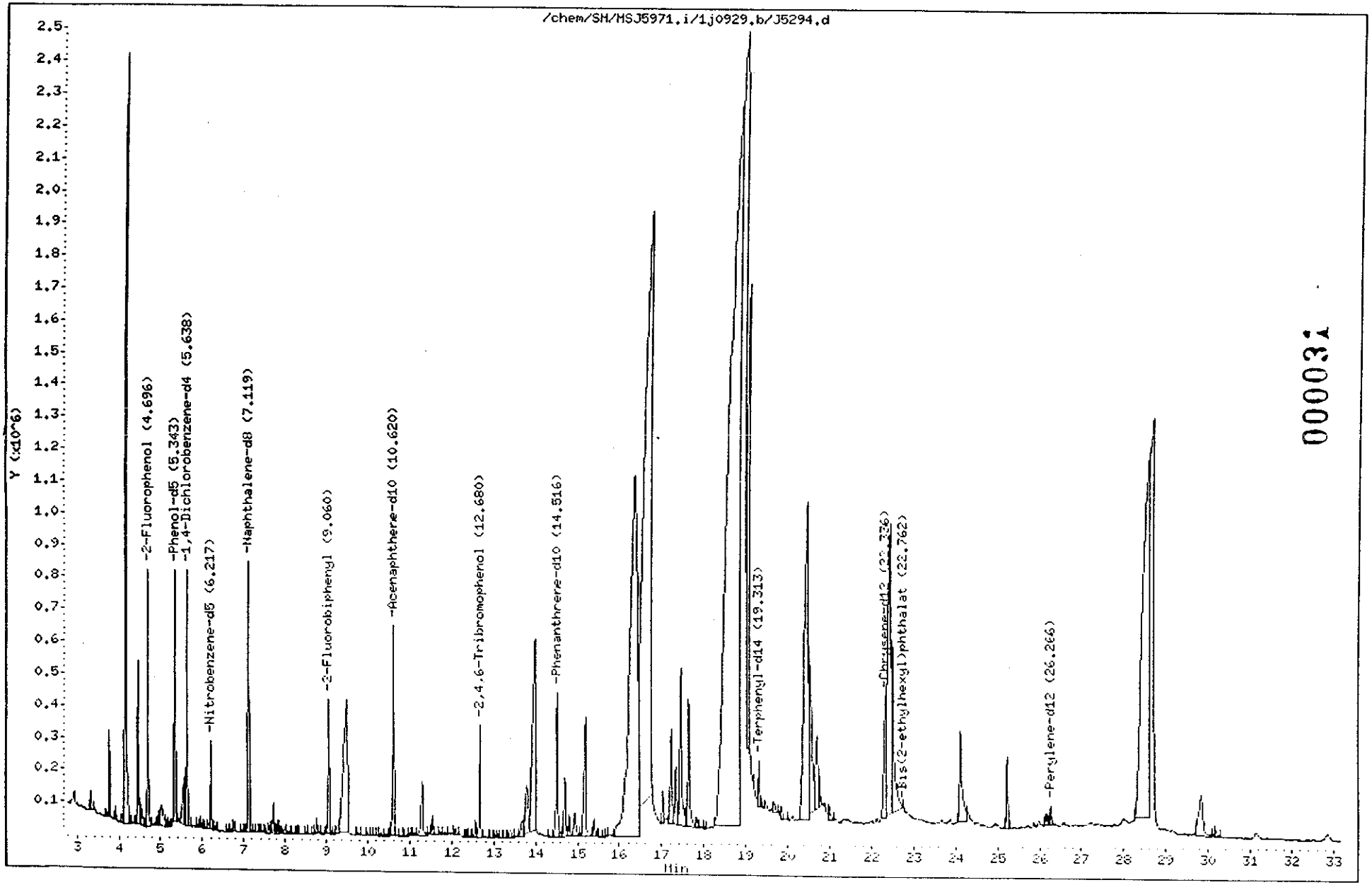
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/SH/MSJ5971.i/1j0929.b/J5294.d
Date : 29-SEP-97 08:58:00
Client ID: 75281-3
Sample Info: 09.29.97 QSM0923G S
Volume Injected (uL): 1.0
Column phase: RTX-5MS

Instrument: MSJ5971.i

Operator: MS72
Column diameter: 0.25



000031

Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM0923G S

Volume Injected (uL): 1.0

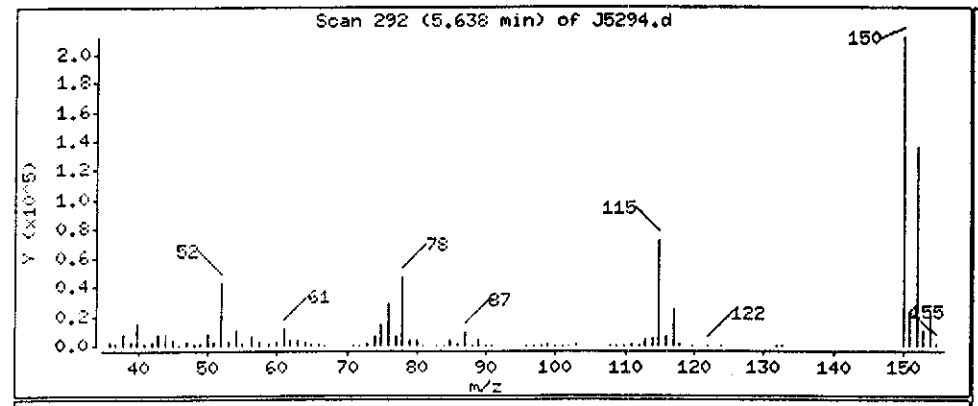
Operator: MS72

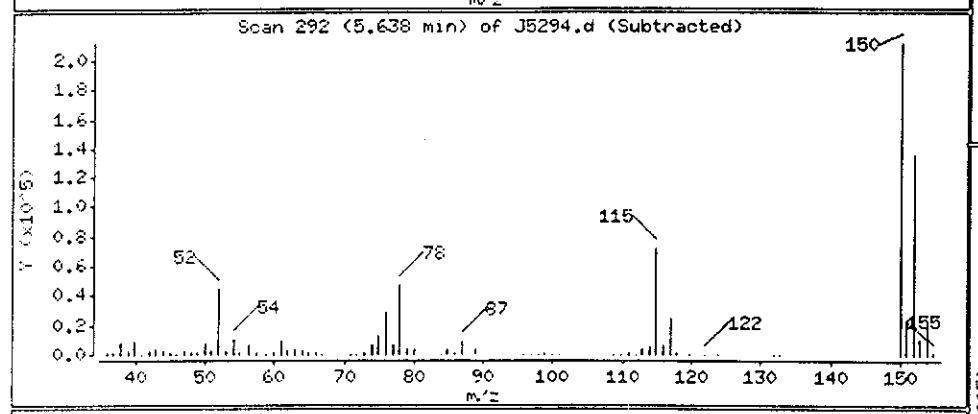
Column phase: RTX-5MS

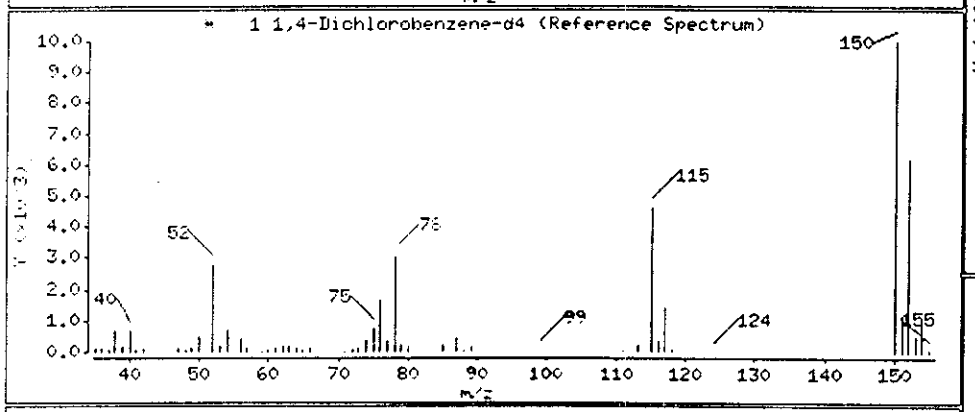
Column diameter: 0.25

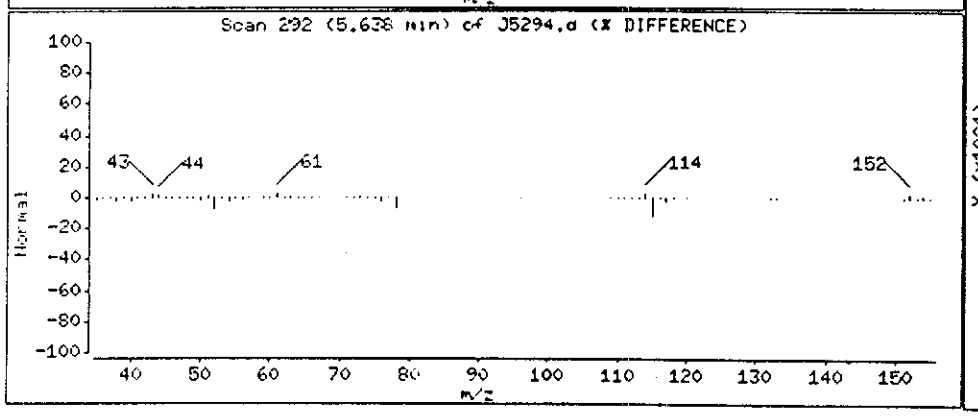
* 1 1,4-Dichlorobenzene-d4

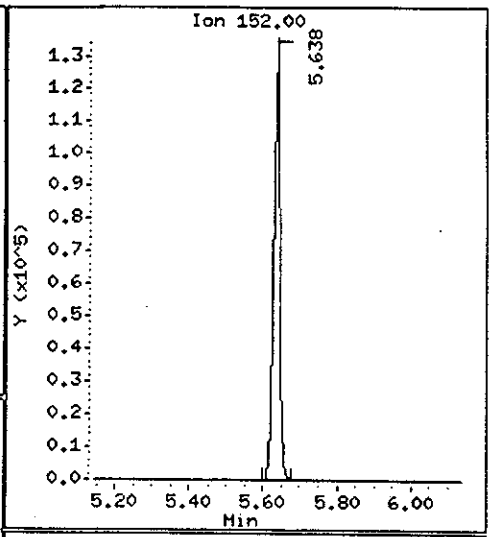
Concentration: 1300 ug/Kg

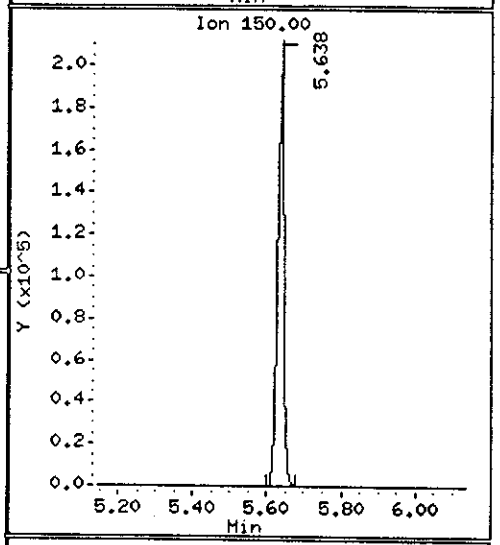


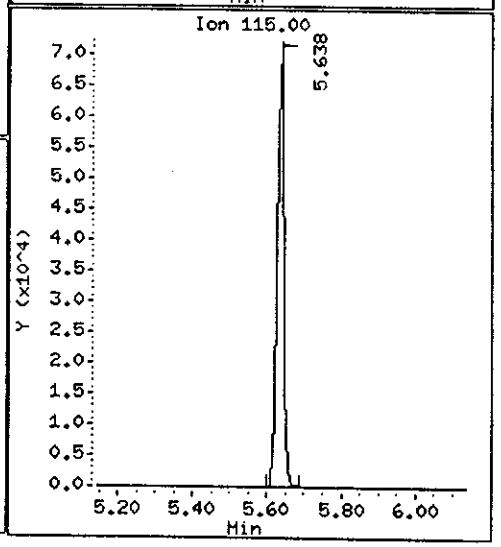












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM0923G S

Volume Injected (uL): 1.0

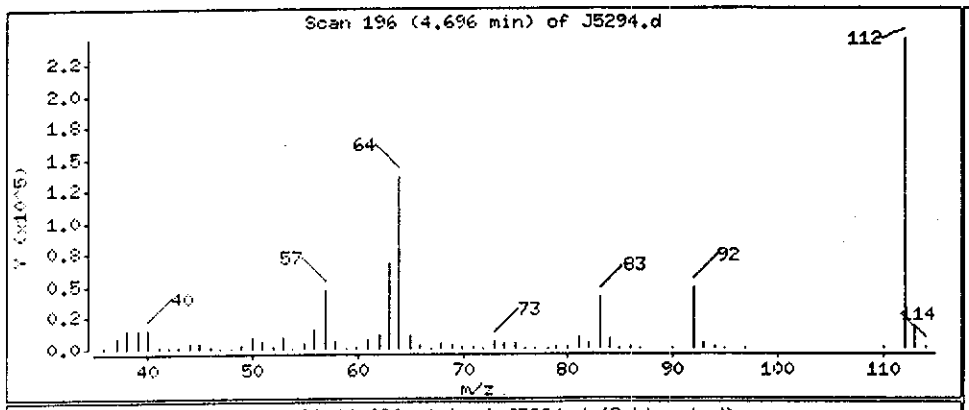
Operator: MS72

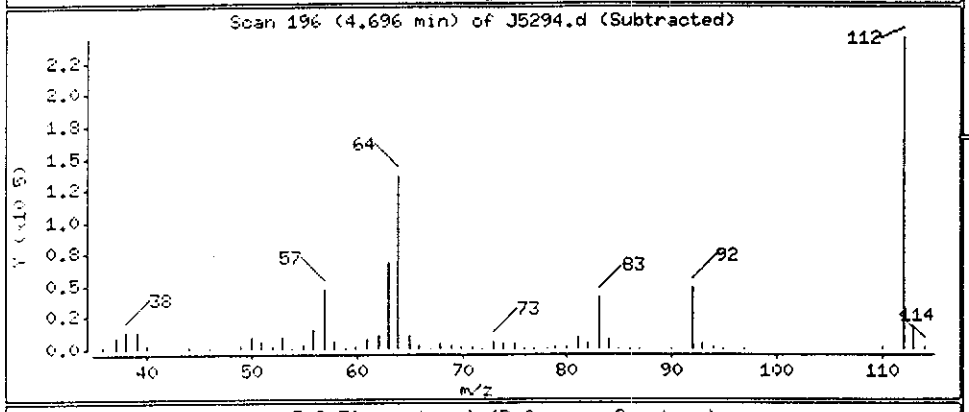
Column phase: RTX-5MS

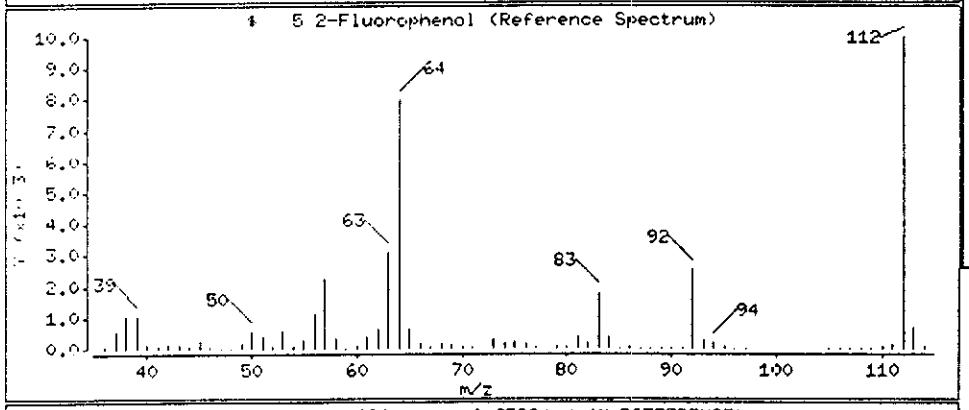
Column diameter: 0.25

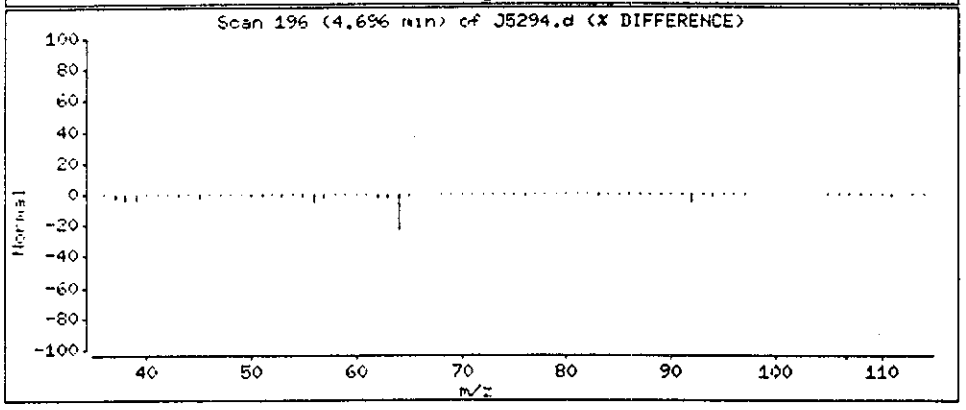
* 5 2-Fluorophenol

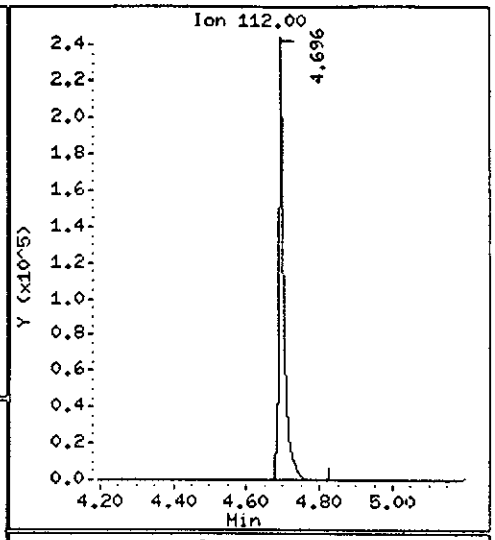
Concentration: 1100 ug/Kg

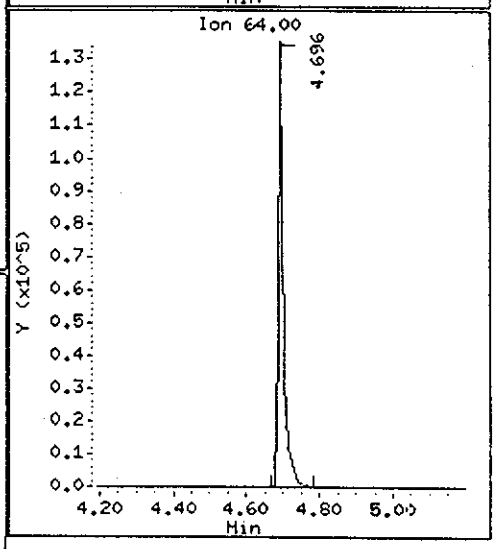












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM09230 S

Volume Injected (uL): 1.0

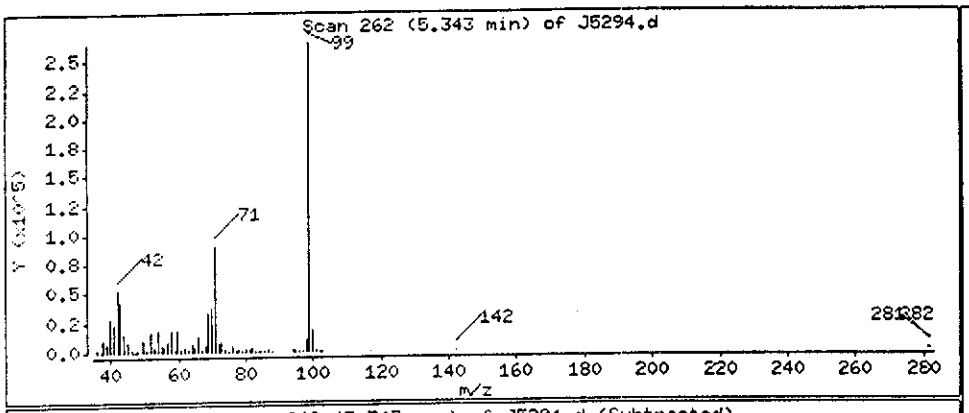
Operator: MS72

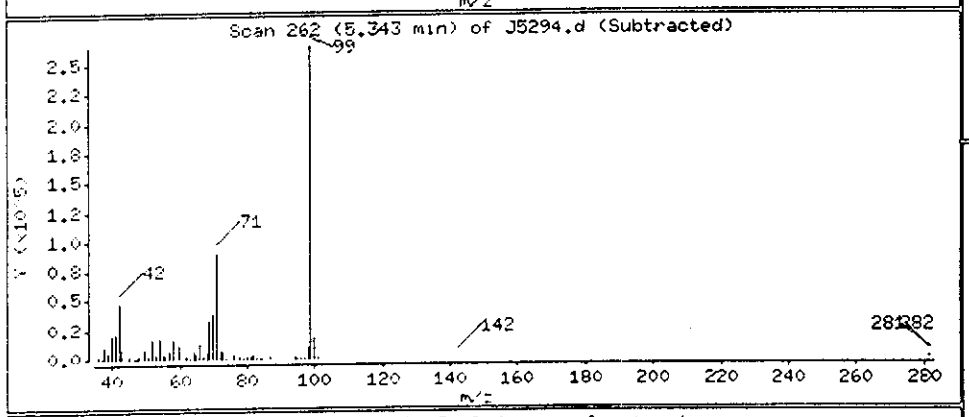
Column phase: RTX-5MS

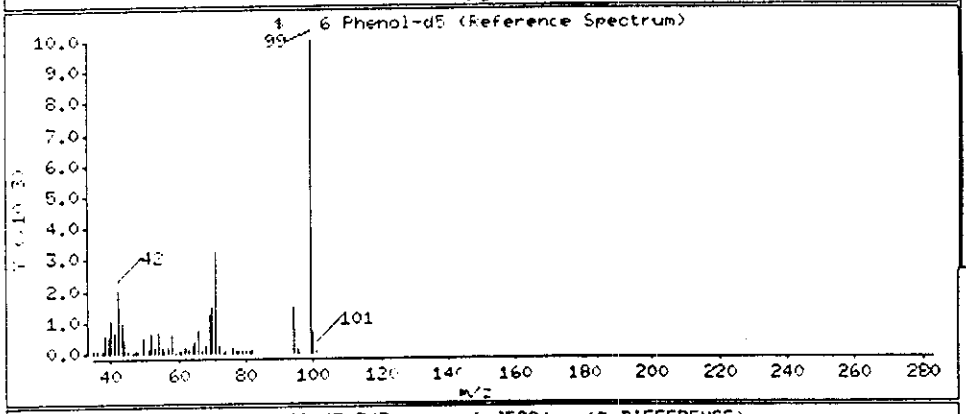
Column diameter: 0.25

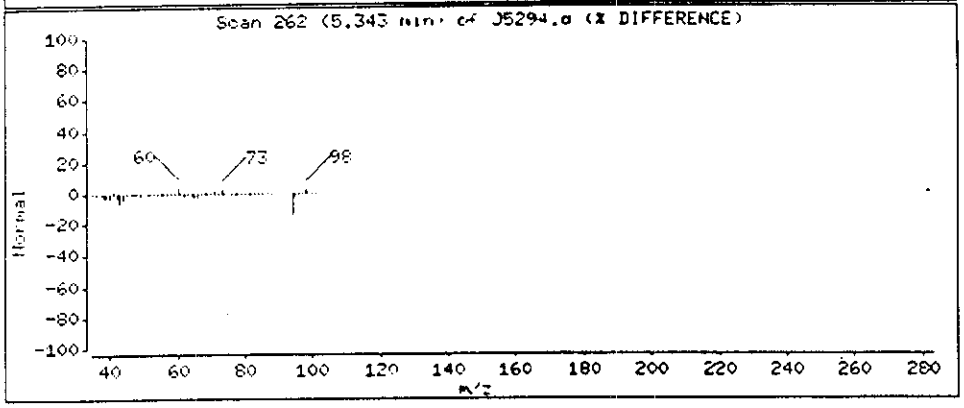
Concentration: 1500 ug/Kg

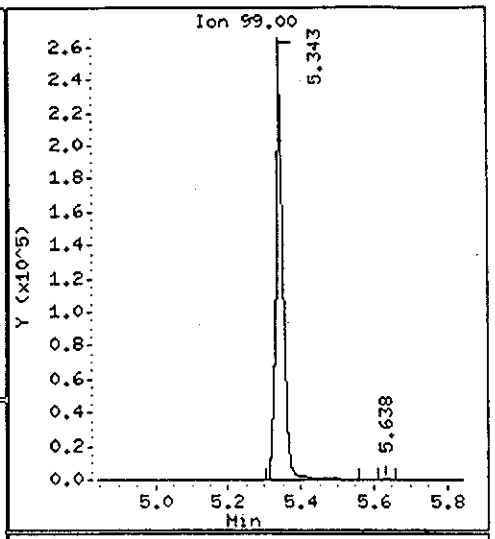
$ 6 Phenol-d5

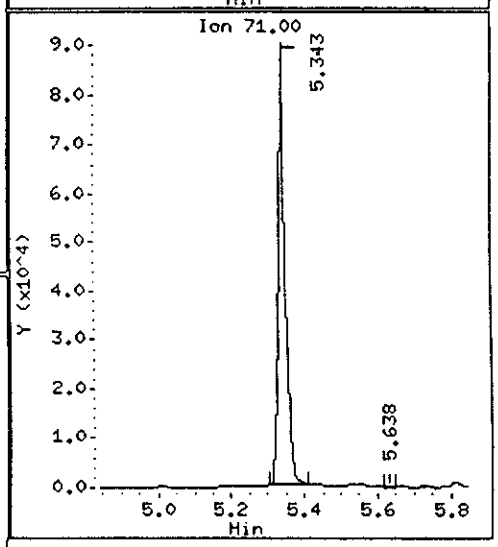












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSN0923C S

Volume Injected (uL): 1.0

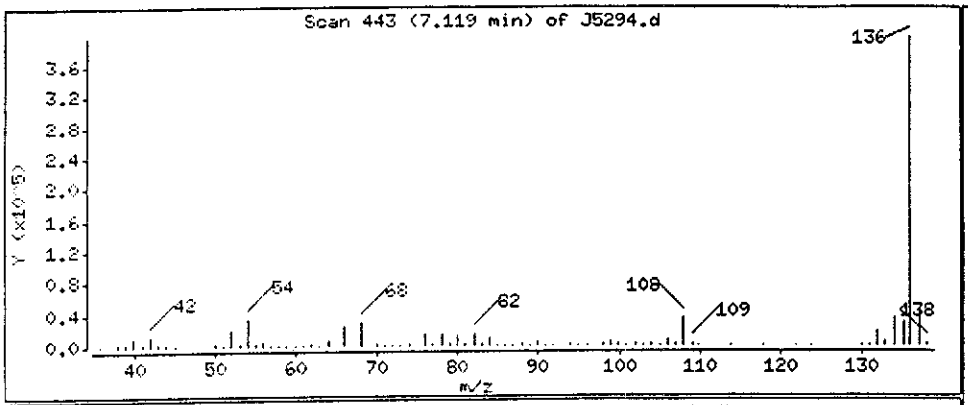
Operator: MS72

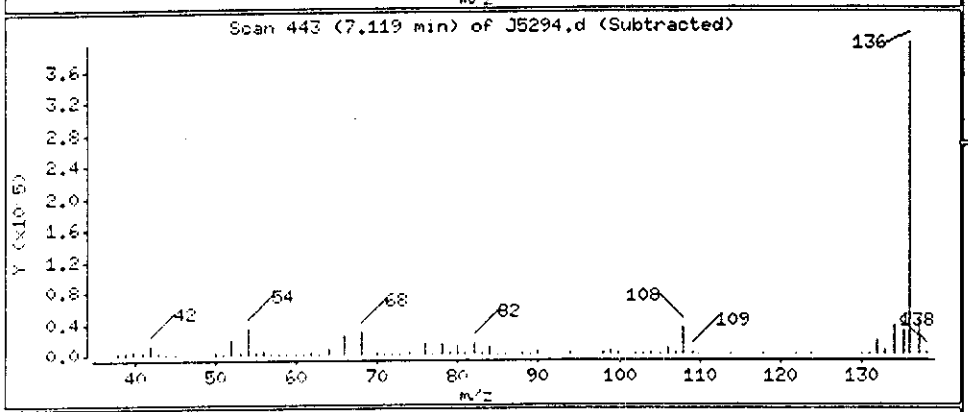
Column phase: RTX-5MS

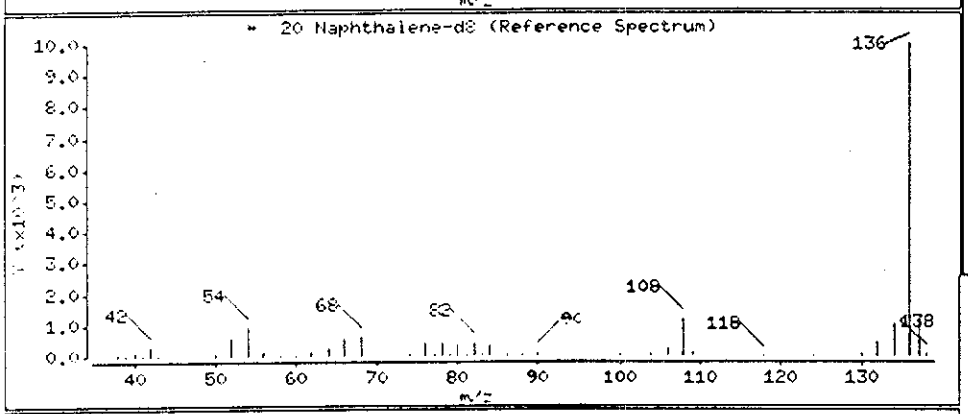
Column diameter: 0.25

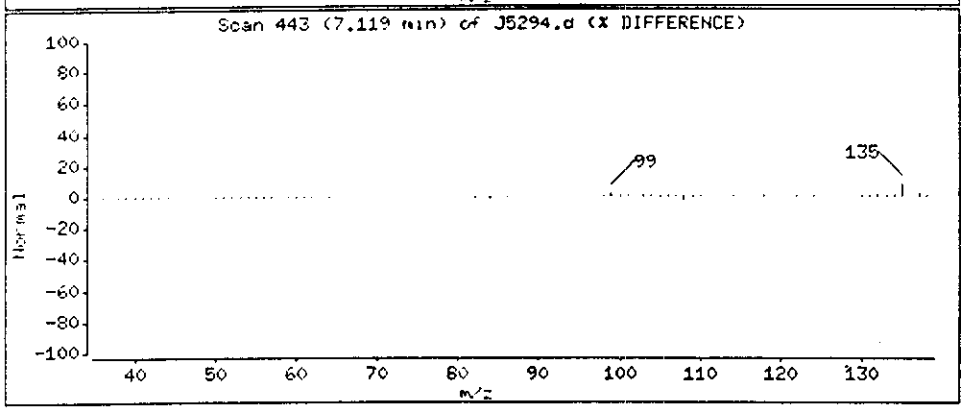
* 20 Naphthalene-d8

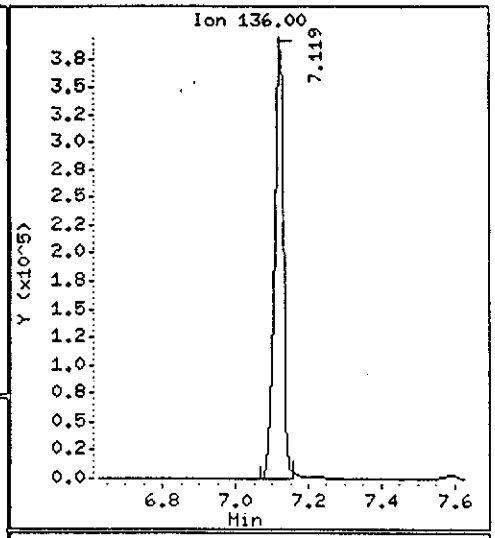
Concentration: 1300 ug/Kg

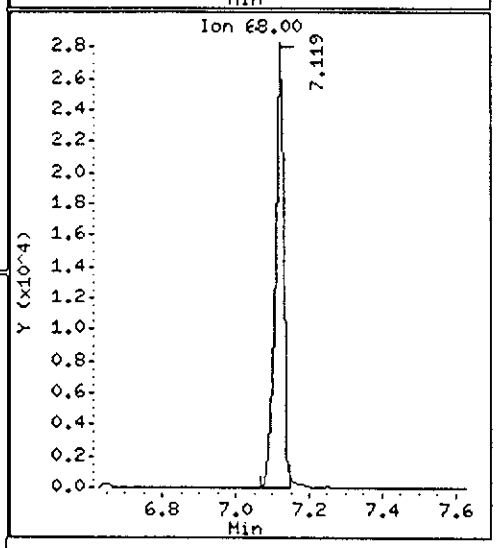












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM0923G S

Volume Injected (uL): 1.0

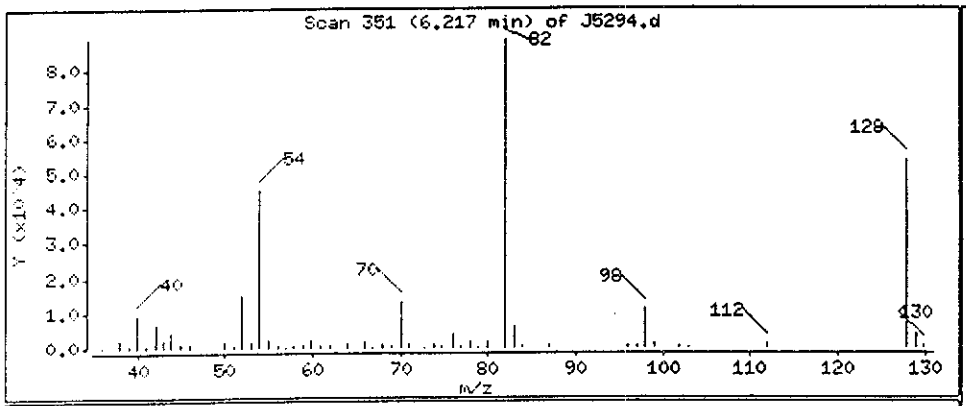
Operator: MS72

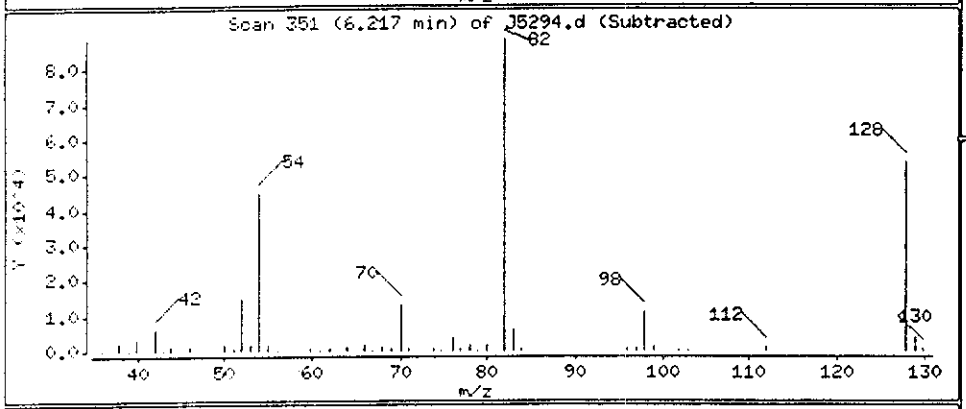
Column phase: RTX-5MS

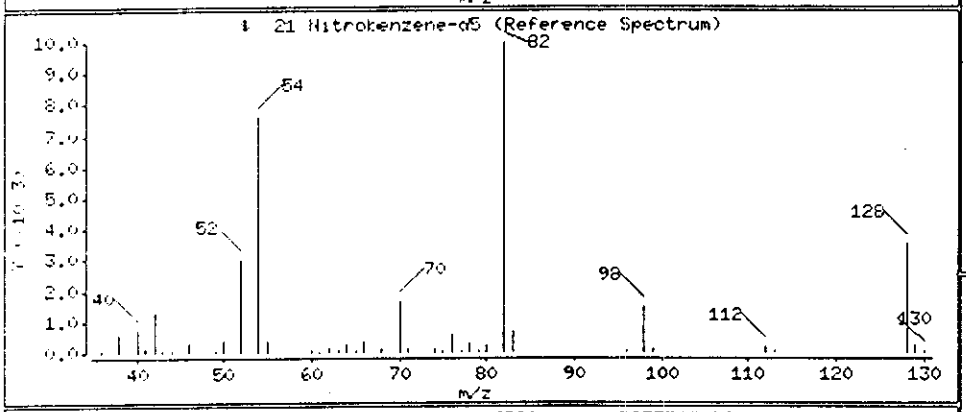
Column diameter: 0.25

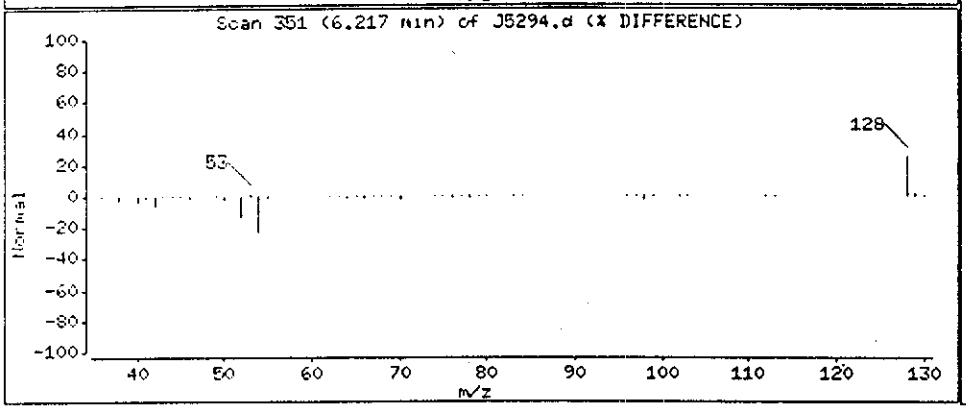
$ 21 Nitrobenzene-d5

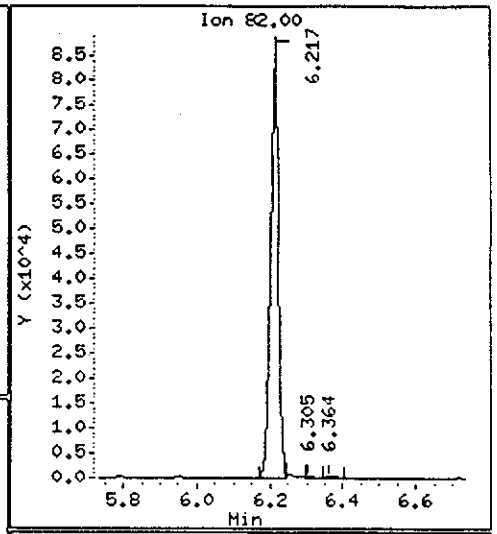
Concentration: 540 ug/Kg

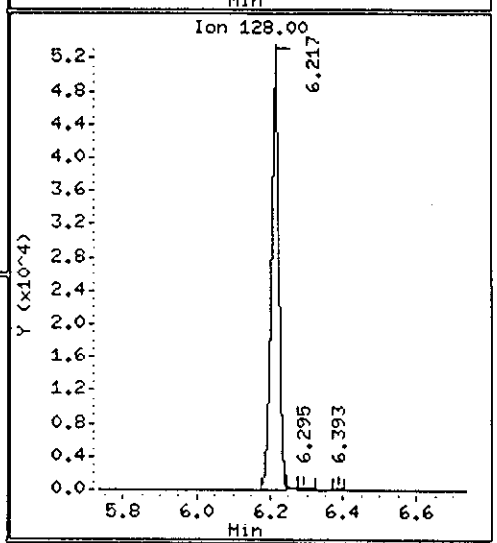


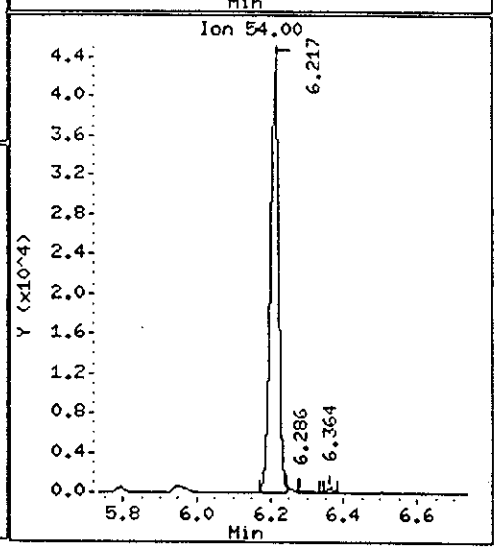












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Sample Info: 09.29.97 QSM09230 S

Volume Injected (uL): 1.0

Column phase: RTX-5MS

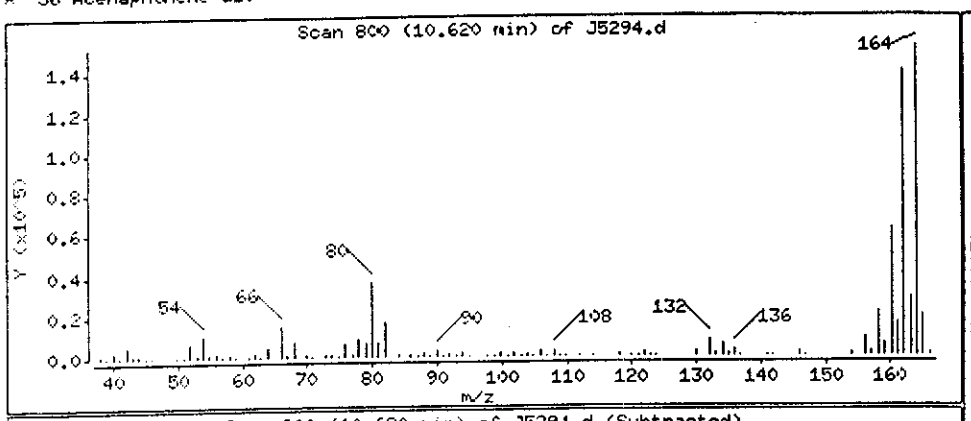
Instrument: MSJ5971.i

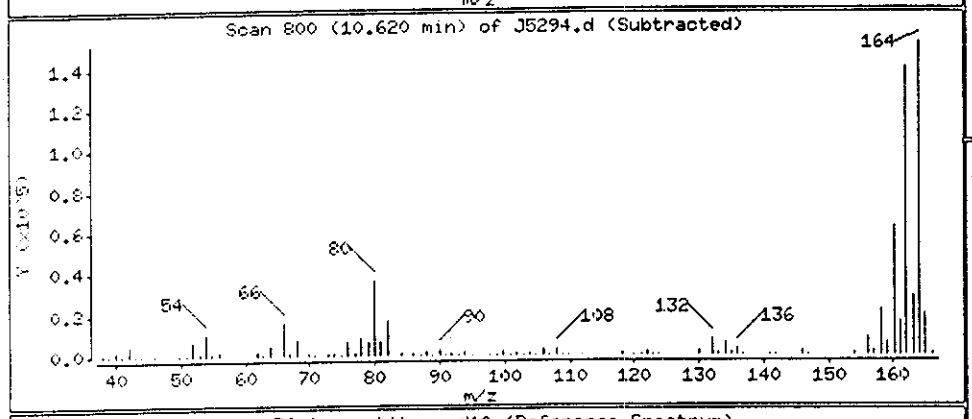
Operator: MS72

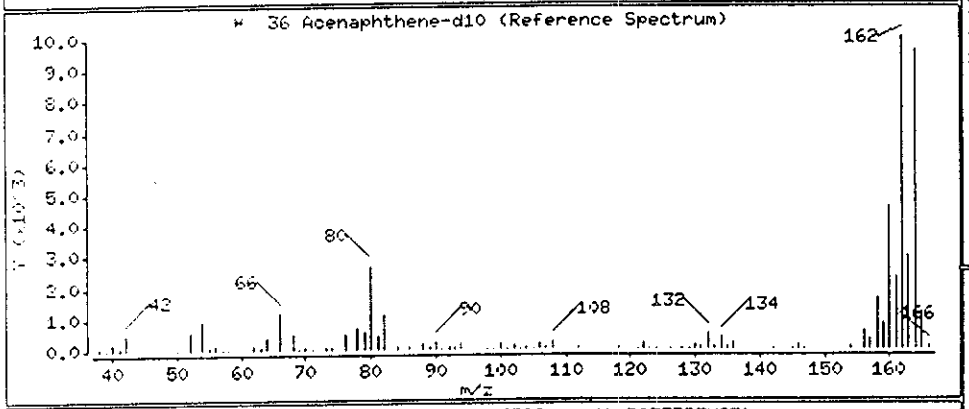
Column diameter: 0.25

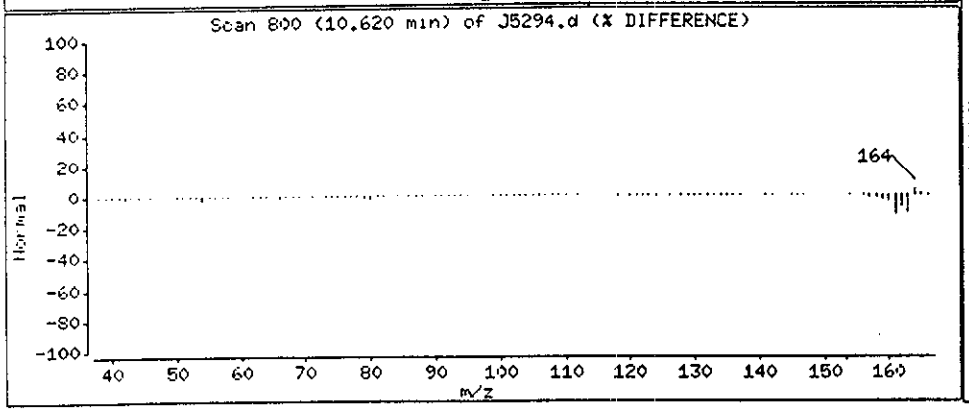
Concentration: 1300 ug/Kg

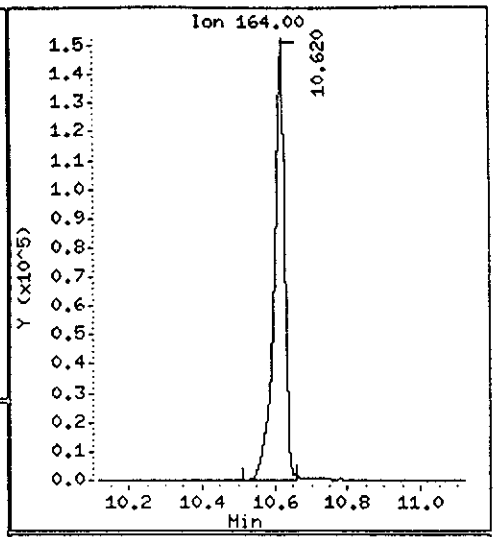
* 36 Acenaphthene-d10

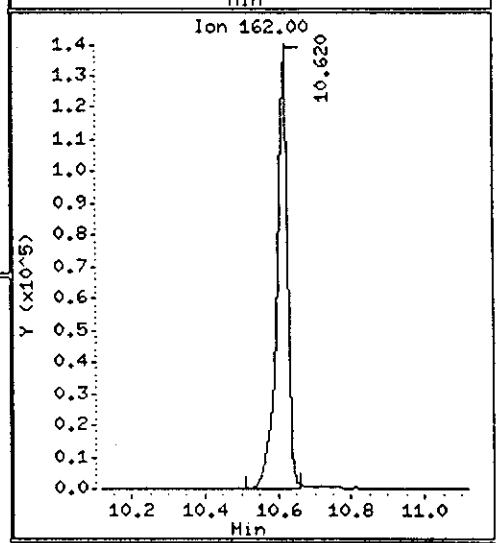


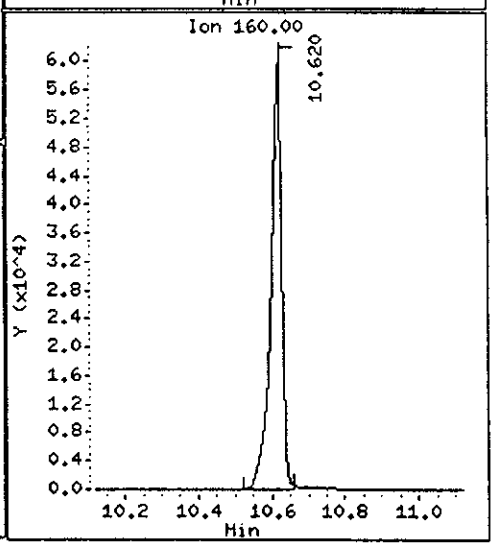












Data File: /chem/SH/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Sample Info: 09.29.97 QSM09230 S

Volume Injected (uL): 1.0

Column phase: RTX-5MS

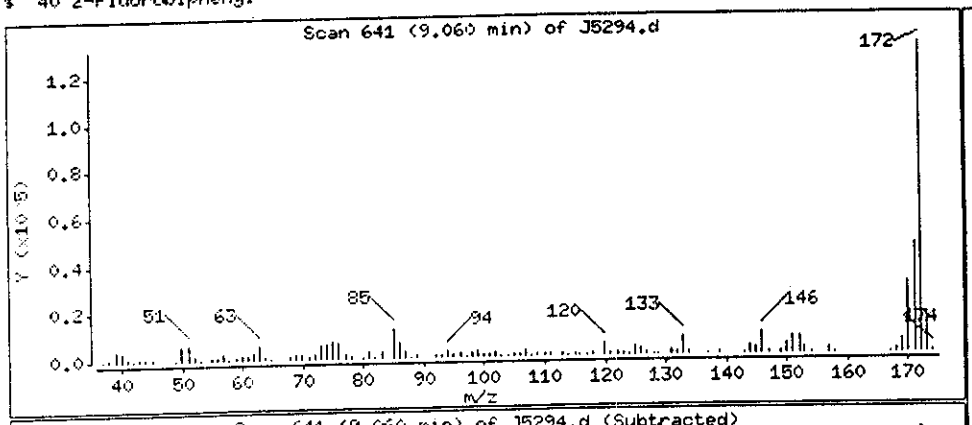
Instrument: MSJ5971.i

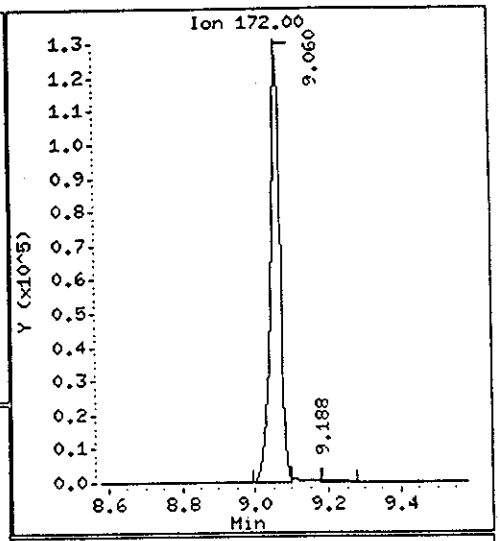
Operator: MS72

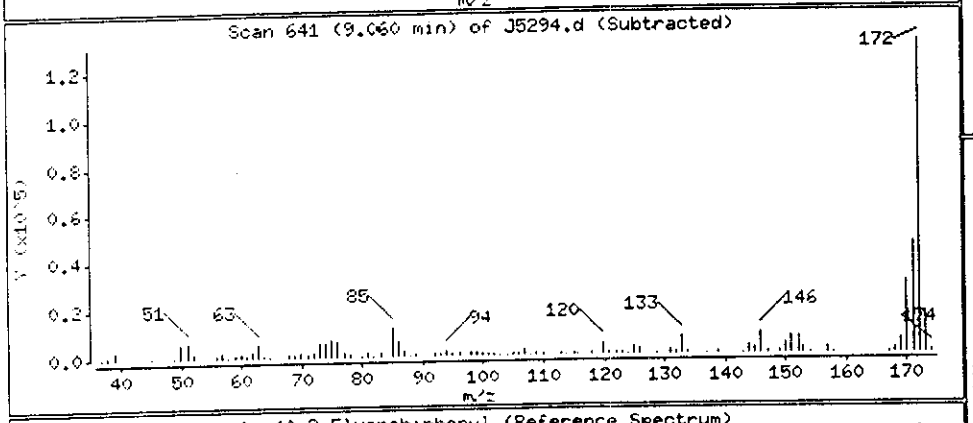
Column diameter: 0.25

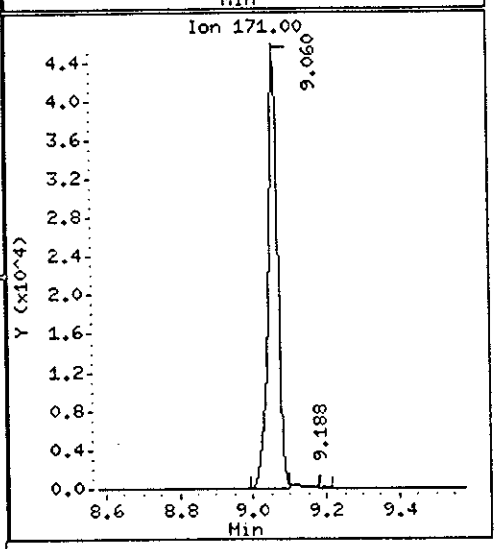
Concentration: 790 ug/Kg

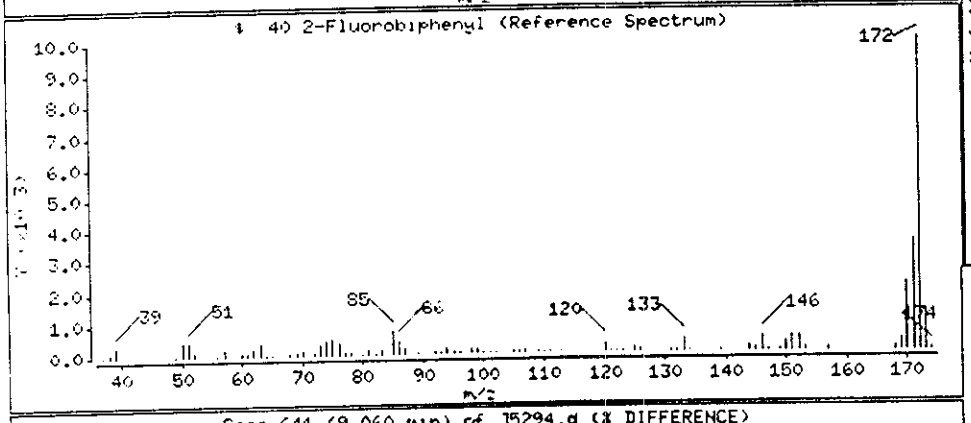
$ 40 2-Fluorobiphenyl

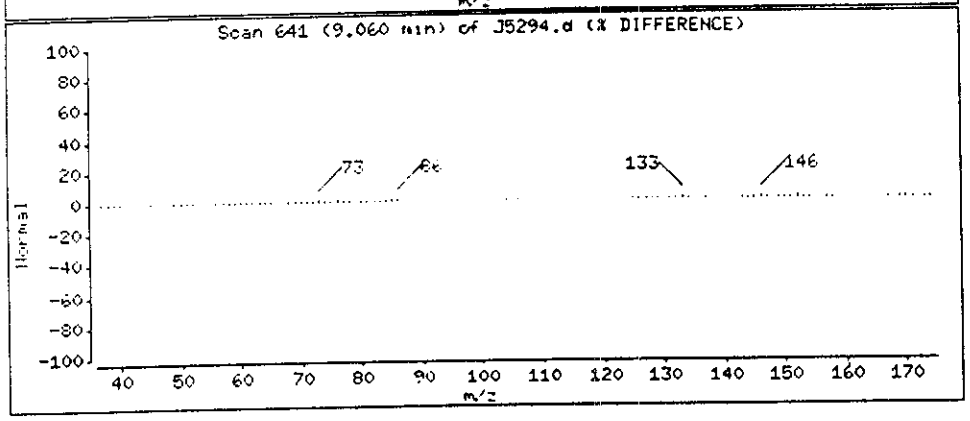












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM09230 S

Volume Injected (uL): 1.0

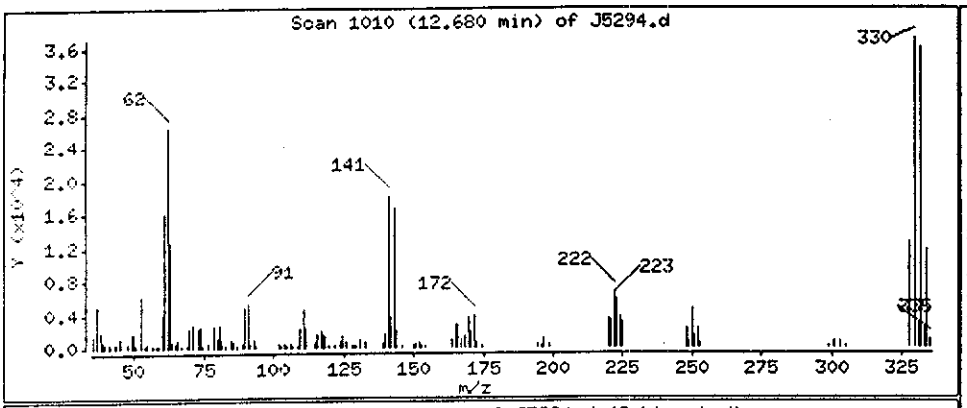
Operator: MS72

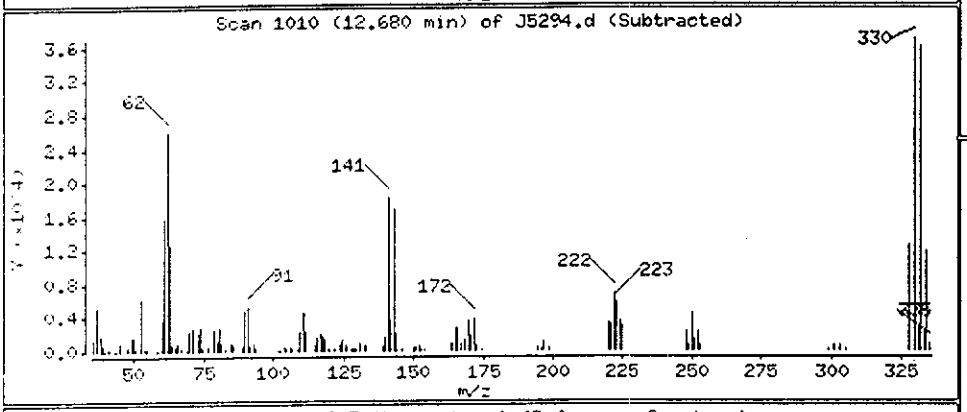
Column phase: RTX-5MS

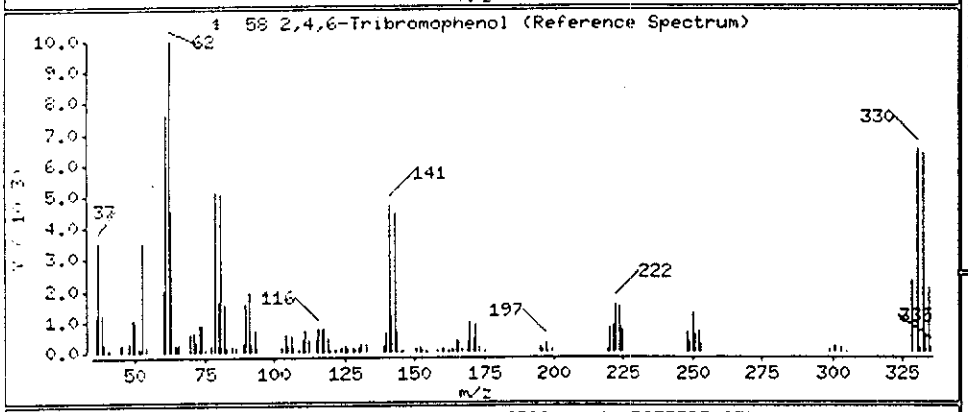
Column diameter: 0.25

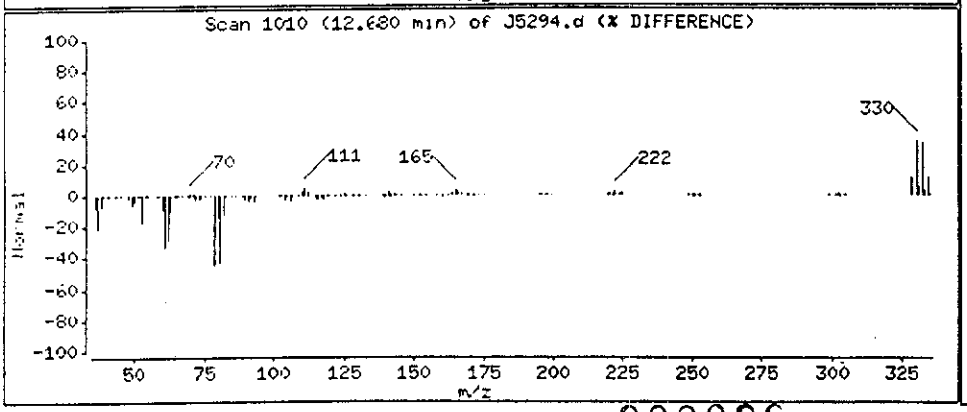
‡ 58 2,4,6-Tribromophenol

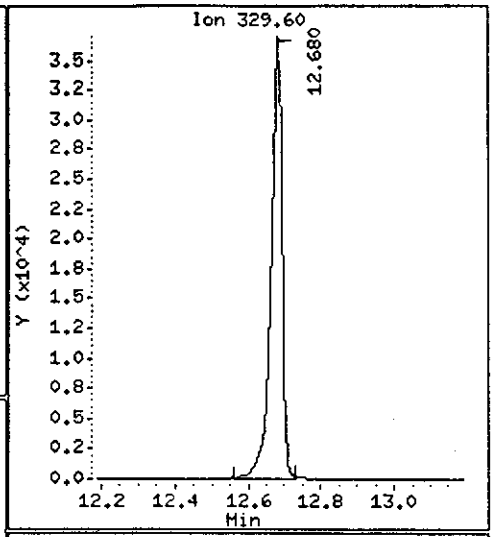
Concentration: 1700 ug/Kg

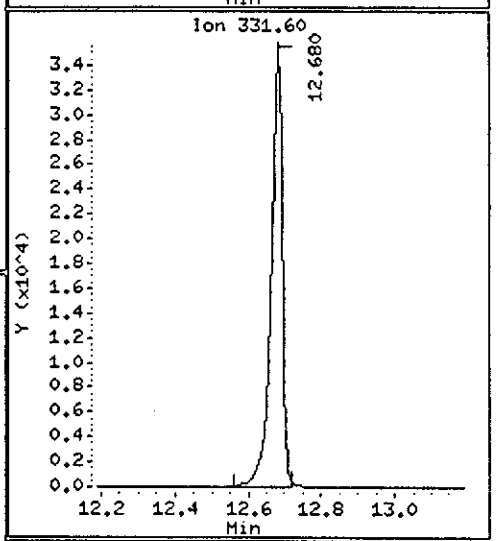


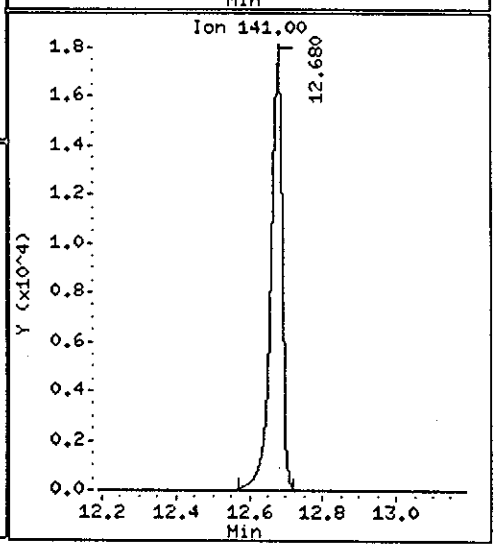












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM09230 S

Volume Injected (uL): 1.0

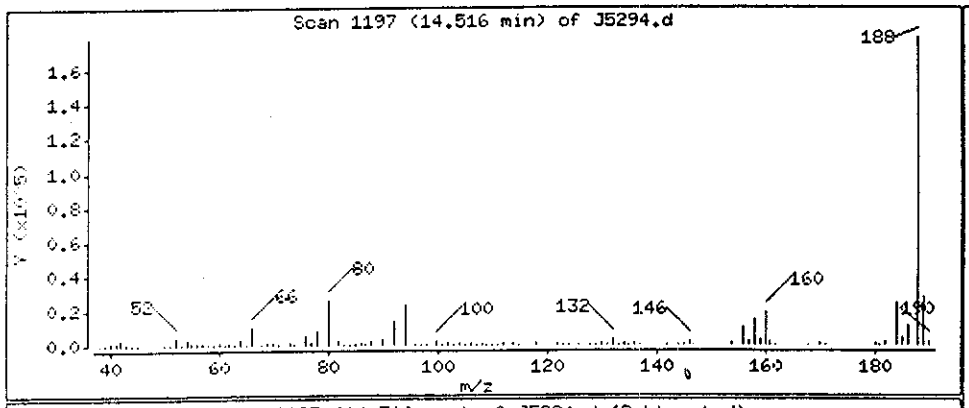
Operator: MS72

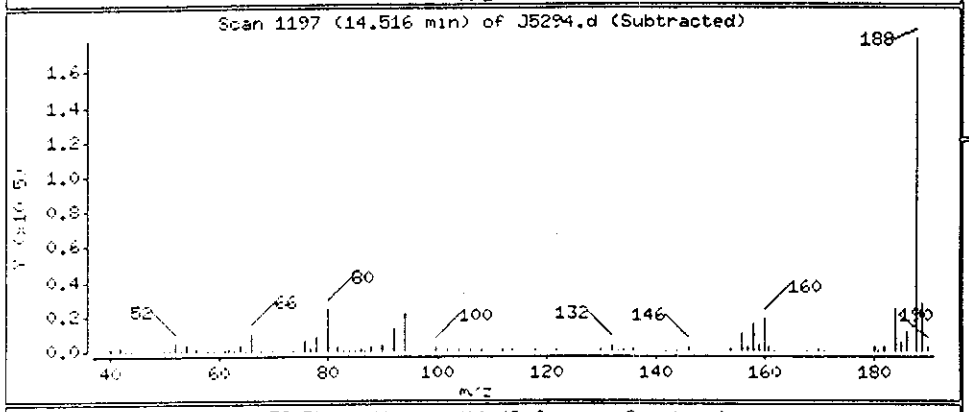
Column phase: RTX-5MS

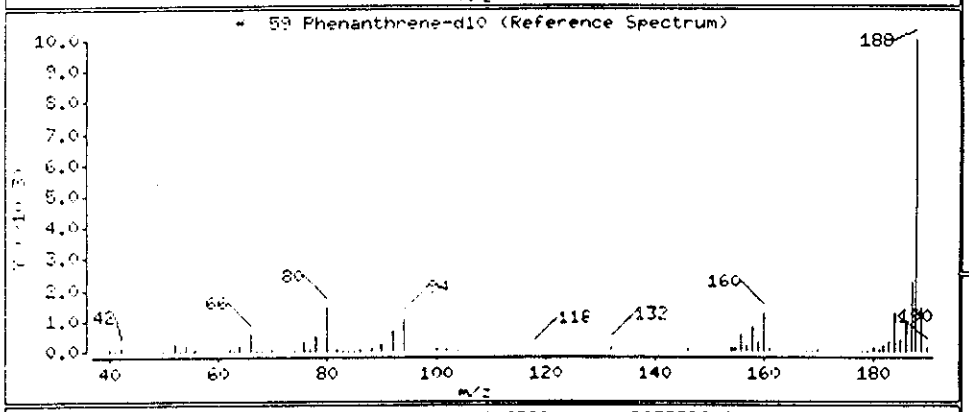
Column diameter: 0.25

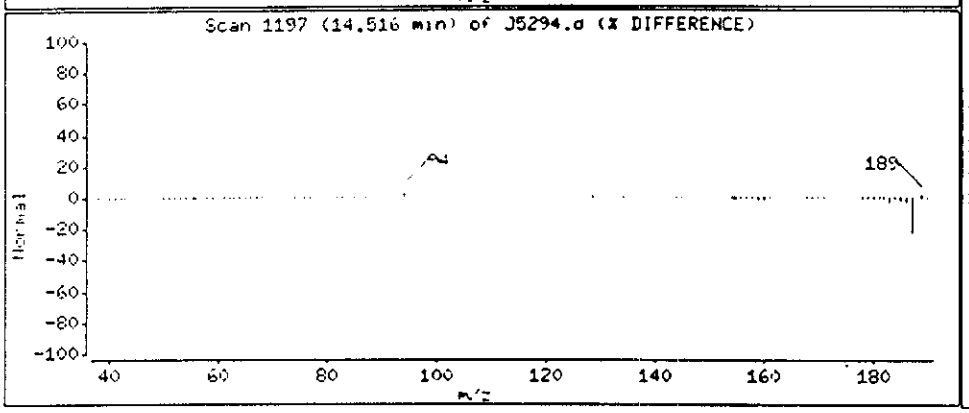
* 59 Phenanthrene-d10

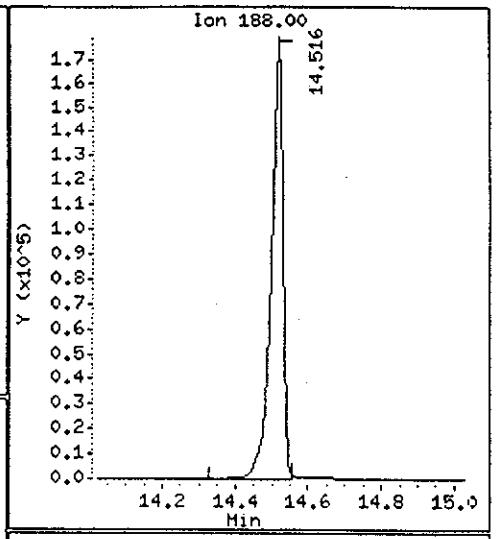
Concentration: 1300 ug/Kg

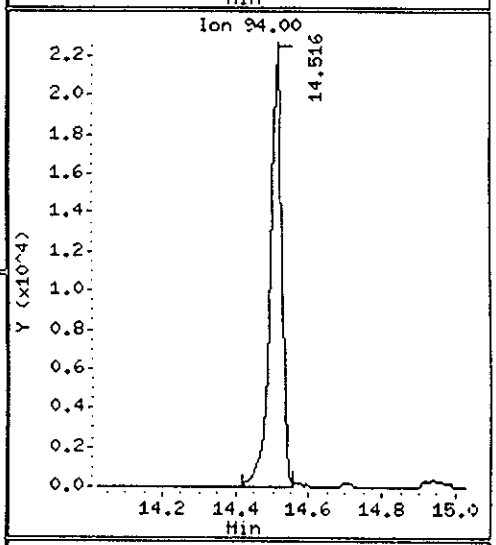


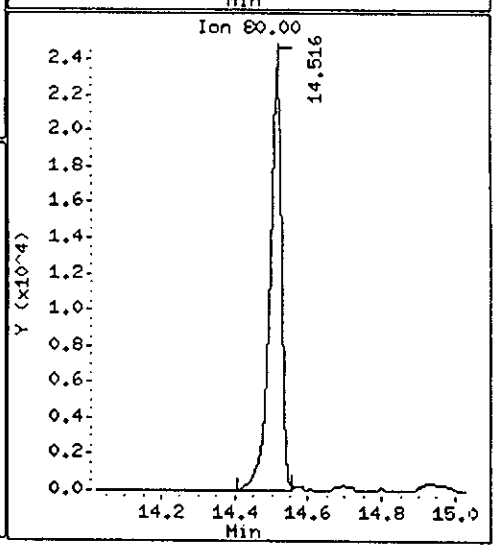












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 OSM09230 S

Volume Injected (uL): 1.0

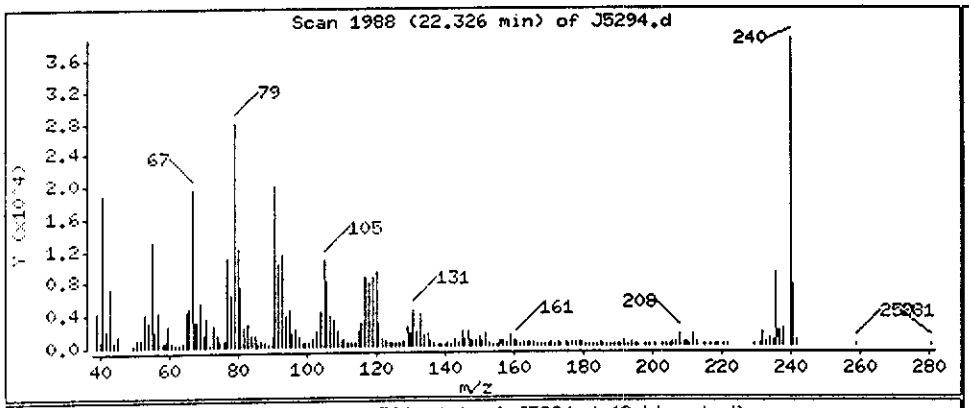
Operator: MS72

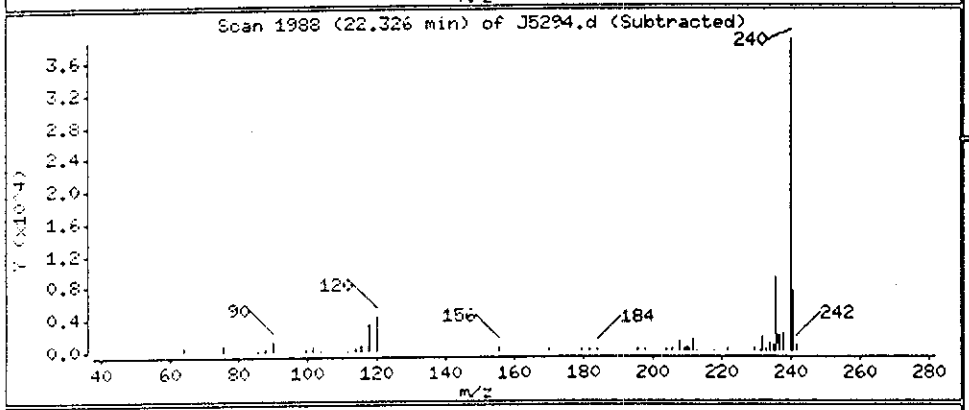
Column phase: RTX-5MS

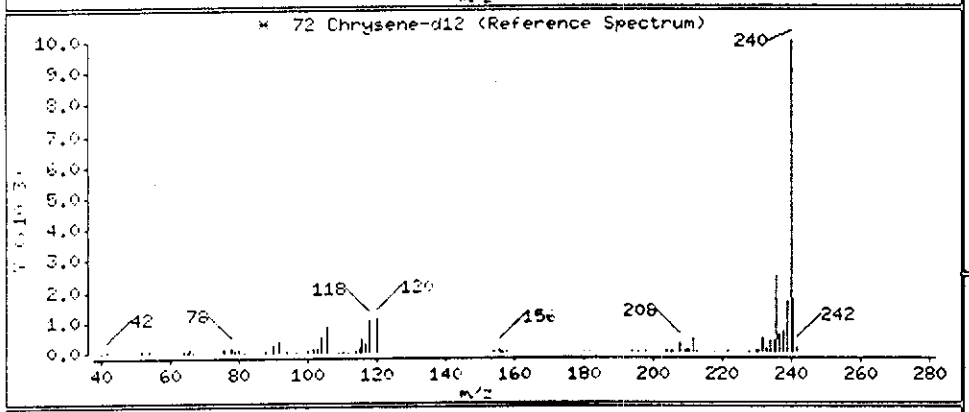
Column diameter: 0.25

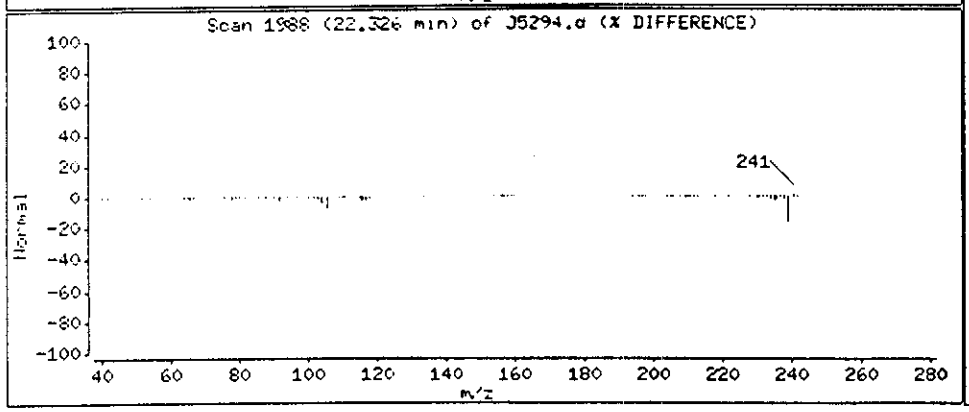
* 72 Chrysene-d12

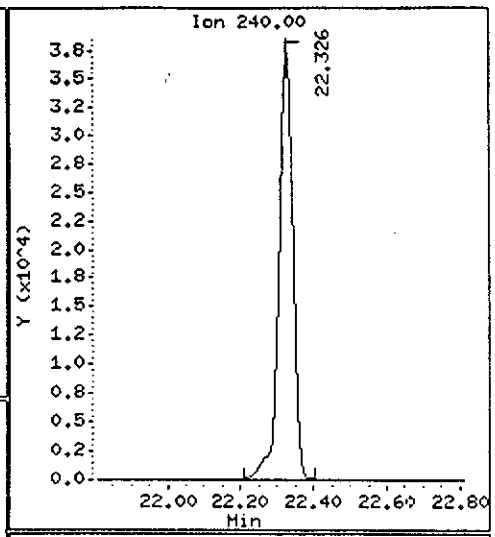
Concentration: 1300 ug/Kg

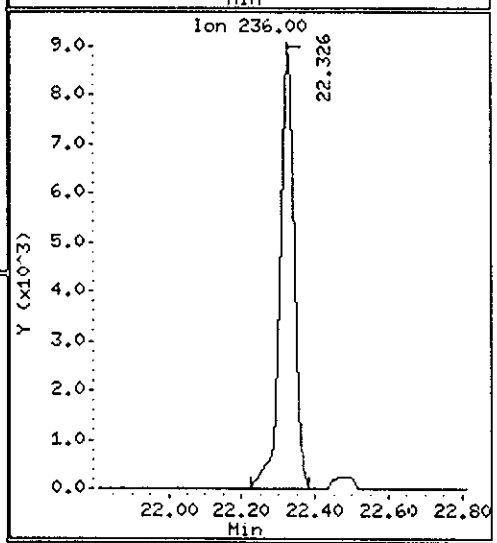


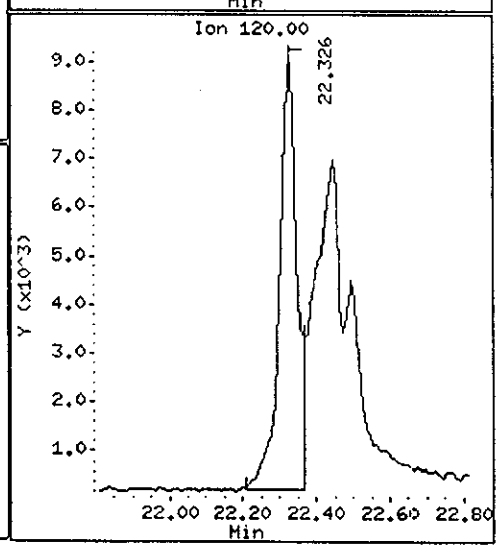












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Sample Info: 09.29.97 QSM0923G S

Volume Injected (uL): 1.0

Column phase: RTX-5MS

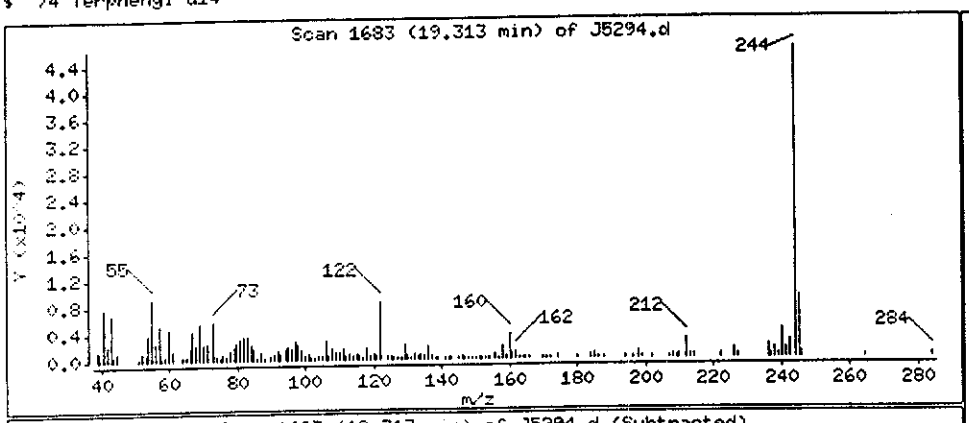
Instrument: MSJ5971.i

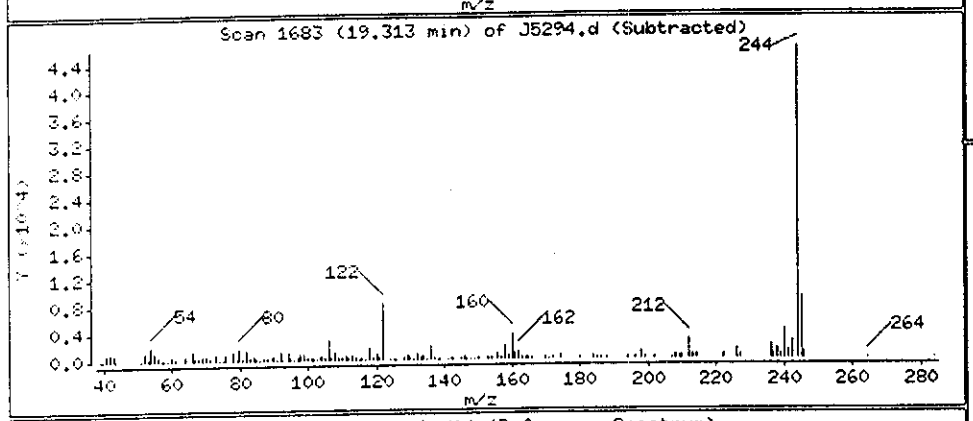
Operator: MS72

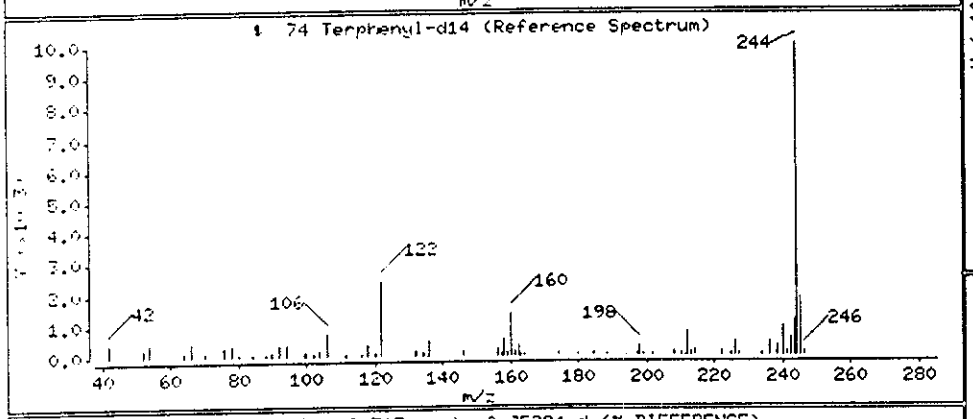
Column diameter: 0.25

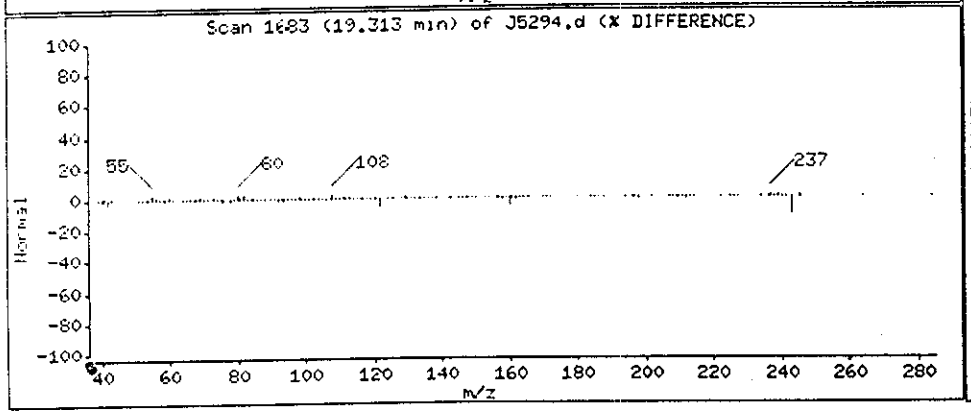
Concentration: 1200 ug/Kg

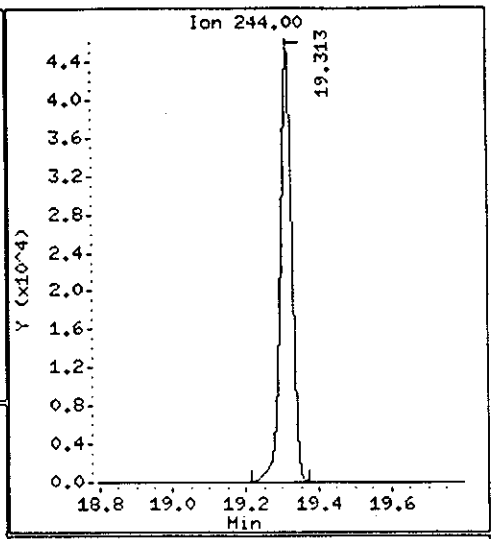
$ 74 Terphenyl-d14

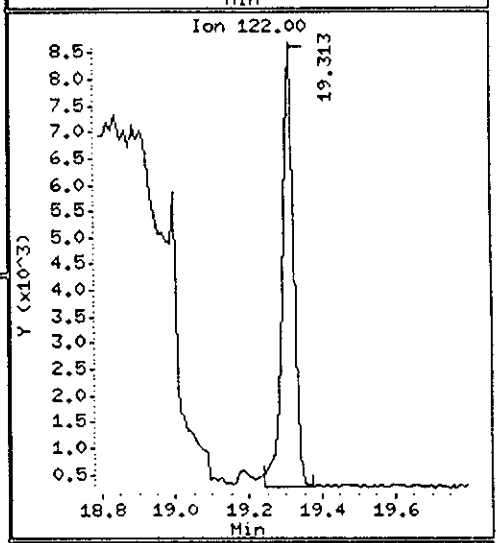


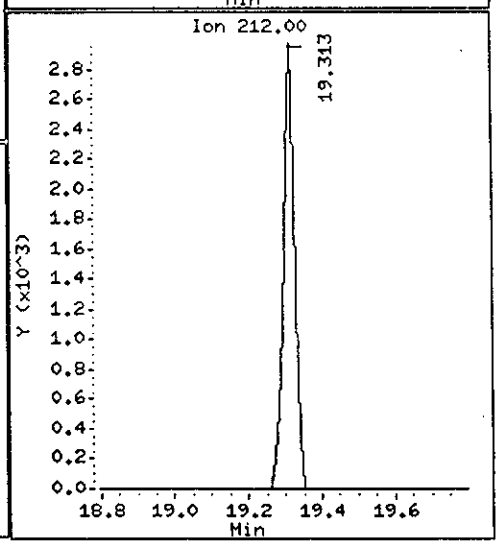












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Instrument: MSJ5971.i

Sample Info: 09.29.97 QSM09230 S

Volume Injected (uL): 1.0

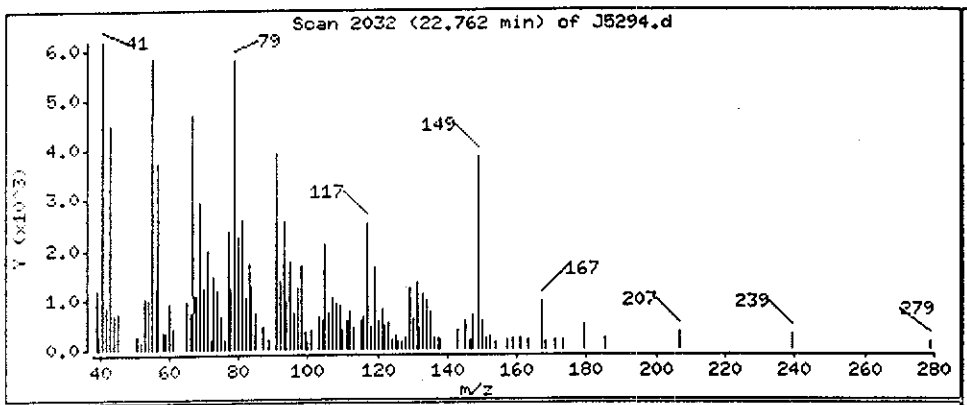
Operator: MS72

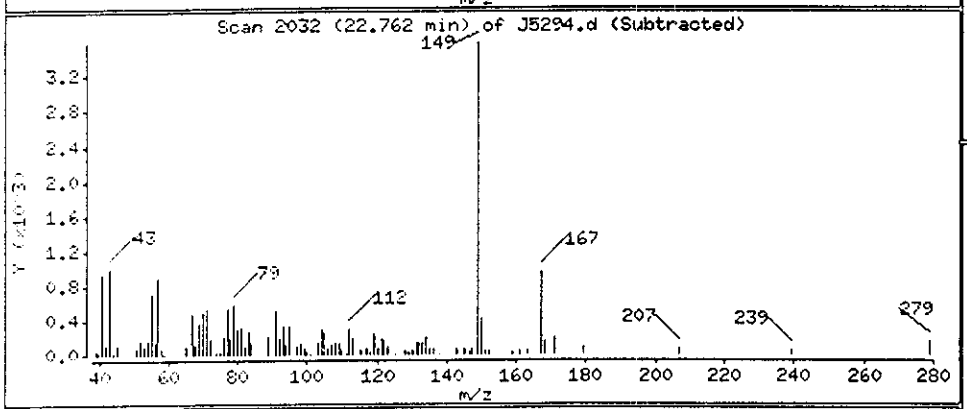
Column phase: RTX-5MS

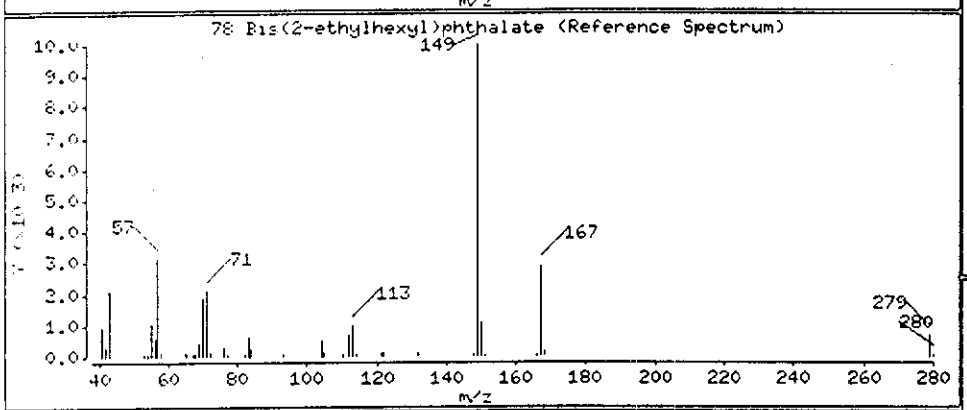
Column diameter: 0.25

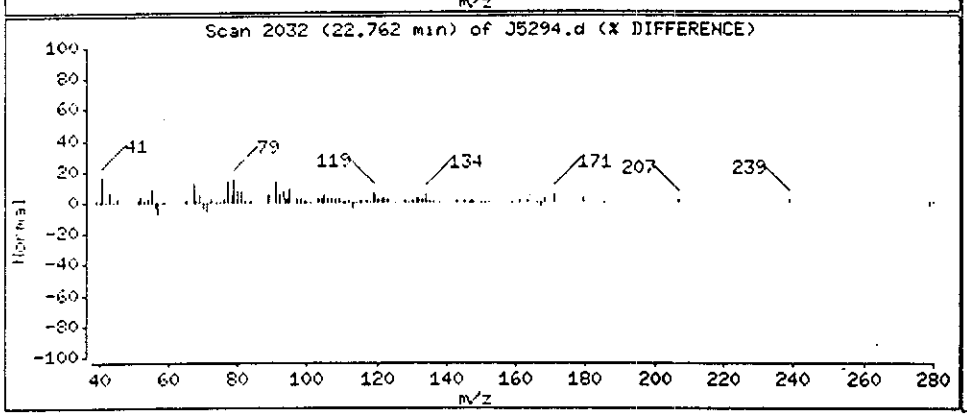
78 Bis(2-ethylhexyl)phthalate

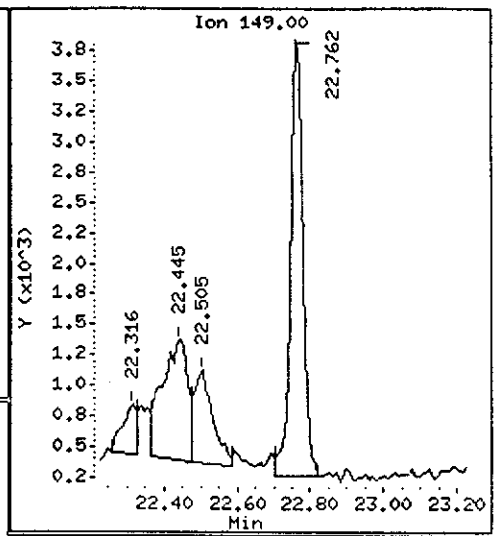
Concentration: 92 ug/Kg

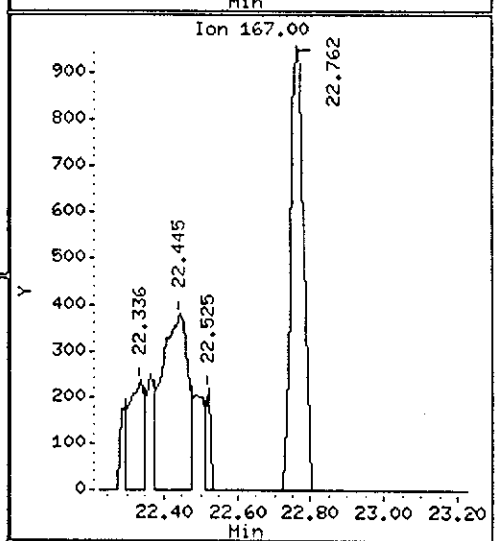


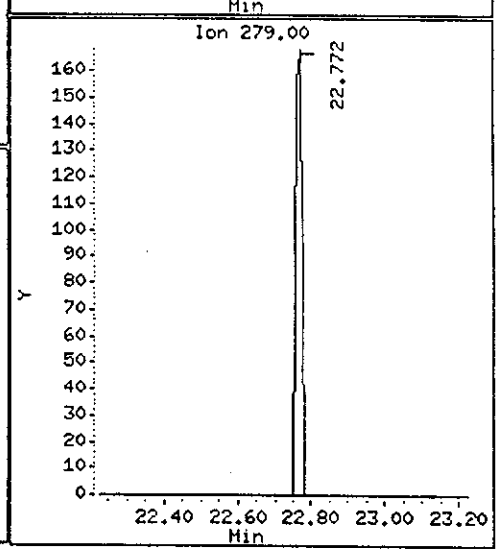












Data File: /chem/SM/MSJ5971.i/1j0929.b/J5294.d

Date : 29-SEP-97 08:58:00

Client ID: 75281-3

Sample Info: 09.29.97 QSM0923G S

Volume Injected (uL): 1.0

Column phase: RTX-5MS

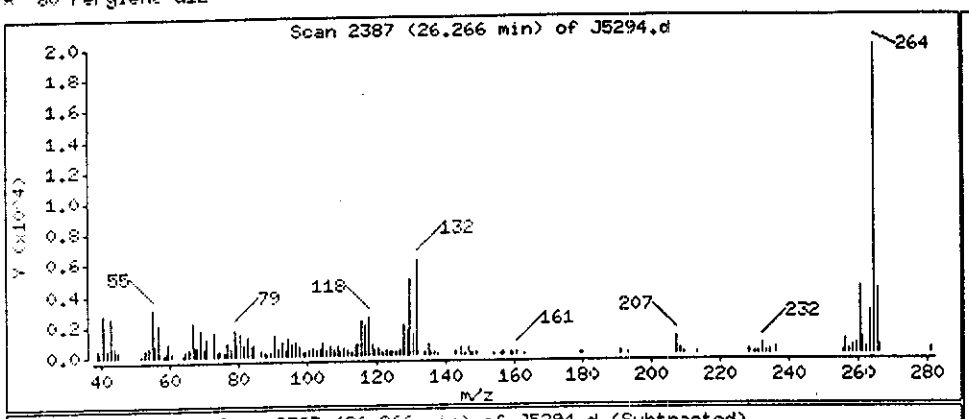
Instrument: MSJ5971.i

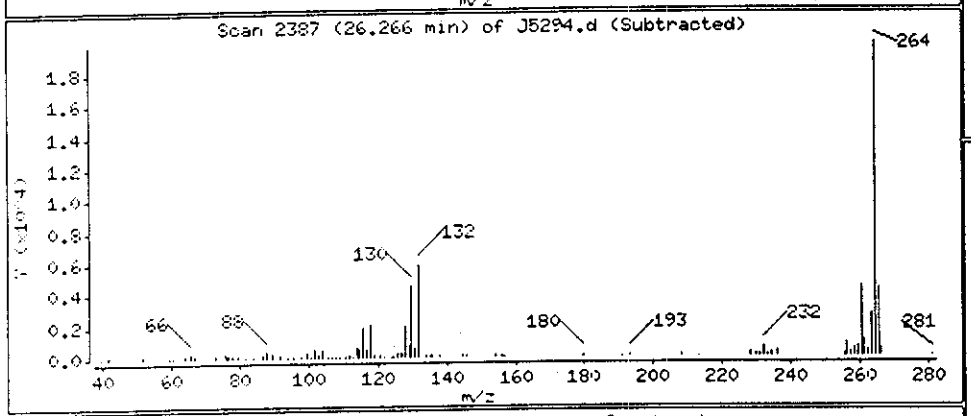
Operator: MS72

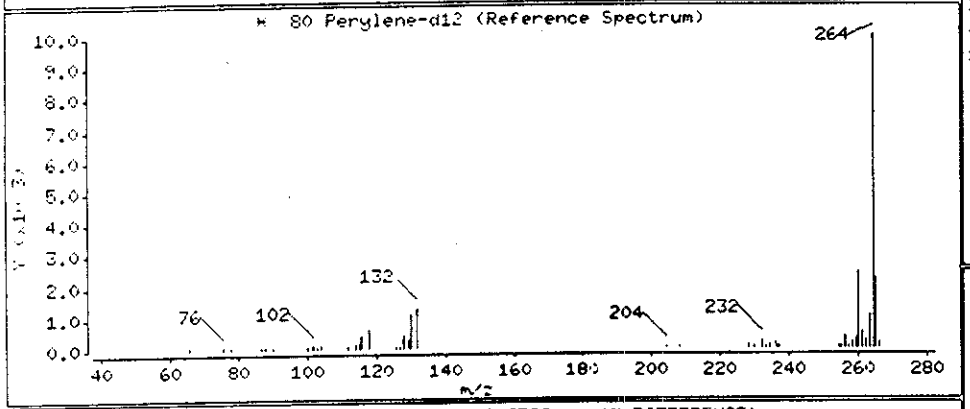
Column diameter: 0.25

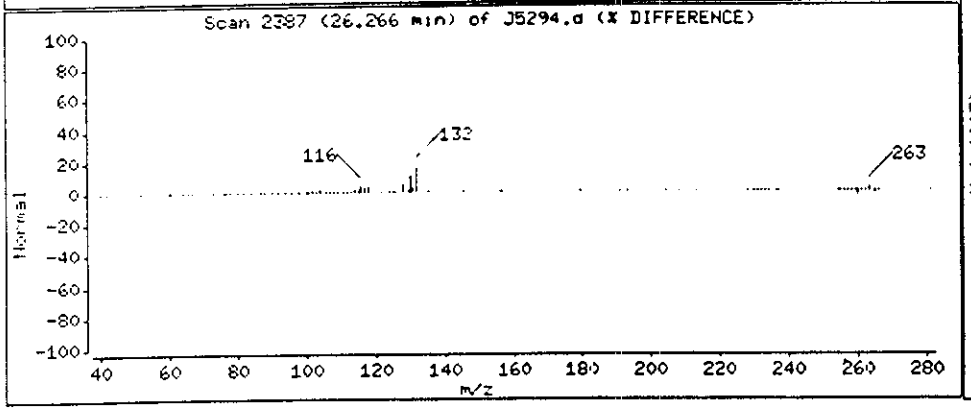
Concentration: 1300 ug/Kg

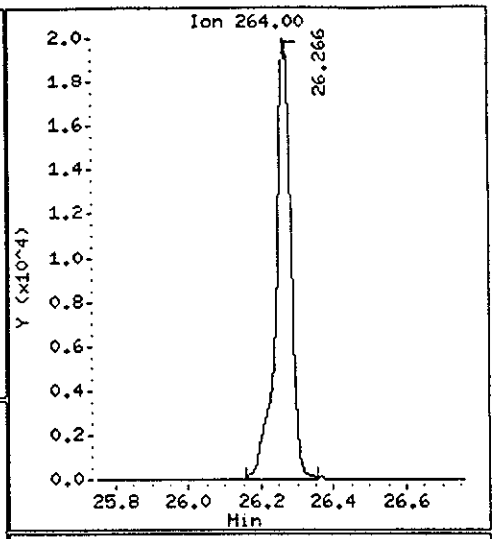
* 80 Perylene-d12

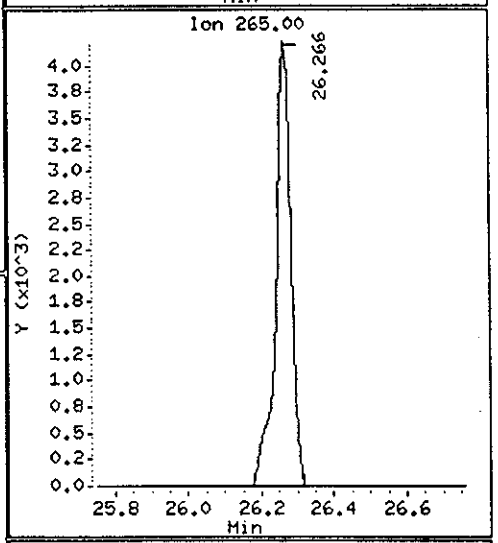


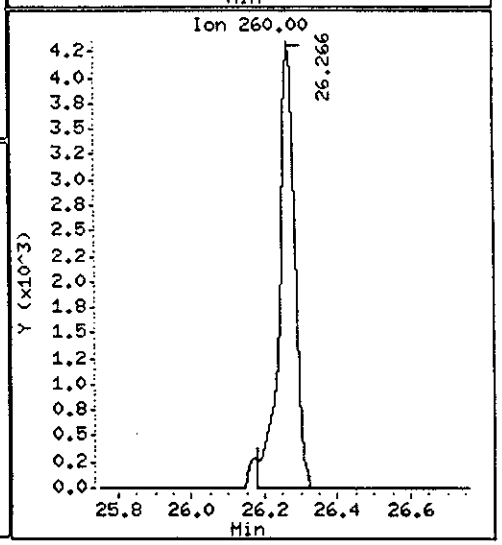












SAVANNAH LABORATORIES

Semivolatile REPORT SW-846 Method 8270

Data file : /chem/SM/MSJ5971.i/2j0926.b/J5286.d
Lab Smp Id: 041J750101 Client Smp ID: 75281-8
Inj Date : 27-SEP-97 04:36:00
Operator : MS73 Inst ID: MSJ5971.i
Smp Info : 09/26/97 QSM0923G S
Misc Info : 75281-8=8 041J750101 MSJ [2J0926]
Comment :
Method : /chem/SM/MSJ5971.i/2j0926.b/j-b8270-m.m
Meth Date : 27-Sep-97 07:54:45 lbutfilo Quant Type: ISTD
Cal Date : 23-SEP-97 18:18:00 Cal File: JQ812.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tcl{sp}.sub
Target Version: 3.30
Processing Host: cserver1

Concentration Formula: 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC

Name	Value	Description
Vi	1.000	Injection Volume
Vt	0.500	Final Volume
Ws	30.000	Weight Extracted
M	0.000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.001	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	2.000	GPC factor

KB 8.11.98

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
• 1 1,4-Dichlorobenzene-d4	152	5.658	5.660	(1.000)	144413	40.0000	(Q)
S 5 2-Fluorophenol	112	4.716	4.709	(0.833)	250478	38.8692	1300
S 6 Phenol-d5	99	5.363	5.365	(0.948)	332472	46.9991	1600
18 3&4-Methylphenol	107	6.041	6.044	(1.068)	22785	4.05938	140(a)
• 20 Naphthalene-d8	136	7.149	7.155	(1.000)	576421	40.0000	
S 21 Nitrobenzene-d5	82	6.237	6.250	(0.872)	123156	20.0521	670
• 36 Acenaphthene-d10	164	10.661	10.659	(1.000)	270899	40.0000	
S 40 2-Fluorobiphenyl	172	9.101	9.119	(0.854)	211770	23.9590	800
S 58 2,4,6-Tribromophenol	330	12.742	12.743	(1.195)	63769	49.4542	1600
• 59 Phenanthrene-d10	188	14.580	14.580	(1.000)	333835	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/Kg)
* 72 Chrysene-d12	240	22.389	22.367	(1.000)	73510	40.0000	
$ 74 Terphenyl-d14	244	19.375	19.348	(0.865)	82521	36.2552	1200
* 80 Perylene-d12	264	26.336	26.298	(1.000)	48243	40.0000	

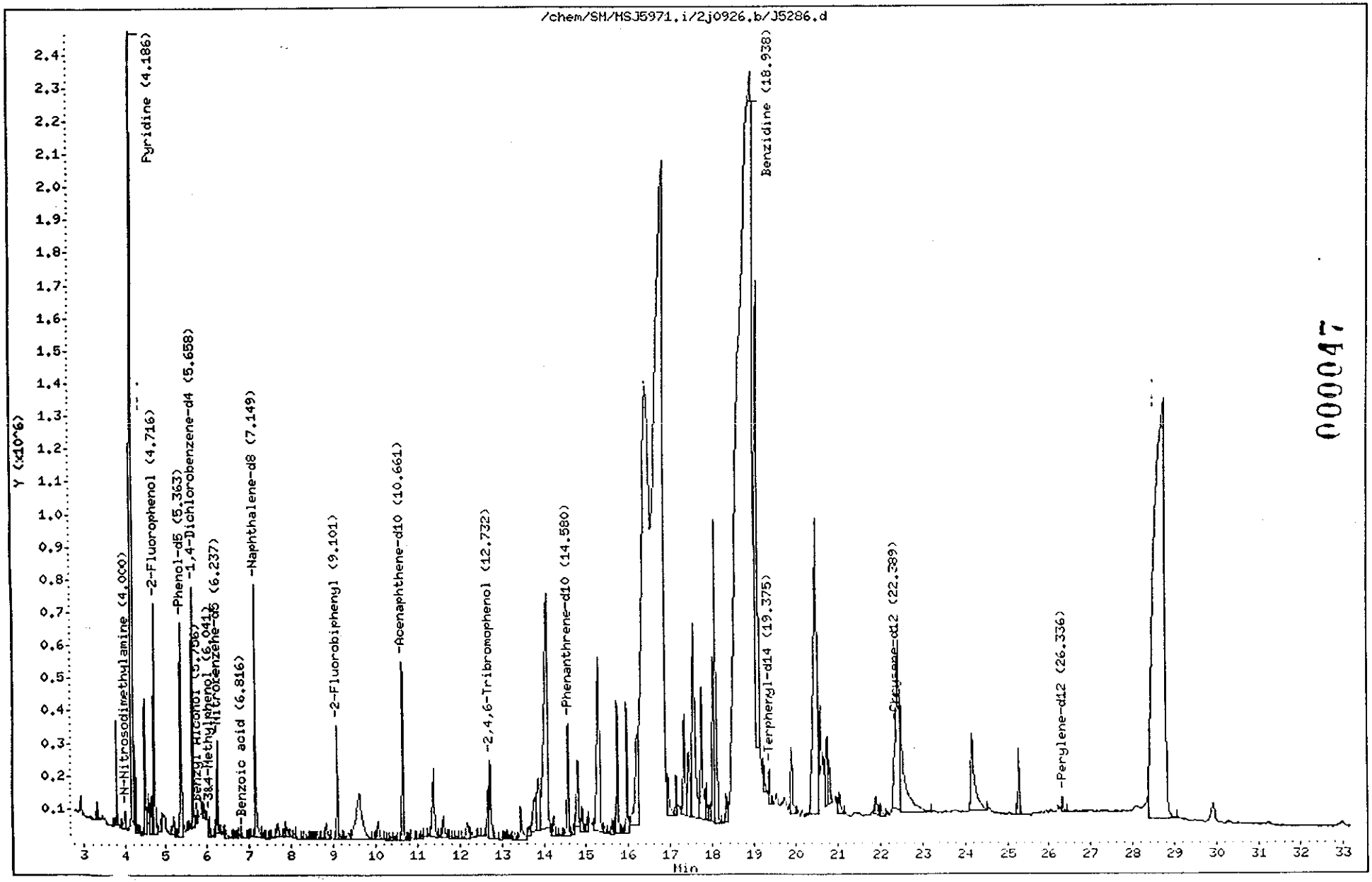
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d
Date : 27-SEP-97 04:36:00
Client ID: 75281-8
Sample Info: 09/26/97 QSM0923C S
Volume Injected (uL): 1.0
Column phase: RTX-5MS

Instrument: MSJ5971.i

Operator: MS73
Column diameter: 0.25



00004

Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

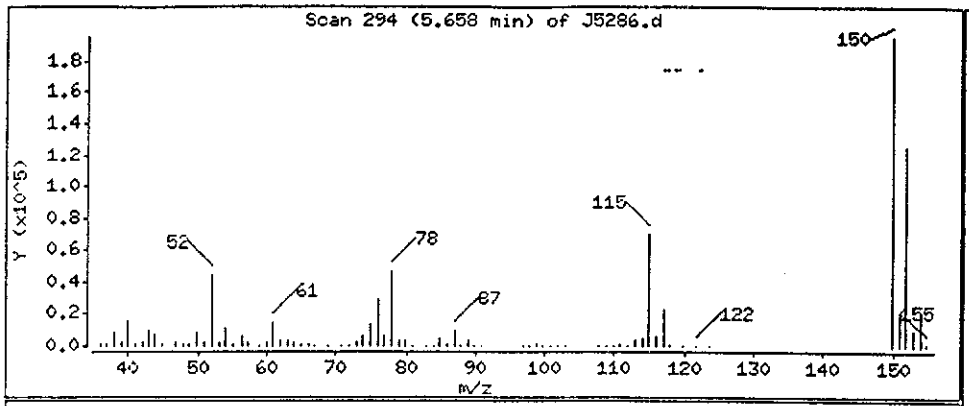
Operator: MS73

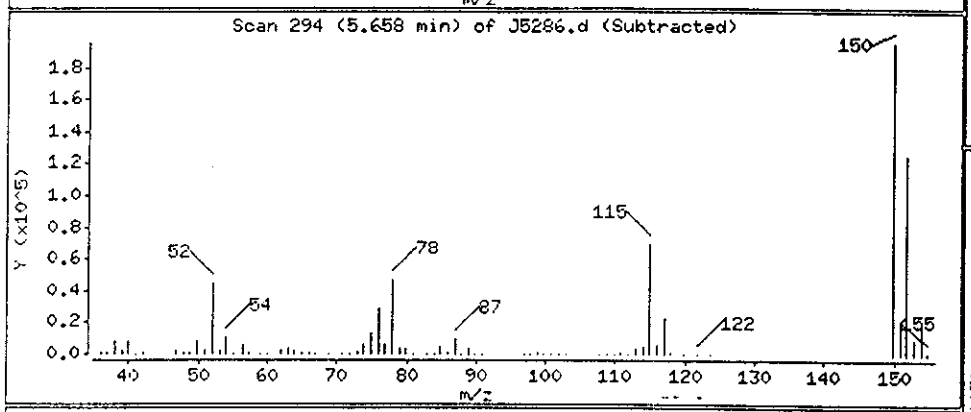
Column phase: RTX-5MS

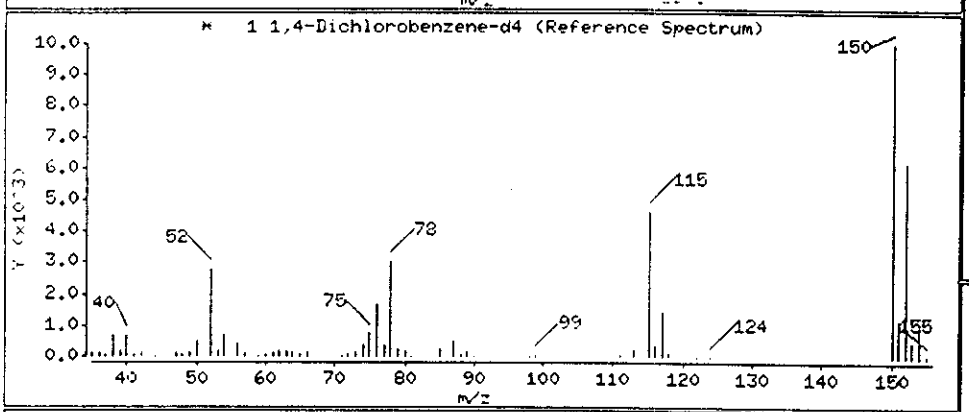
Column diameter: 0.25

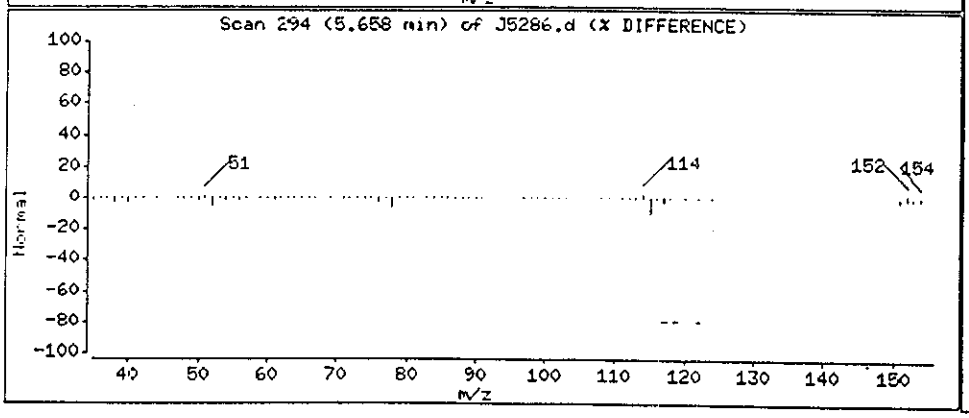
* 1 1,4-Dichlorobenzene-d4

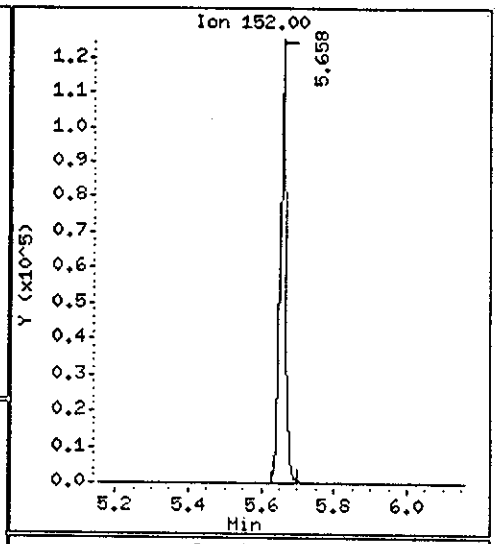
Concentration: 1300 ug/Kg

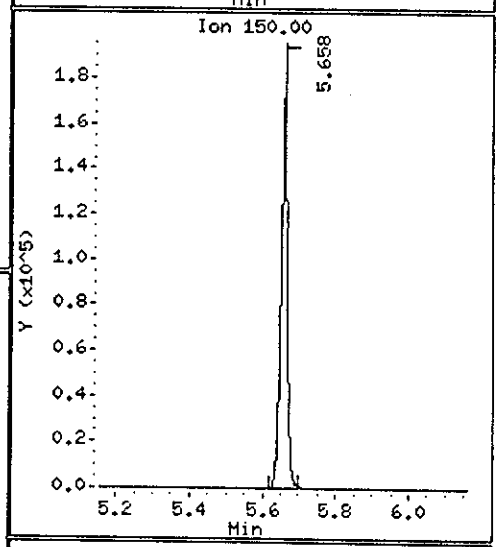


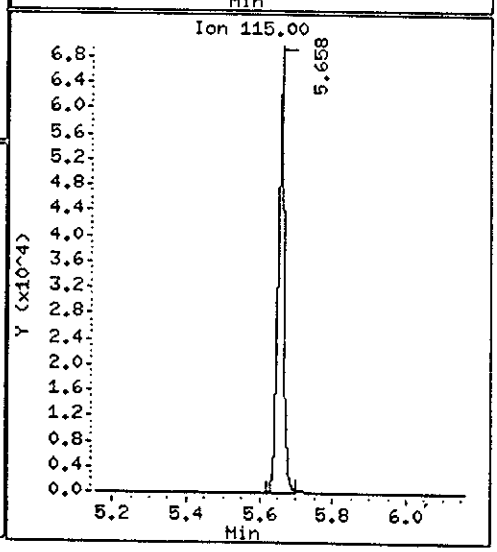












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

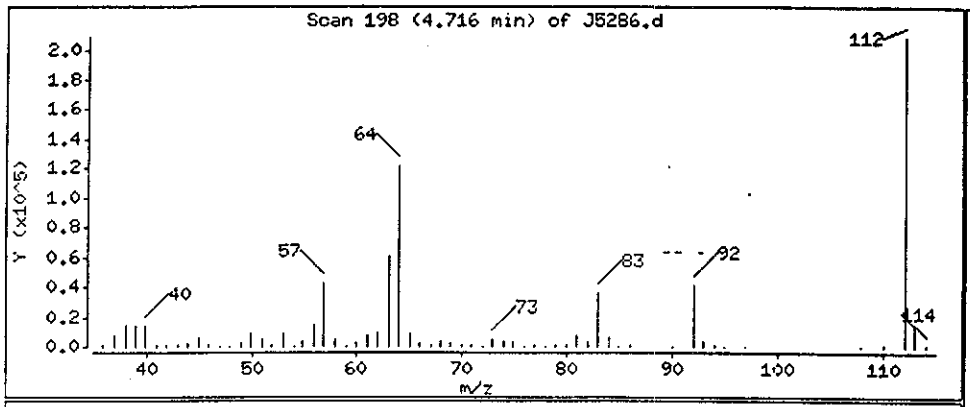
Operator: MS73

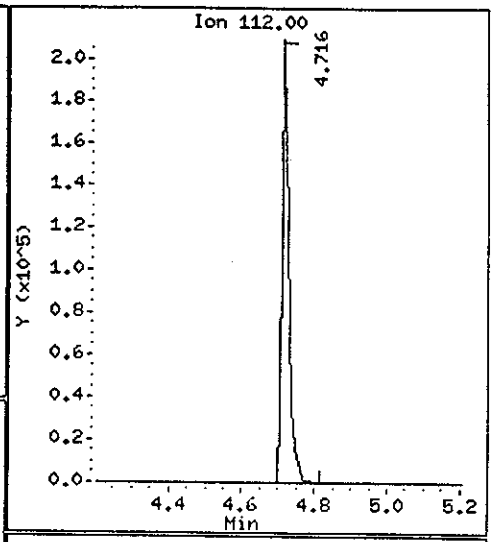
Column phase: RTX-5MS

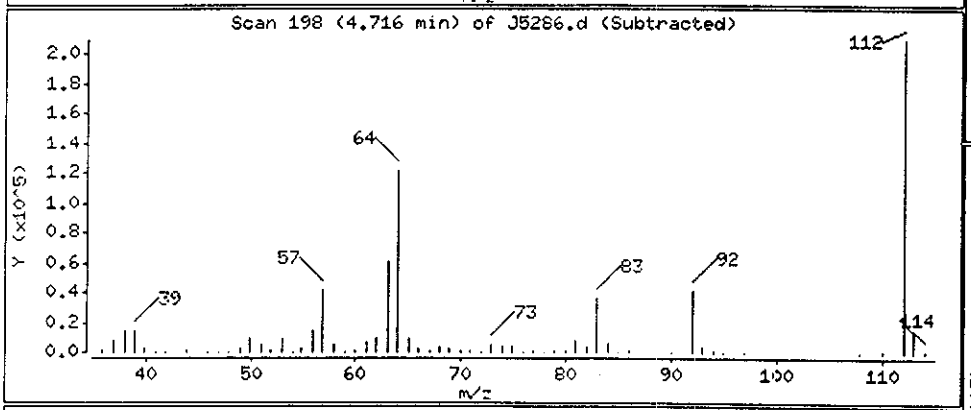
Column diameter: 0.25

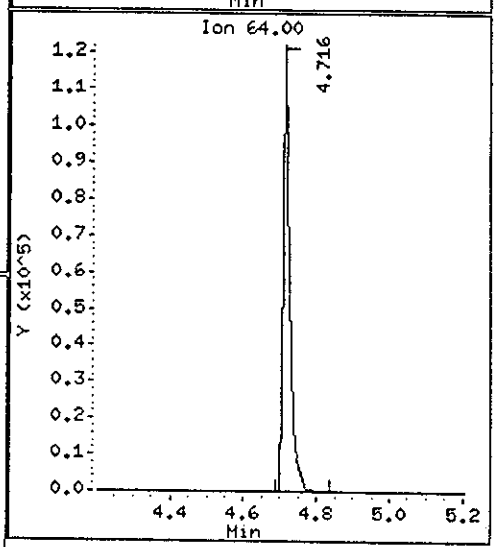
$ 5 2-Fluorophenol

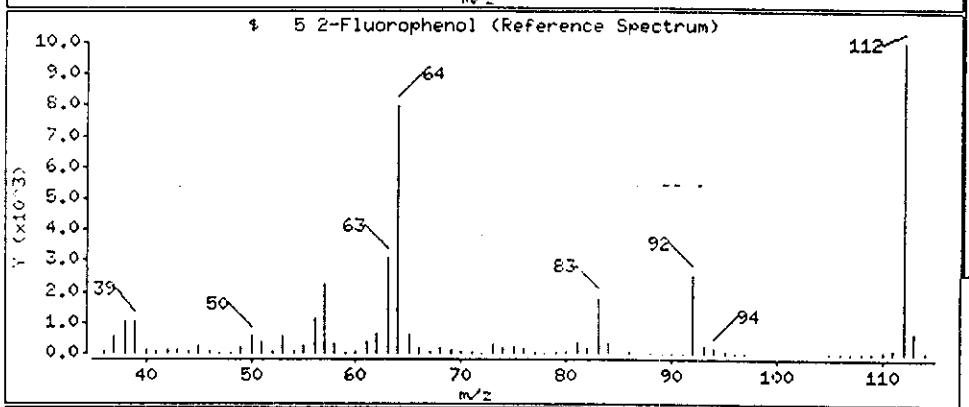
Concentration: 1300 ug/Kg

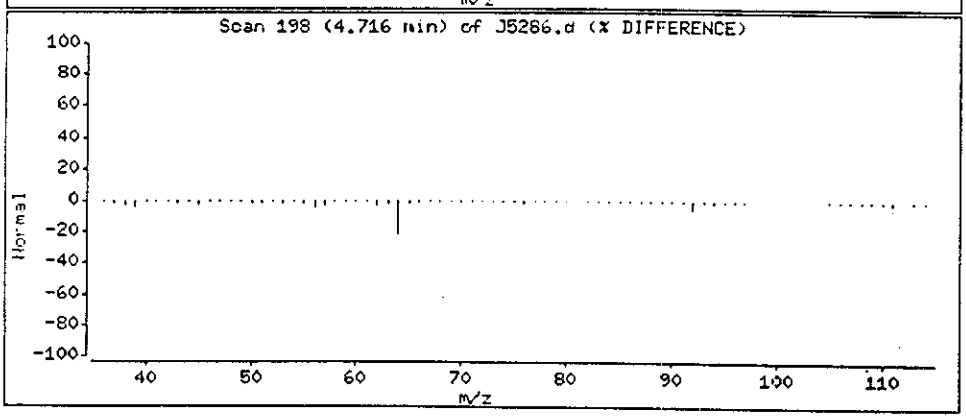












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

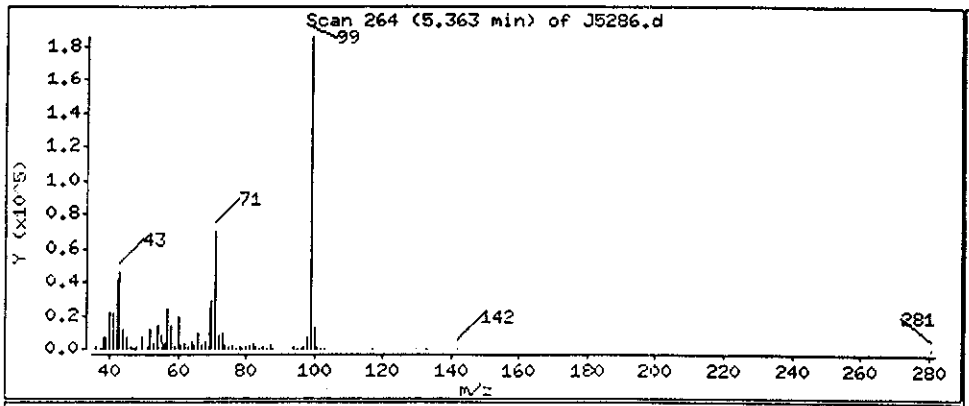
Operator: MS73

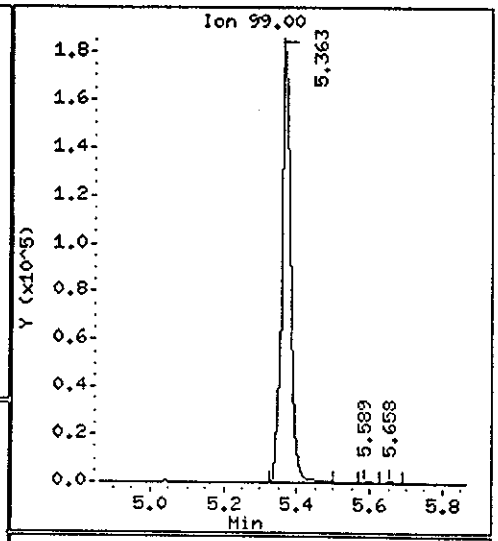
Column phase: RTX-5MS

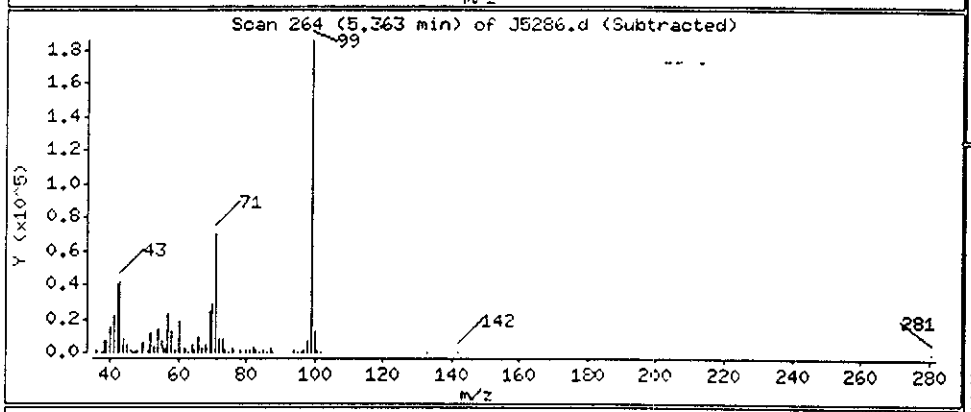
Column diameter: 0.25

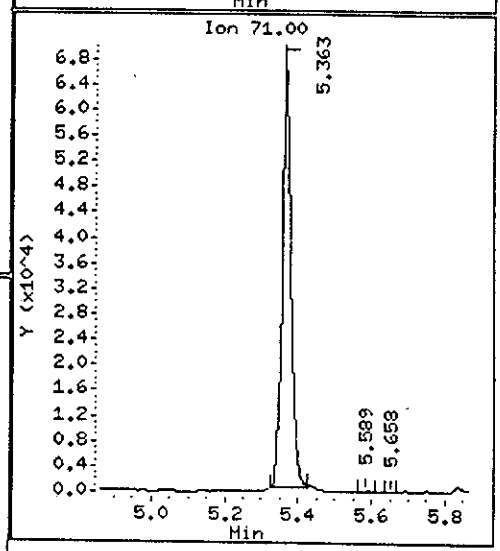
$ 6 Phenol-d5

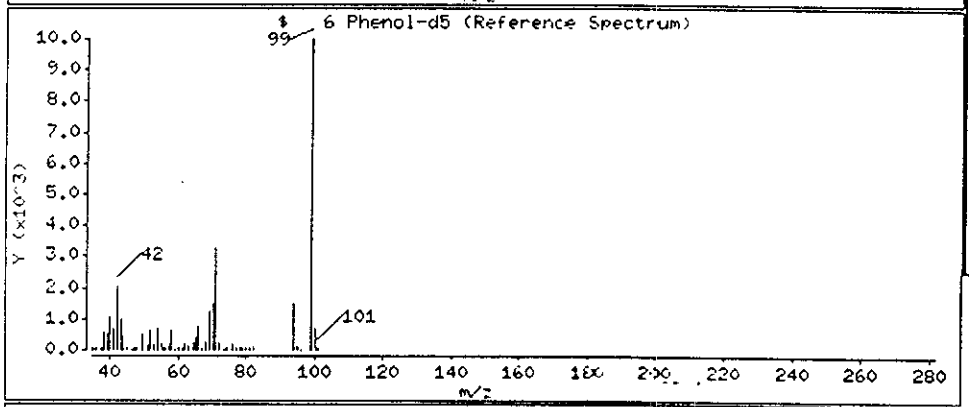
Concentration: 1600 ug/Kg

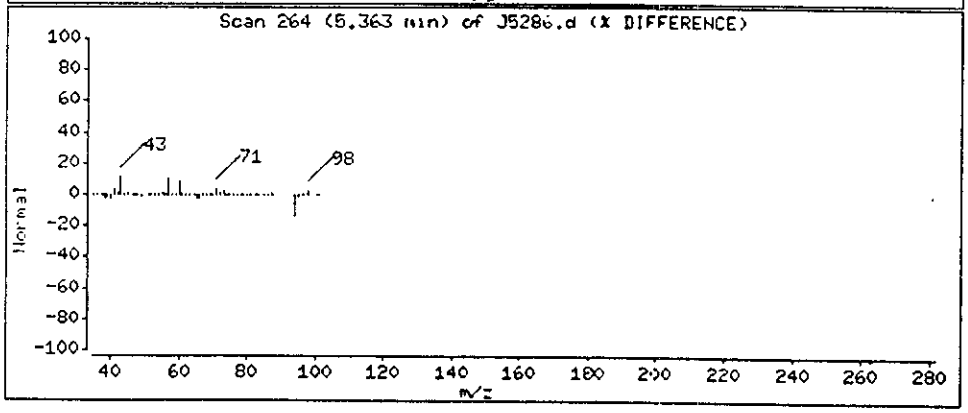












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

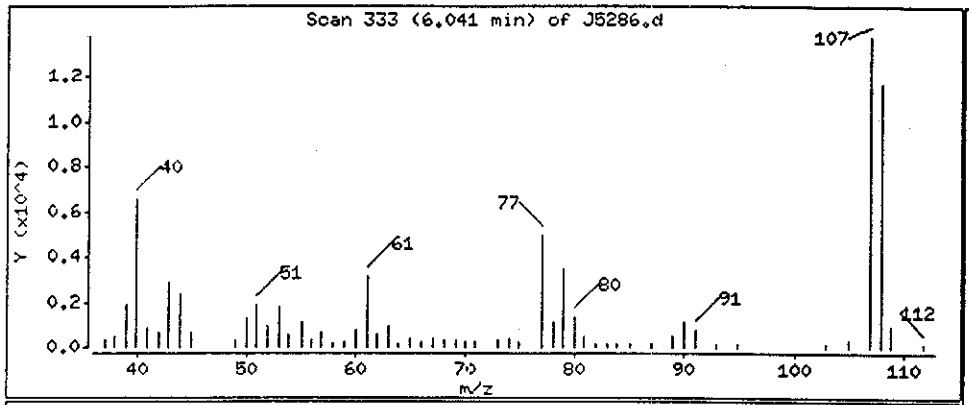
Operator: MS73

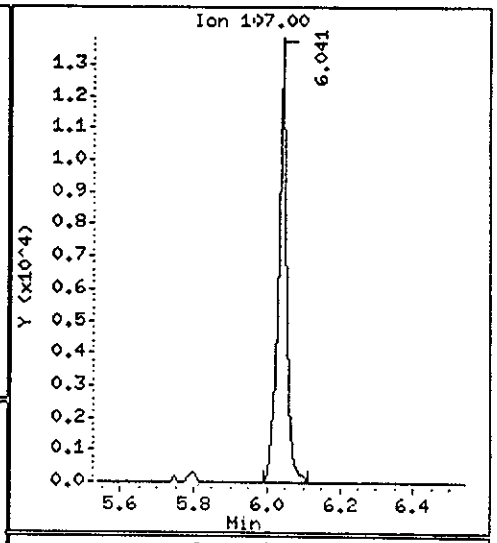
Column phase: RTX-5MS

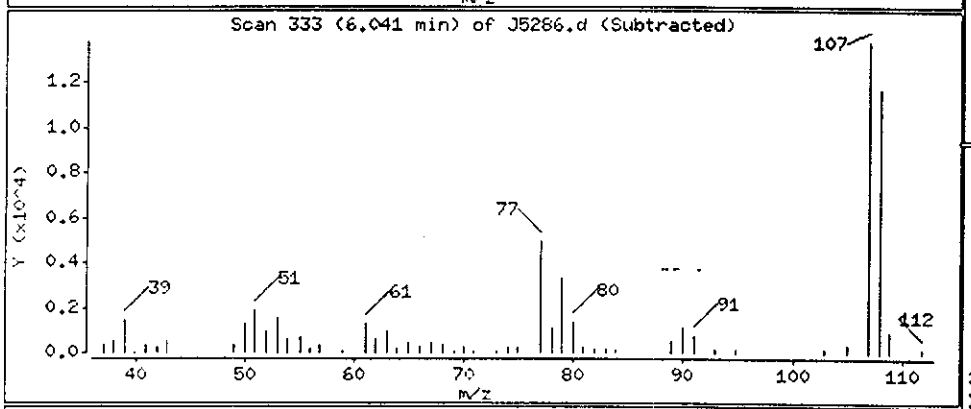
Column diameter: 0.25

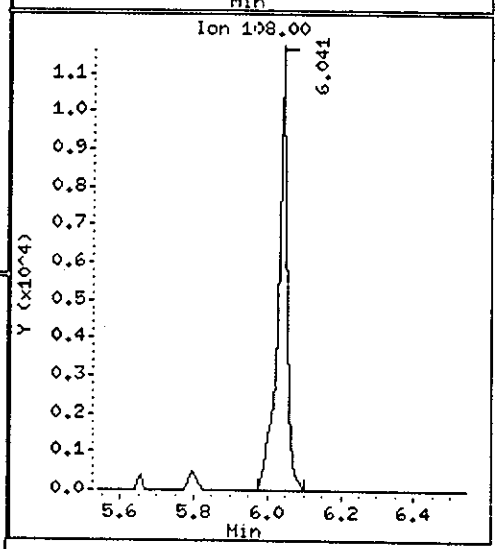
18 3&4-Methylphenol

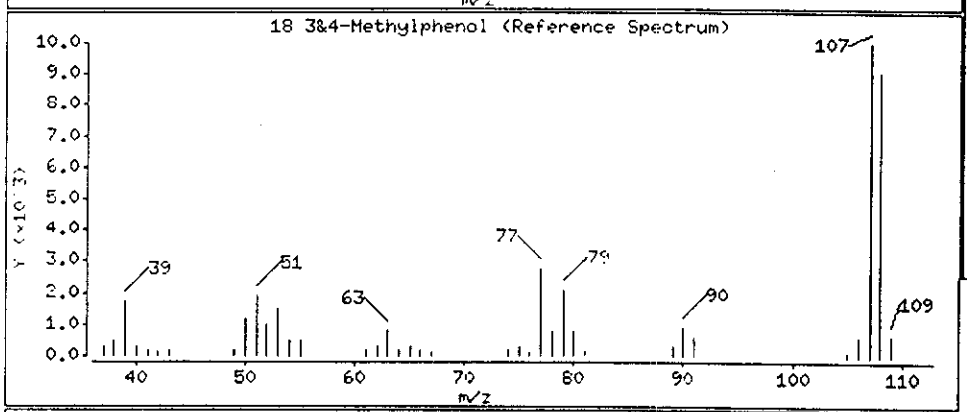
Concentration: 140 ug/Kg

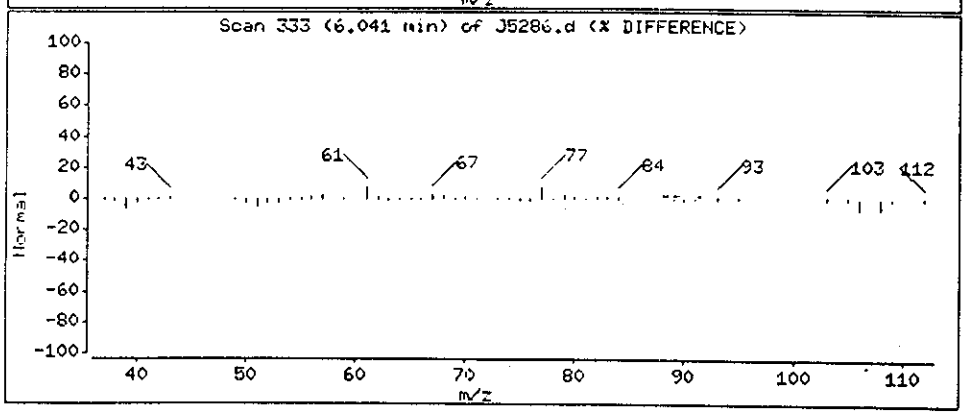












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

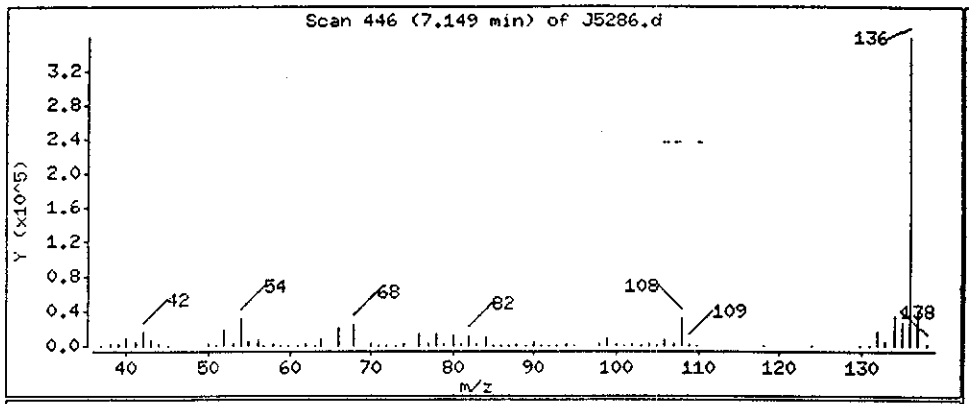
Client ID: 75281-8 Instrument: MSJ5971.i

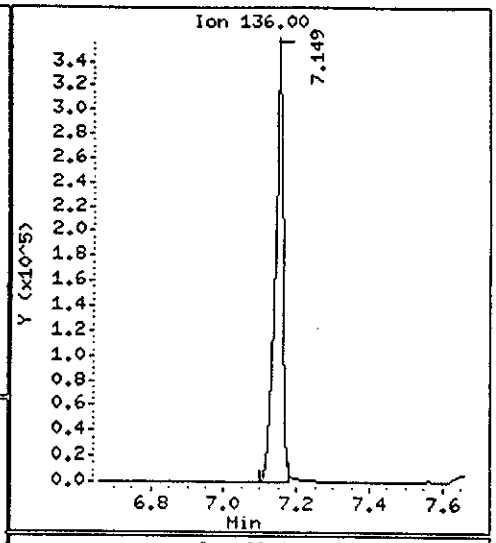
Sample Info: 09/26/97 QSM0923C S

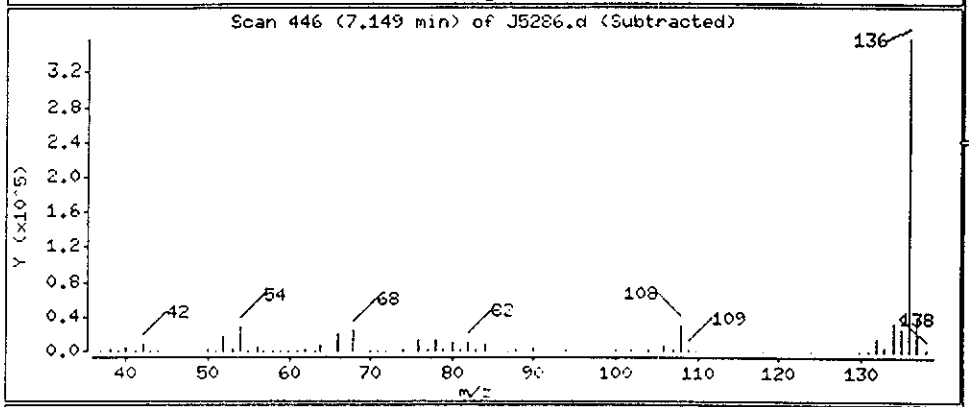
Volume Injected (uL): 1.0 Operator: MS73

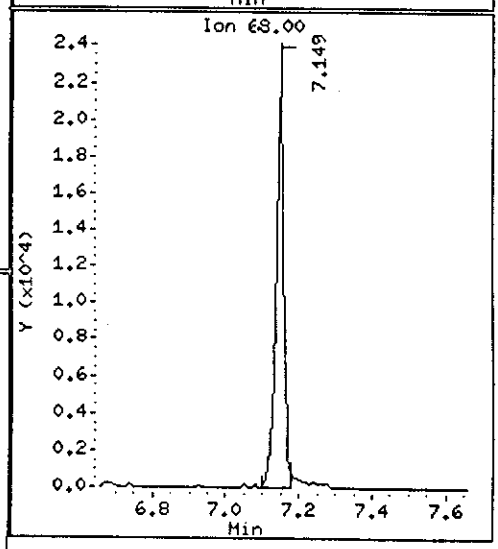
Column phase: RTX-5MS Column diameter: 0.25

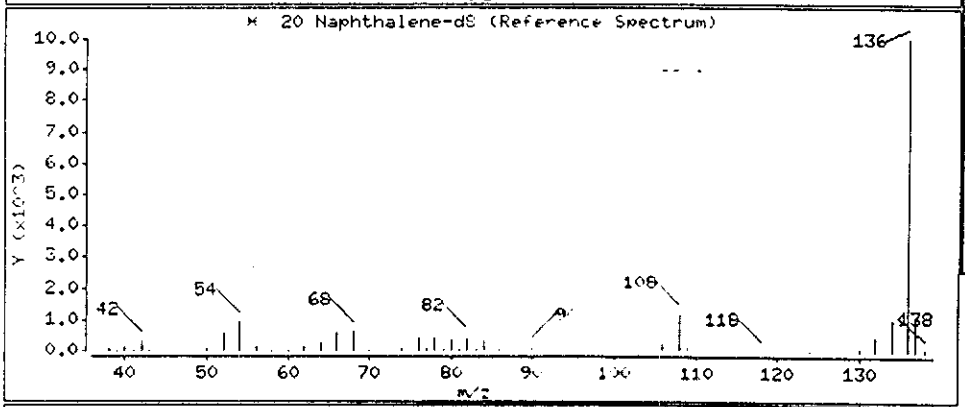
* 20 Naphthalene-d8 Concentration: 1300 ug/Kg

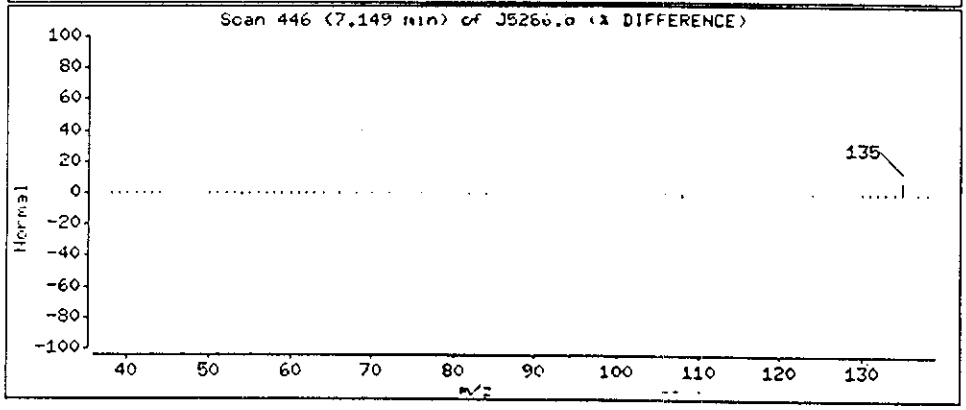












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923C S

Volume Injected (uL): 1.0

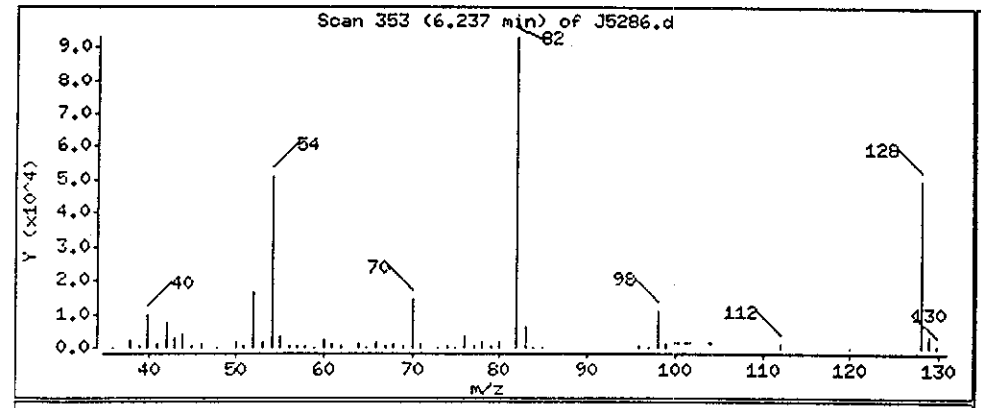
Operator: MS73

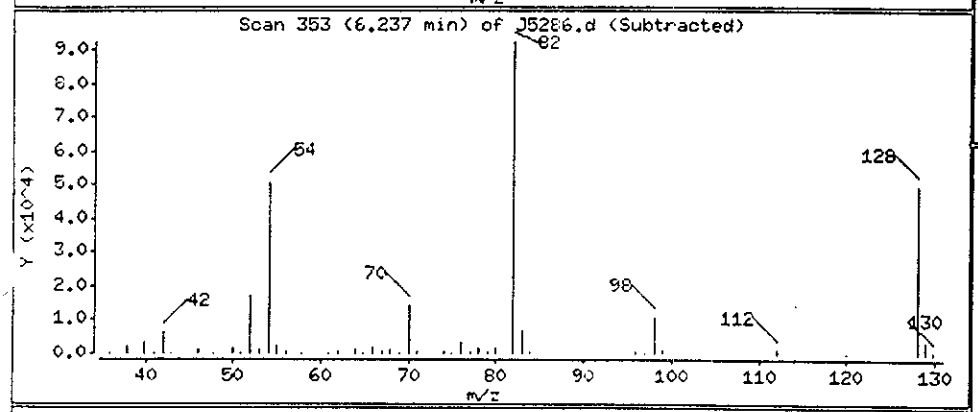
Column phase: RTX-5MS

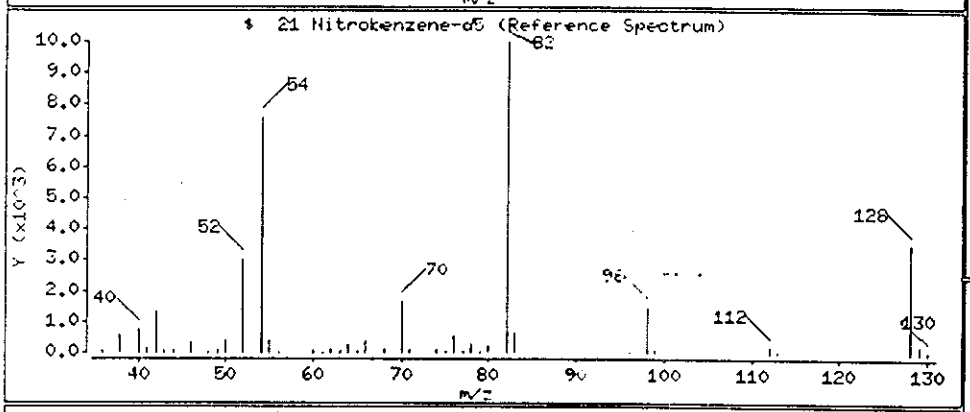
Column diameter: 0.25

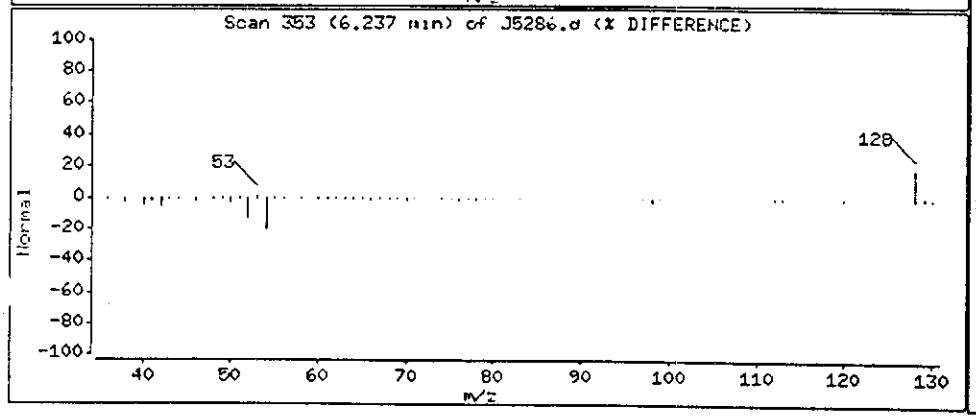
$ 21 Nitrobenzene-d5

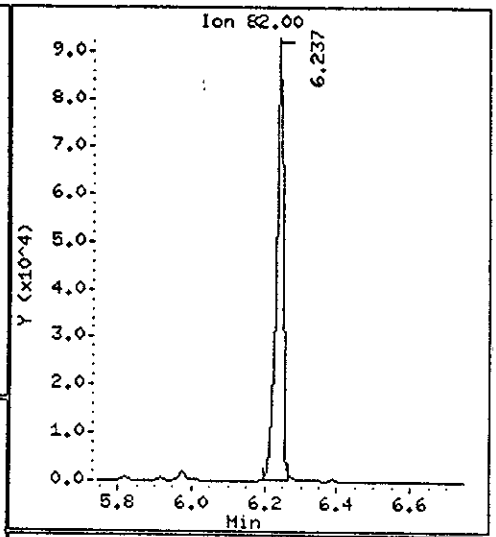
Concentration: 670 ug/Kg

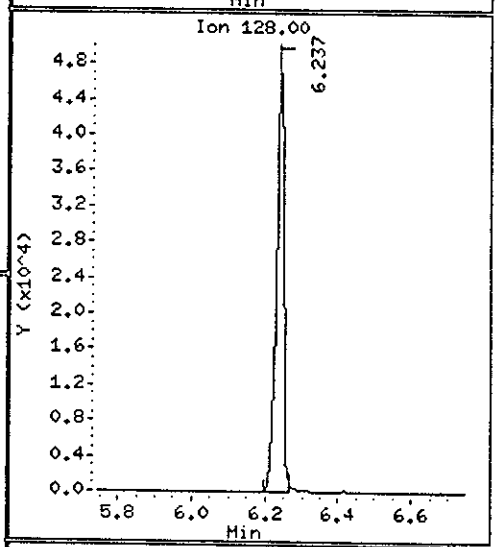


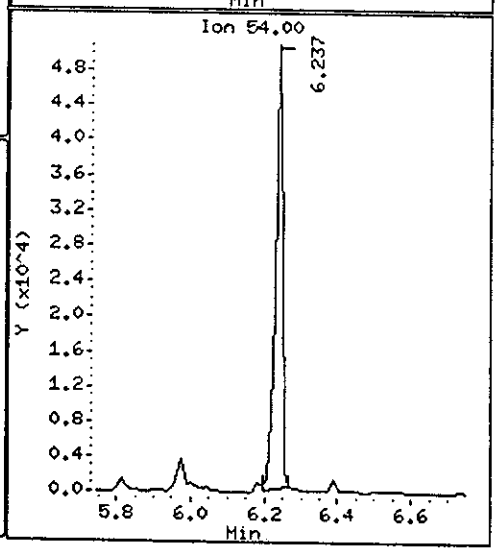












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

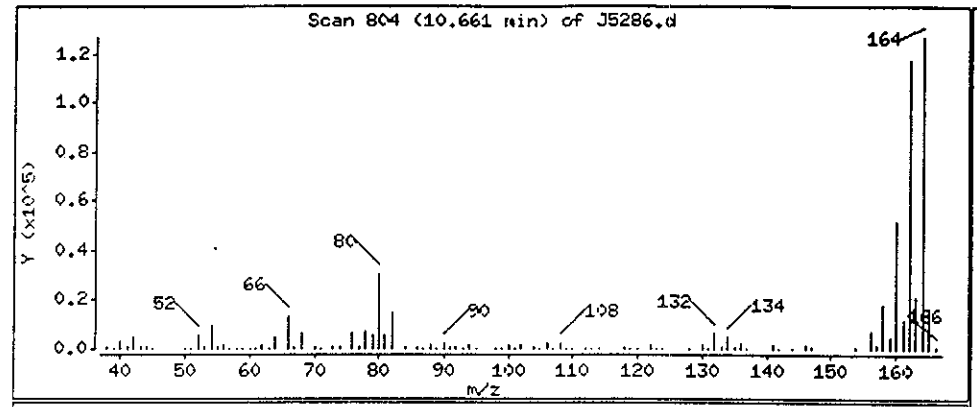
Operator: MS73

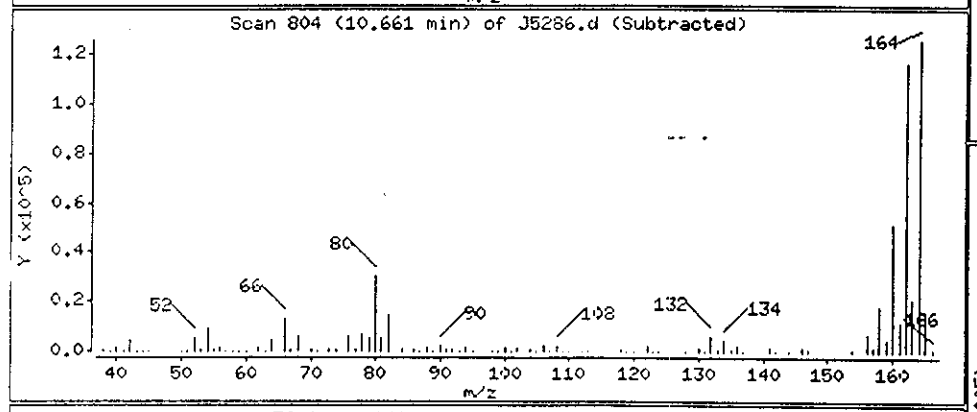
Column phase: RTX-5MS

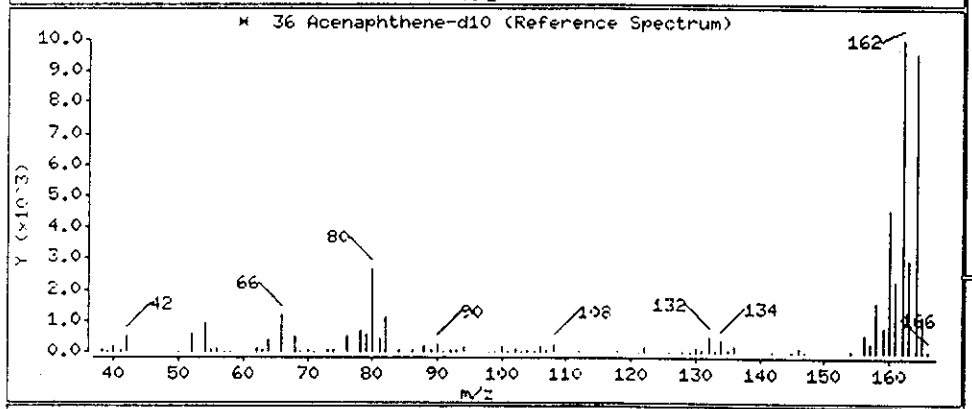
Column diameter: 0.25

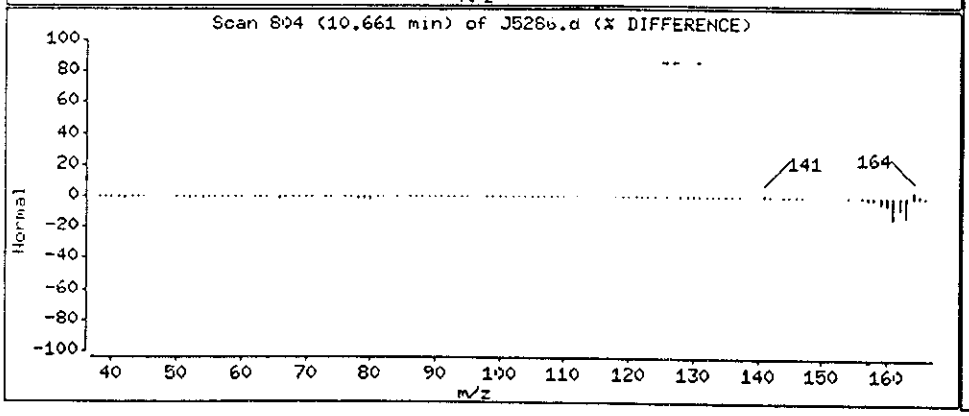
* 36 Acenaphthene-d10

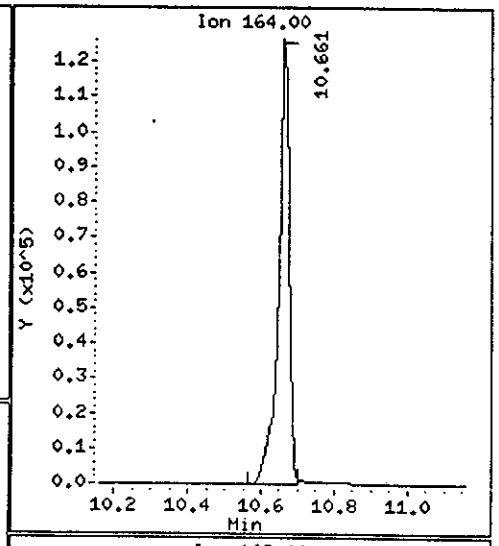
Concentration: 1300 ug/Kg

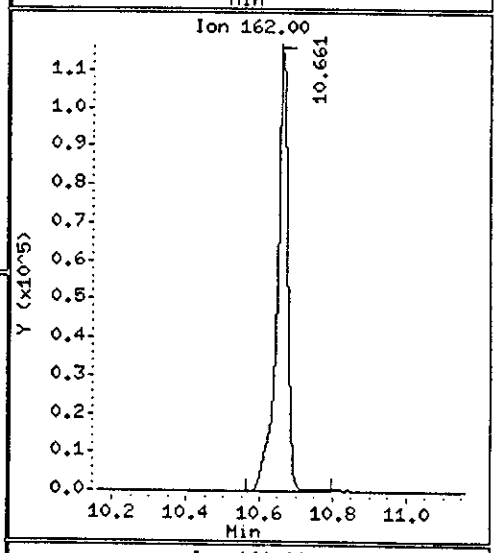


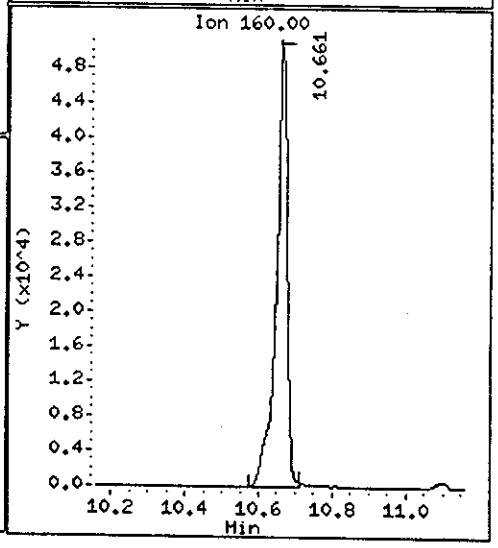












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

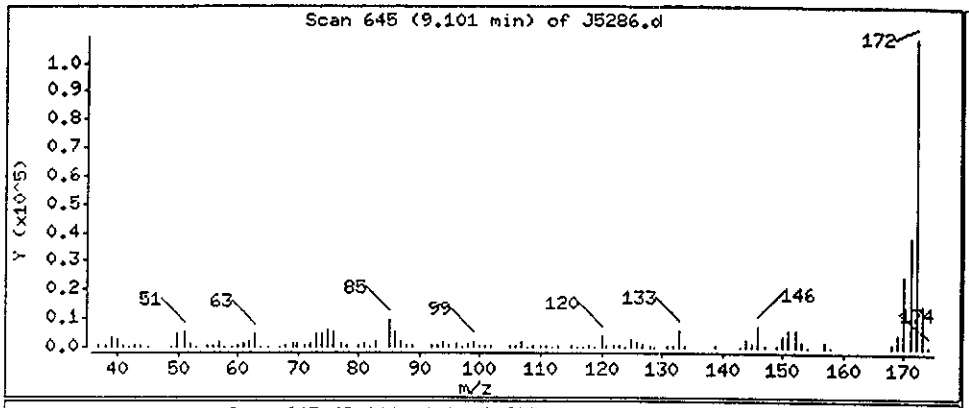
Operator: MS73

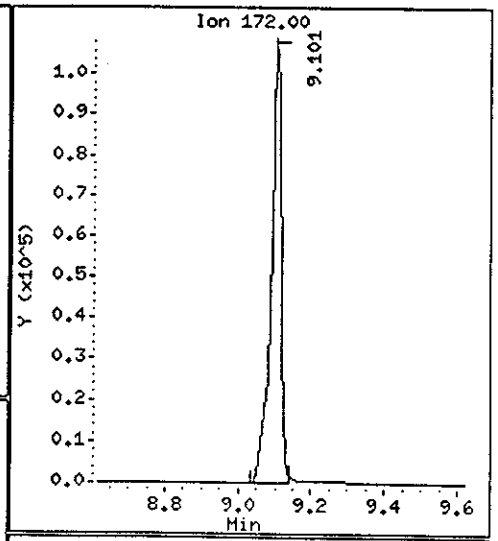
Column phase: RTX-5MS

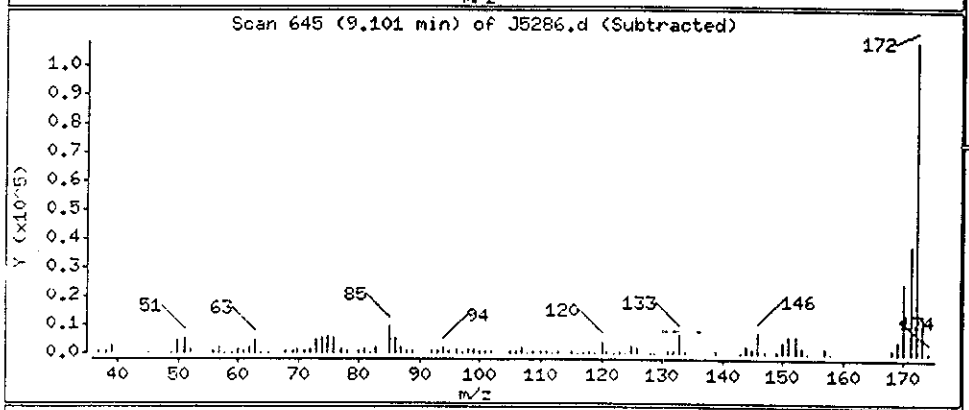
Column diameter: 0.25

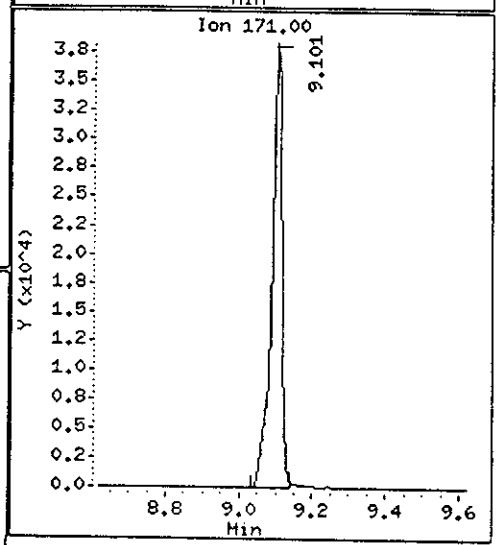
$ 40 2-Fluorobiphenyl

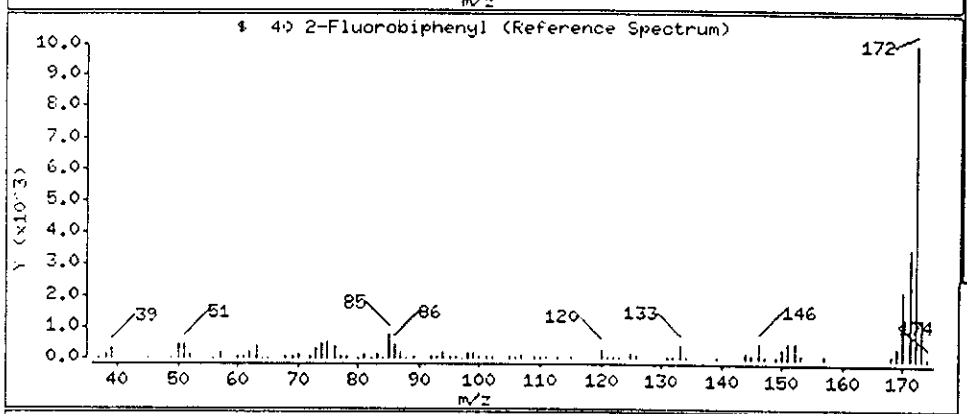
Concentration: 800 ug/Kg

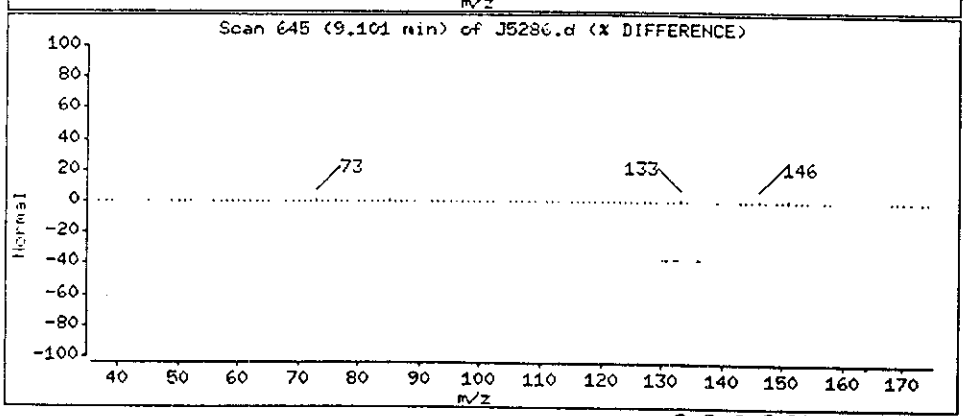












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

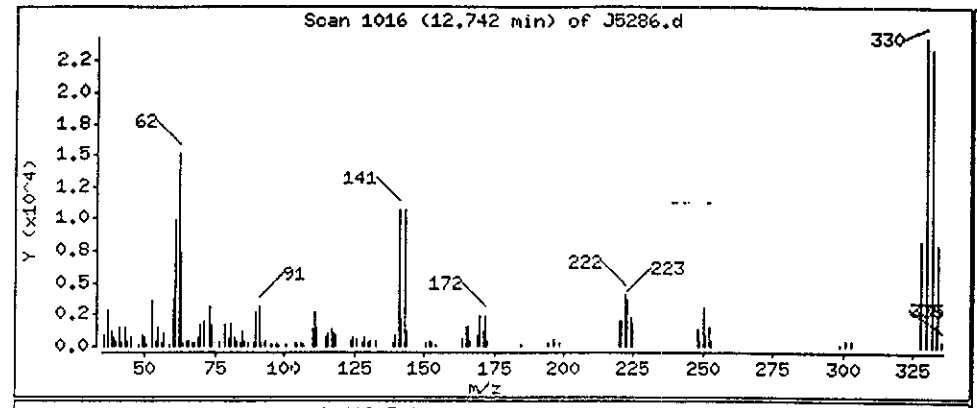
Operator: MS73

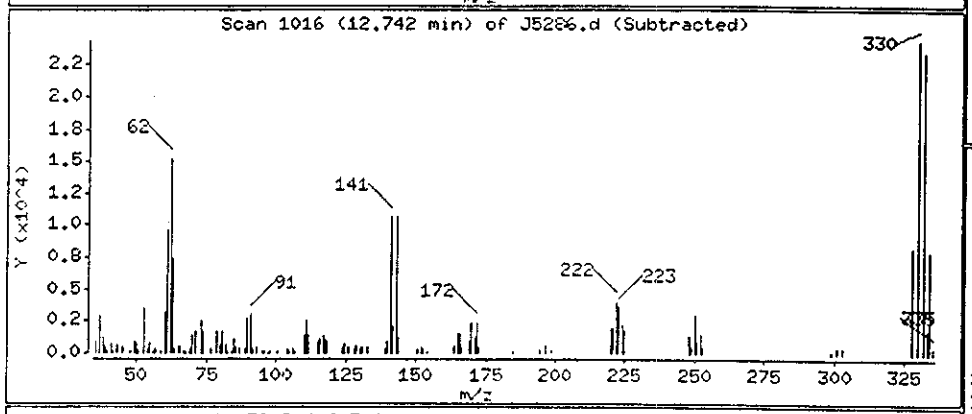
Column phase: RTX-5MS

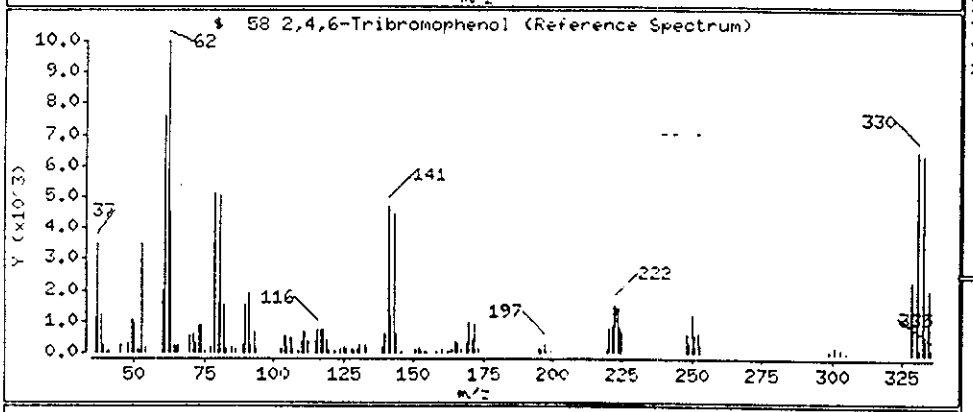
Column diameter: 0.25

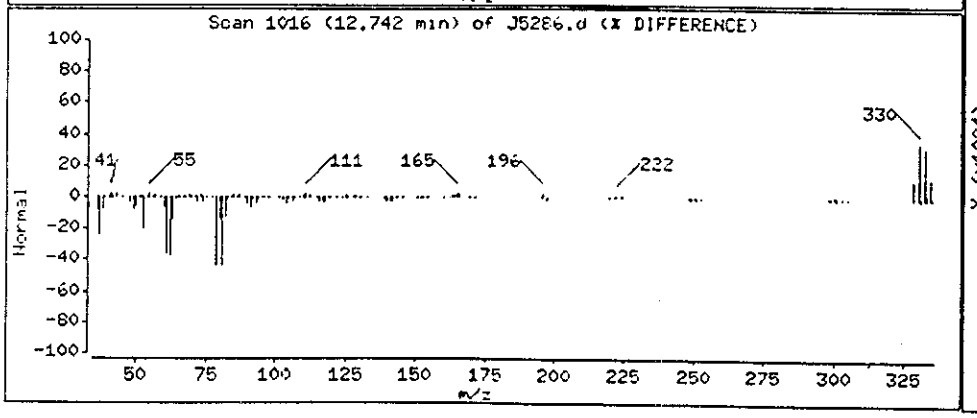
$ 58 2,4,6-Tribromophenol

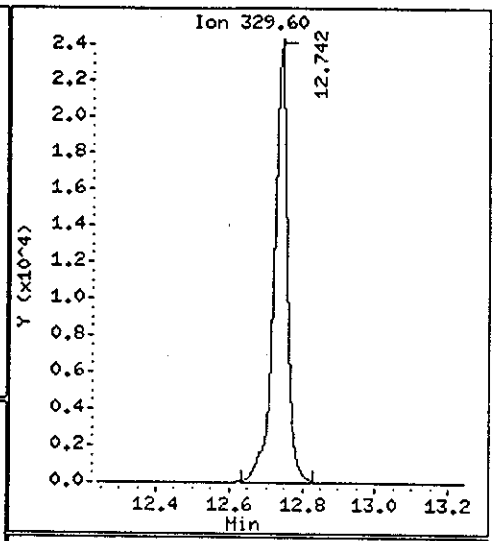
Concentration: 1600 ug/Kg

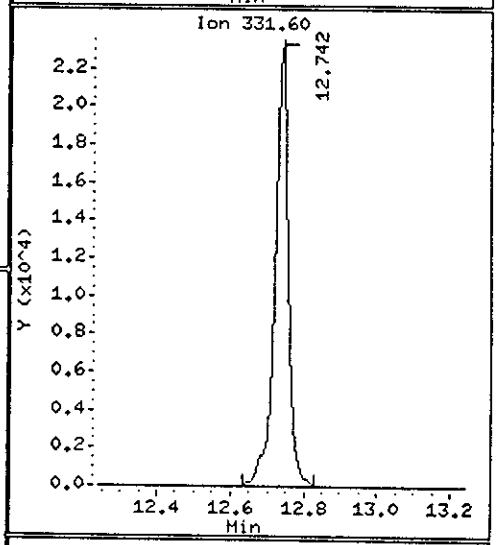


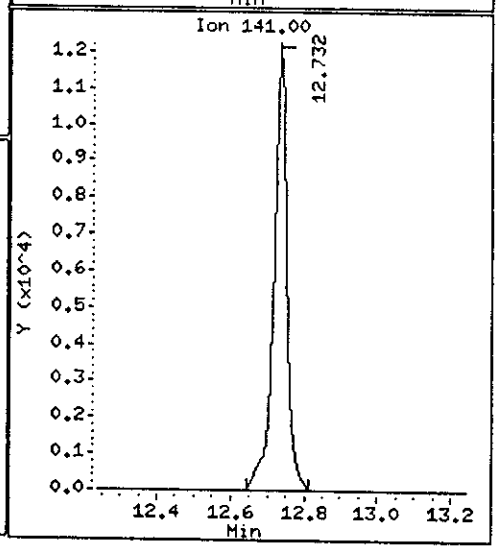












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923C S

Volume Injected (uL): 1.0

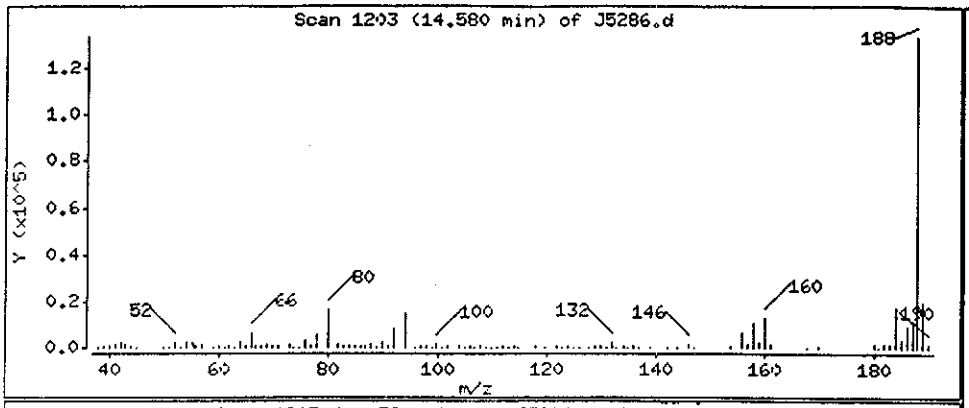
Operator: MS73

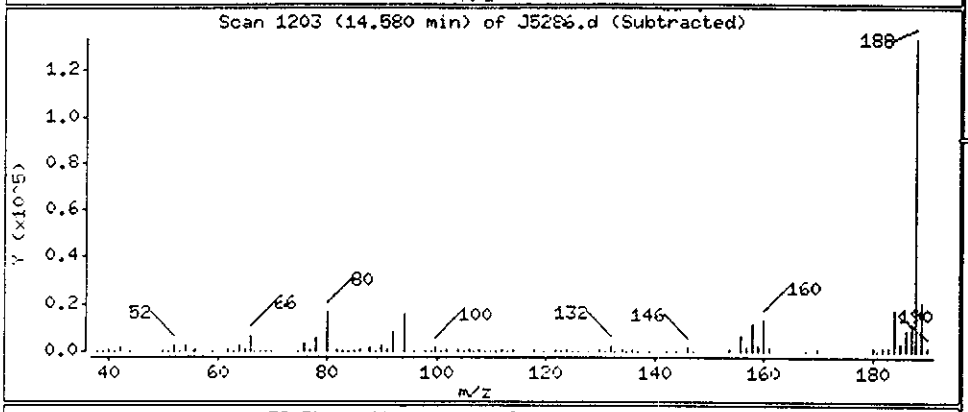
Column phase: RTX-5MS

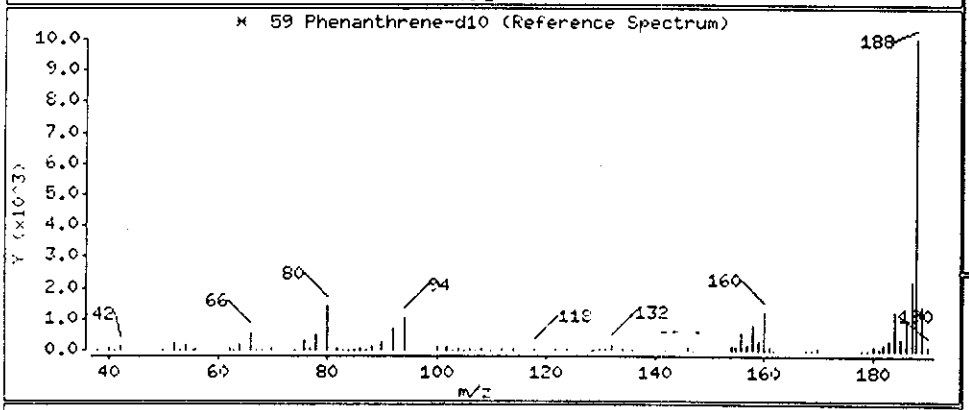
Column diameter: 0.25

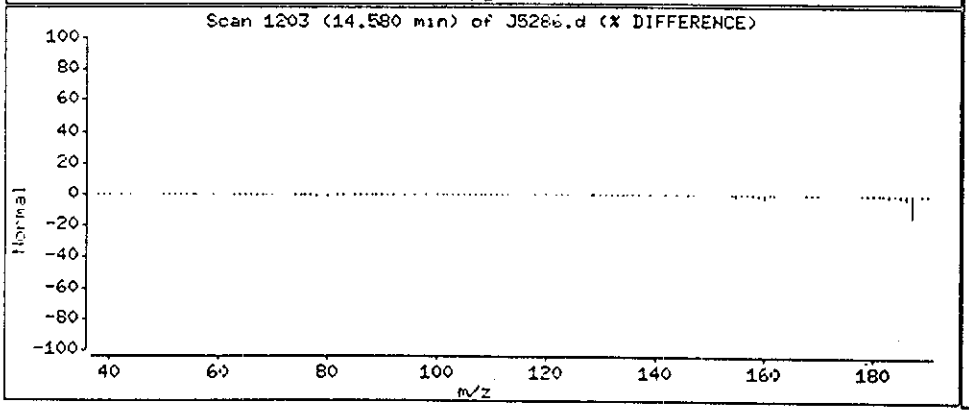
* 59 Phenanthrene-d10

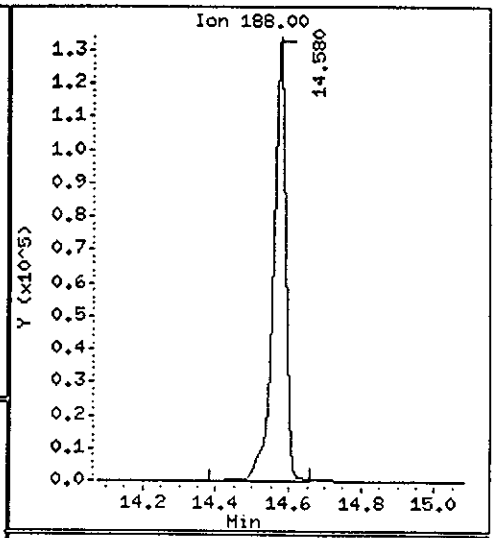
Concentration: 1300 ug/Kg

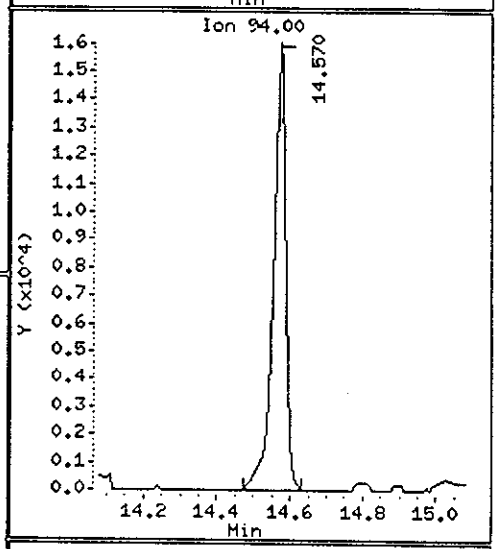


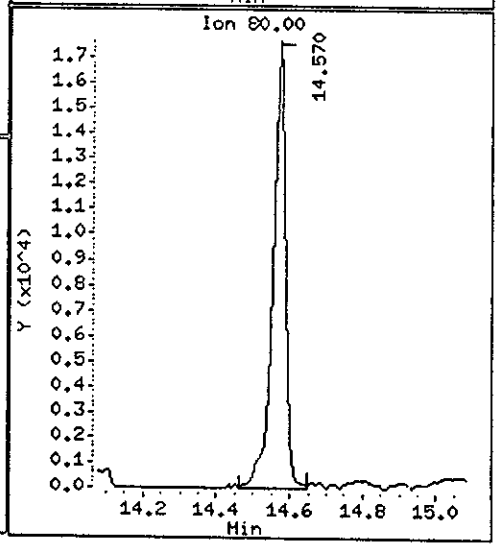












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

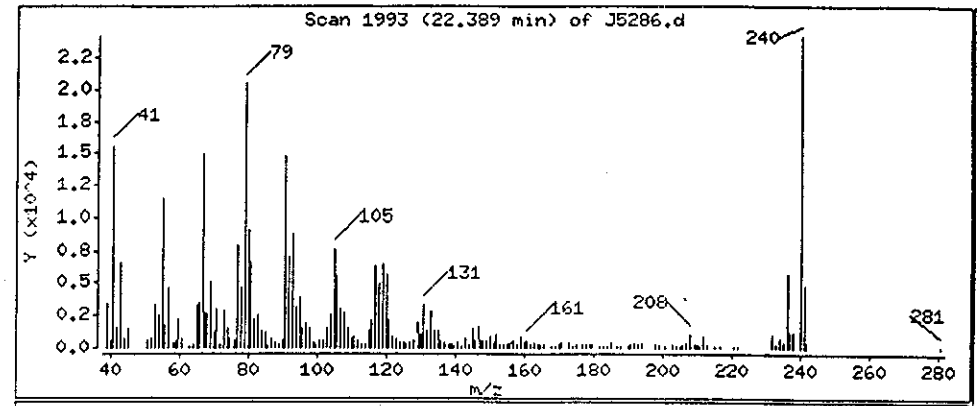
Operator: MS73

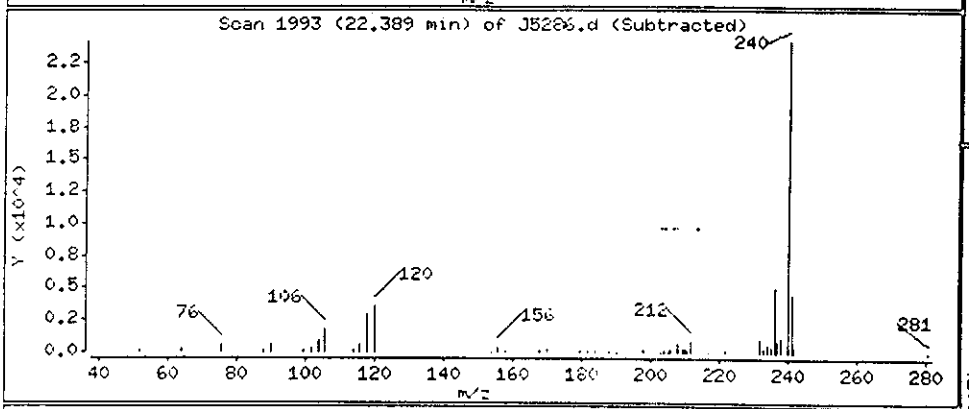
Column phase: RTX-5MS

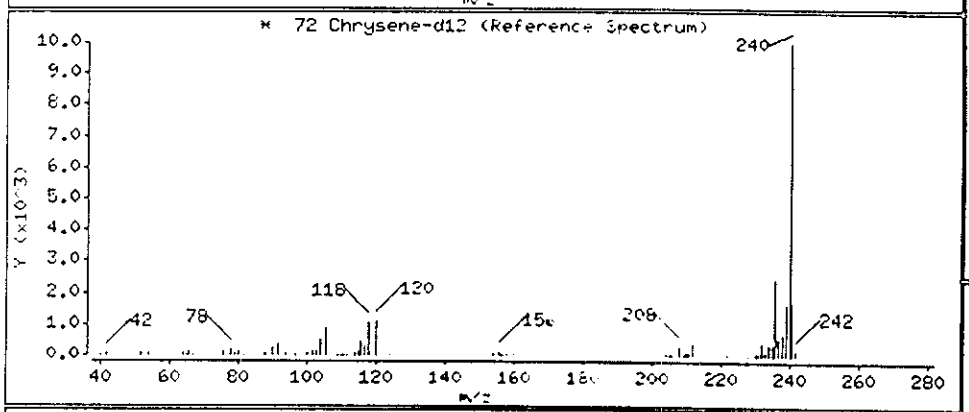
Column diameter: 0.25

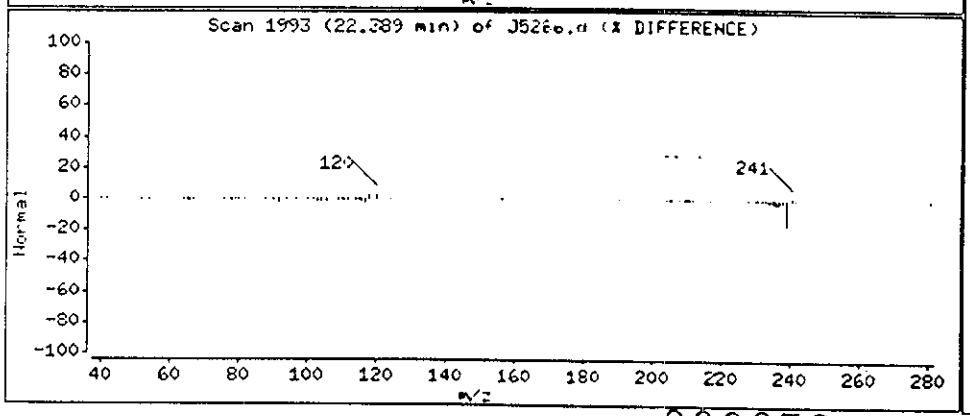
* 72 Chrysene-d12

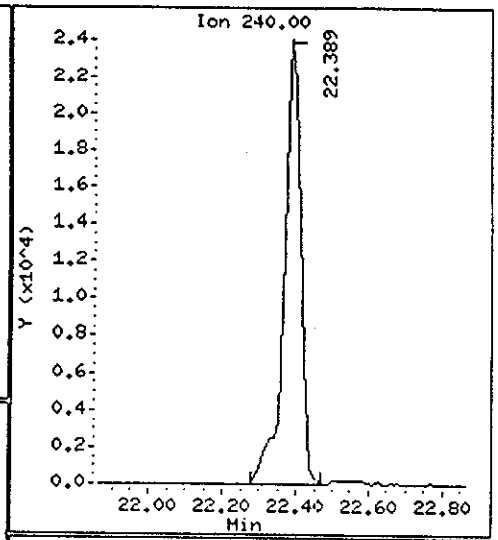
Concentration: 1300 ug/Kg

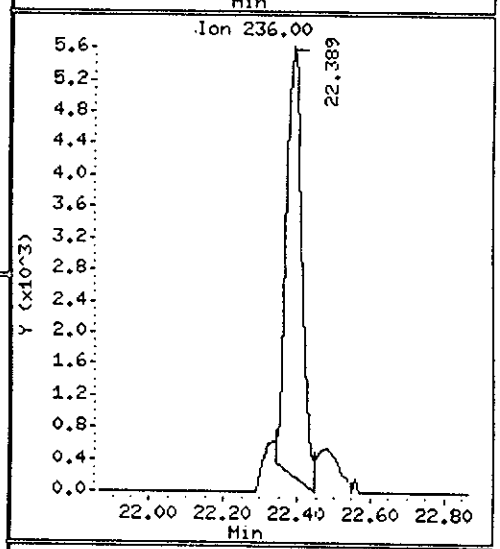


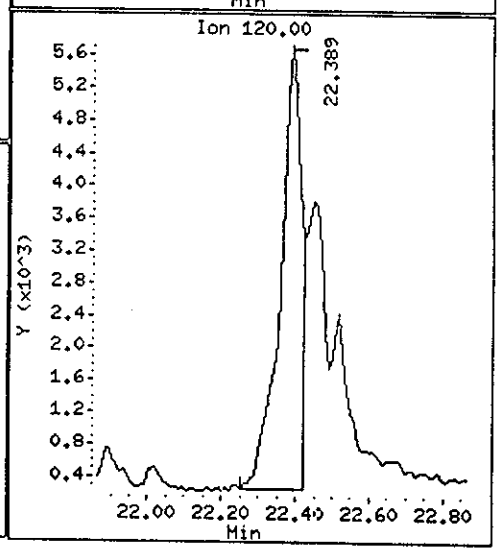












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

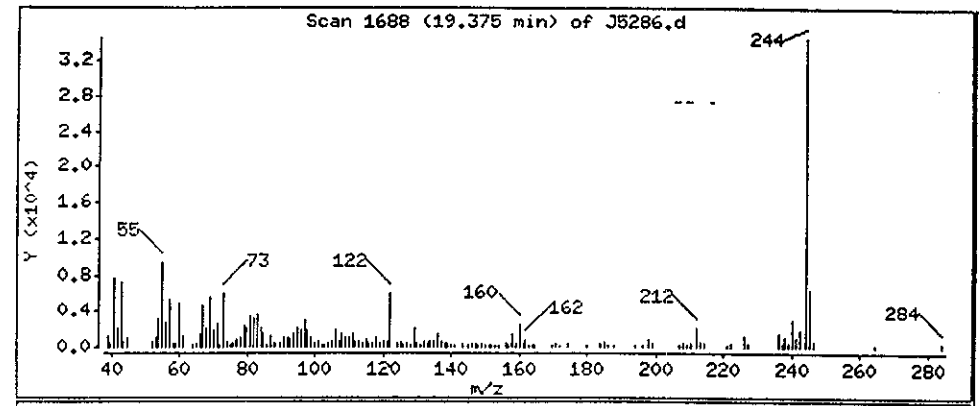
Operator: MS73

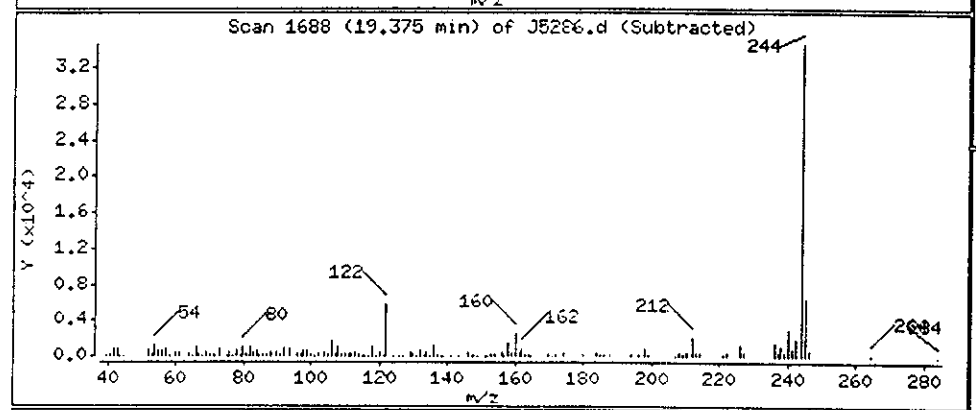
Column phase: RTX-5MS

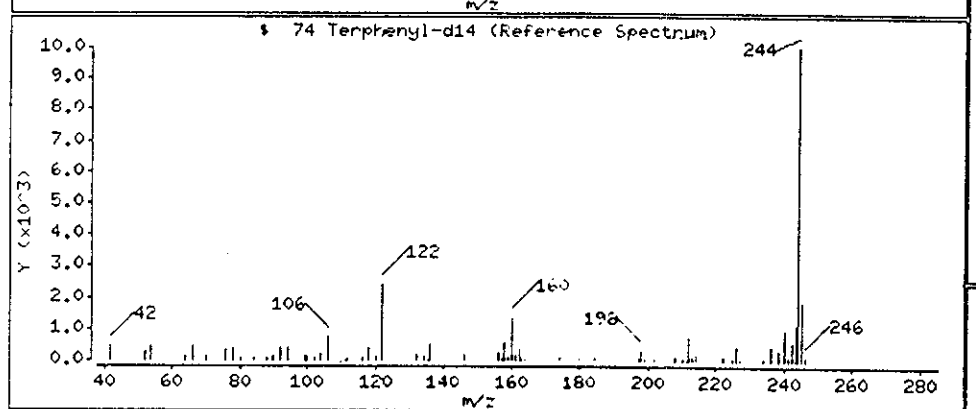
Column diameter: 0.25

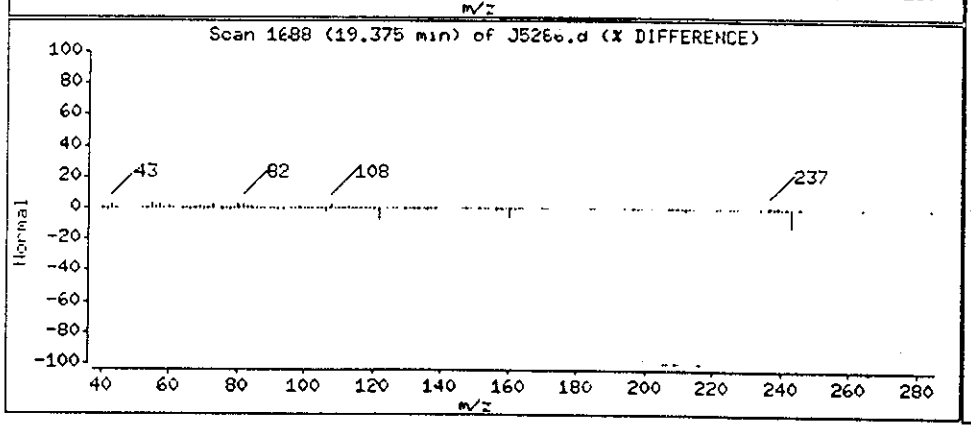
$ 74 Terphenyl-d14

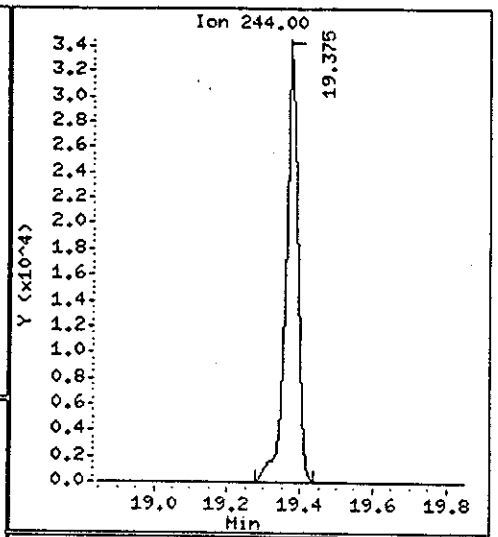
Concentration: 1200 ug/Kg

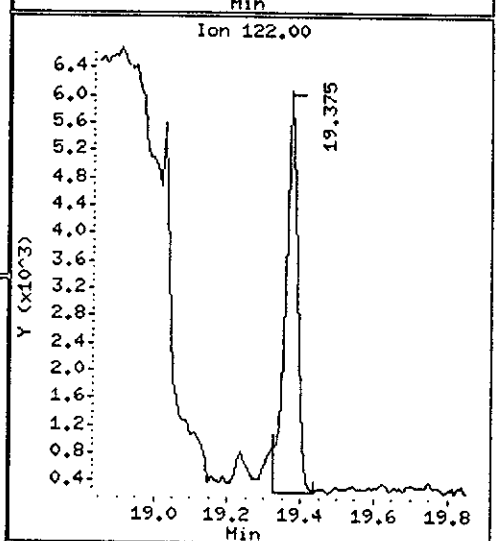


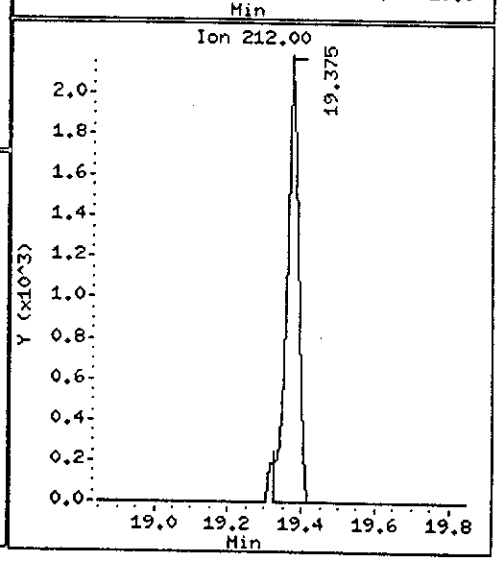












Data File: /chem/SM/MSJ5971.i/2j0926.b/J5286.d

Date : 27-SEP-97 04:36:00

Client ID: 75281-8

Instrument: MSJ5971.i

Sample Info: 09/26/97 QSM0923G S

Volume Injected (uL): 1.0

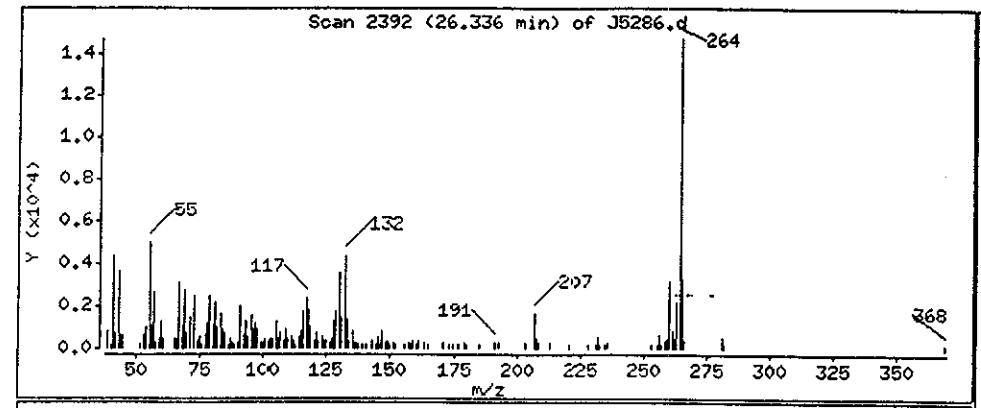
Operator: MS73

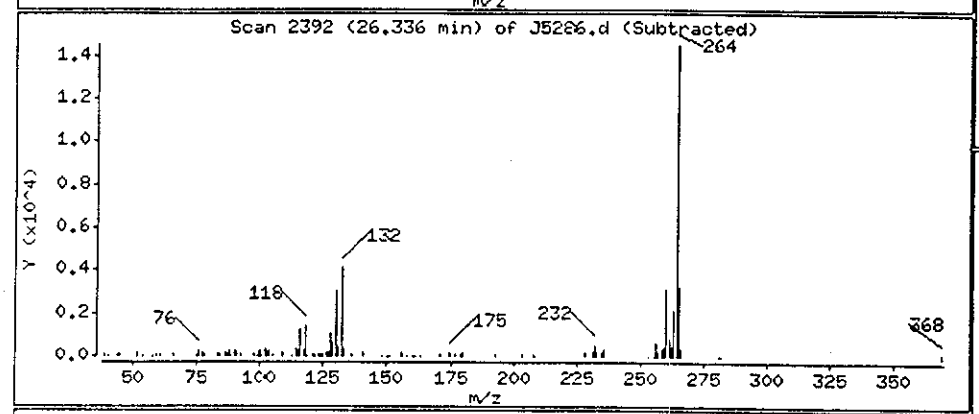
Column phase: RTX-5MS

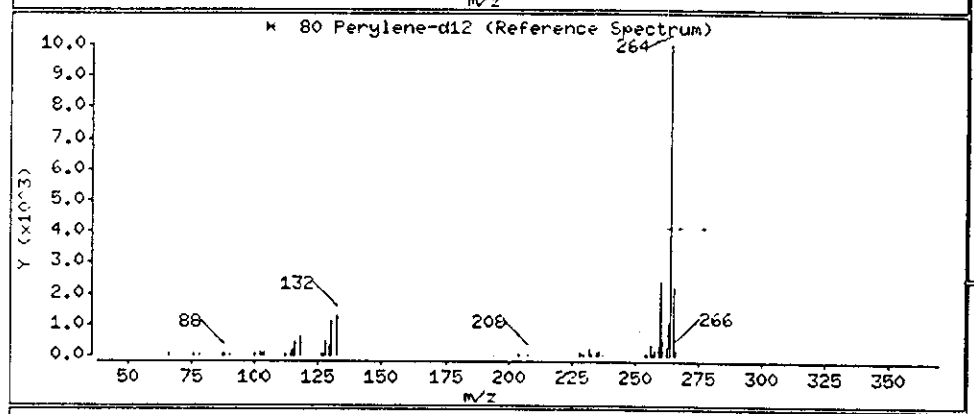
Column diameter: 0.25

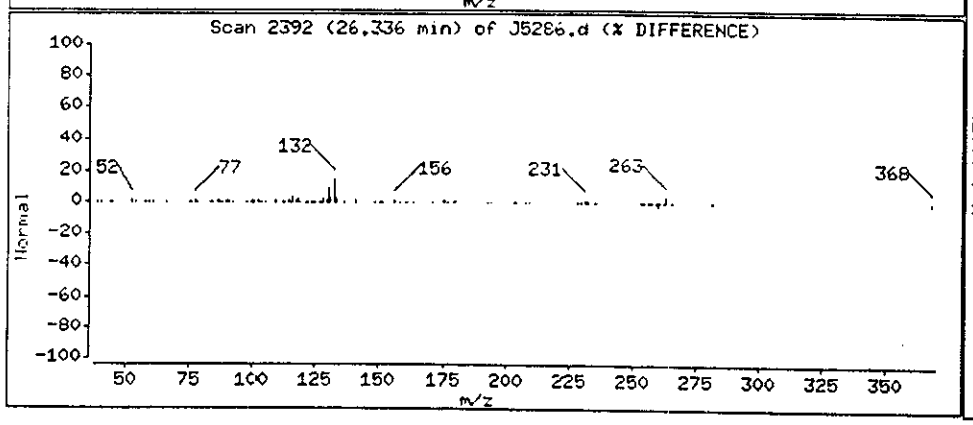
* 80 Perylene-d12

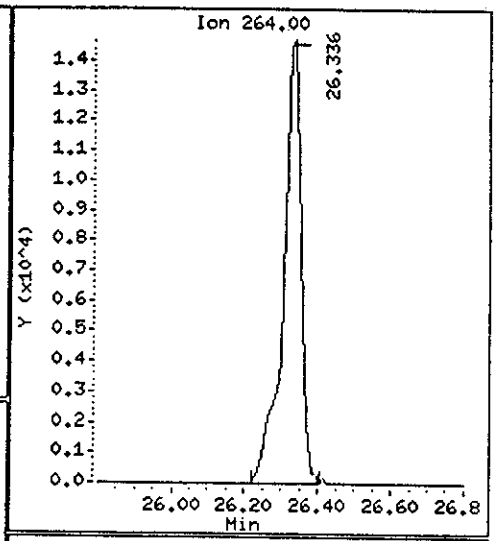
Concentration: 1300 ug/Kg

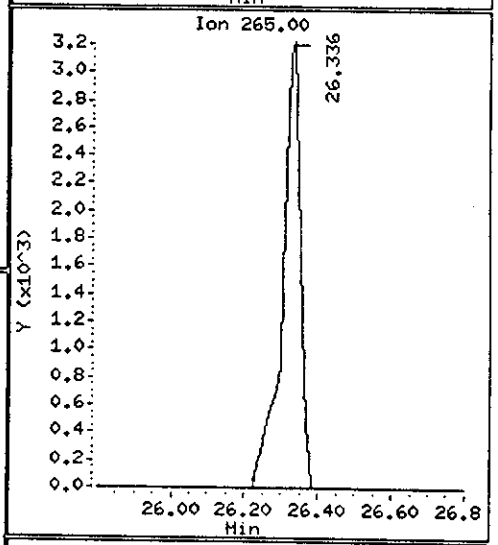


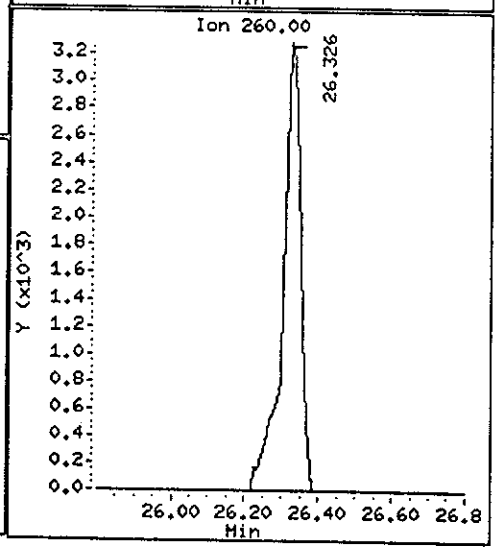












METALS FRACTION

SDG# PEN15

SL PROJECT S775281

ADDENDUM

SAMPLE DATA PACKAGE

INORGANIC FRACTION

CASE NARRATIVE

SDG# PEN15
SL PROJECT#s S775281

Metals Fraction

The following samples were analyzed according to EPA SW-846 methodologies.

SL#	SAMPLE DESCRIPTION	MATRIX
S775281*1	040J400601	Tissue
S775281*2	040J400602	Tissue
S775281*3	041J18B101	Tissue
S775281*4	041J640101	Tissue
S775281*5	041J640601	Tissue
S775281*6	041J330201	Tissue
S775281*7	041J330101	Tissue
S775281*8	041J750101	Tissue

Sample S775281-3 (041J18B101) was the designated matrix spike/matrix spike duplicate.

Upon request by the client the raw data was evaluated to determine if additional metals could be reported. The following metals are reported without qualification: aluminum, antimony, chromium, copper, lead, silver, thallium, and vanadium. SL is also reporting arsenic, cobalt, iron, manganese, nickel, selenium, and zinc as estimated since some of the Interelement Correction Factors could not be applied.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: SAVANNAH_LABORATORIES____

Lab Code: SLSAV_ SDG No.:PEN15___

SL Sample No.	Client Sample ID
_528101_____	040J400601_____
_528102_____	040J400602_____
_528103_____	041J18B101_____
_528104_____	041J640101_____
_528105_____	041J640601_____
_528106_____	041J330201_____
_528107_____	041J330101_____
_528108_____	041J750101_____

Comments:

SAMPLE DATA

INORGANIC FRACTION

1

INORGANIC ANALYSES DATA SHEET

SL Sample No. 528101

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 040J400601

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4.5	U		P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.54	B		P
7440-47-3	Chromium	0.36			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	1.4			P
7439-89-6	Iron	11.7			P
7439-92-1	Lead	1.5			P
7439-96-5	Manganese	2.2			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	1.0			P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.19	U		P
7440-66-6	Zinc	33.3			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No.

528102

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 040J400602

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5.8	B		P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.38	B		P
7440-47-3	Chromium	0.43			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	1.1			P
7439-89-6	Iron	21.3			P
7439-92-1	Lead	2.2			P
7439-96-5	Manganese	7.5			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.19	U		P
7440-66-6	Zinc	27.2			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No.

528103

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 041J18B101

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5.9	B		P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.28	U		P
7440-47-3	Chromium	0.45			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	2.3			P
7439-89-6	Iron	40.2			P
7439-92-1	Lead	0.40	U		P
7439-96-5	Manganese	3.1			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	1.1			P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.19	U		P
7440-66-6	Zinc	33.9			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No.

528104

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 041J640101

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.9			P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.44	B		P
7440-47-3	Chromium	0.69			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	1.2			P
7439-89-6	Iron	34.9			P
7439-92-1	Lead	1.9			P
7439-96-5	Manganese	4.0			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	0.81	B		P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.28	B		P
7440-66-6	Zinc	33.2			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No. 528105

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 041J640601

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17.1			P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.39	B		P
7440-47-3	Chromium	1.1			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	2.0			P
7439-89-6	Iron	51.8			P
7439-92-1	Lead	2.5			P
7439-96-5	Manganese	4.9			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	0.91	B		P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.25	B		P
7440-66-6	Zinc	30.1			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No.

528106

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 041J330201

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.6			P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.72	B		P
7440-47-3	Chromium	0.69			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	1.3			P
7439-89-6	Iron	42.1			P
7439-92-1	Lead	0.47	B		P
7439-96-5	Manganese	21.6			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	1.0			P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	1.1			P
7440-66-6	Zinc	48.7			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No.

528107

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 041J330101

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8.1	B		P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.40	B		P
7440-47-3	Chromium	0.42			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	1.1			P
7439-89-6	Iron	20.7			P
7439-92-1	Lead	0.43	B		P
7439-96-5	Manganese	15.7			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	0.87	B		P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.54	B		P
7440-66-6	Zinc	35.4			P

Comments:

FORM I - IN

1

INORGANIC ANALYSES DATA SHEET

SL Sample No.

528108

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Client Sample ID: 041J750101

Date Received: 09/18/97

% Solids: 100

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.4			P
7440-36-0	Antimony	0.98	U		P
7440-38-2	Arsenic	0.28	U		P
7440-47-3	Chromium	0.41			P
7440-48-4	Cobalt	0.13	U		P
7440-50-8	Copper	0.74			P
7439-89-6	Iron	45.3			P
7439-92-1	Lead	0.40	B		P
7439-96-5	Manganese	7.0			P
7440-02-0	Nickel	0.27	U		P
7782-49-2	Selenium	0.87	B		P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.19	U		P
7440-66-6	Zinc	97.2			P

Comments:

FORM I - IN

QUALITY CONTROL DATA

INORGANIC FRACTION

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV_ SDG No.: PEN15___

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	1000.0	988.35	98.8	5000.0	4915.61	98.3	4923.64	98.5	P
Antimony	1000.0	1028.12	102.8	500.0	514.65	102.9	500.00	100.0	P
Arsenic	1000.0	1035.59	103.6	500.0	487.03	97.4	473.39	94.7	P
Chromium	1000.0	1057.65	105.8	5000.0	5236.30	104.7	5120.10	102.4	P
Cobalt	1000.0	1029.98	103.0	500.0	510.57	102.1	497.74	99.5	P
Copper	1000.0	1061.91	106.2	5000.0	5239.47	104.8	5156.52	103.1	P
Iron	1000.0	1003.32	100.3	5000.0	5005.99	100.1	4911.89	98.2	P
Lead	1000.0	1040.02	104.0	500.0	510.09	102.0	501.18	100.2	P
Manganese	1000.0	1048.70	104.9	5000.0	5079.64	101.6	4976.09	99.5	P
Nickel	1000.0	1058.77	105.9	2500.0	2548.13	101.9	2486.76	99.5	P
Selenium	1000.0	1031.11	103.1	500.0	499.30	99.9	488.51	97.7	P
Silver	1000.0	1013.28	101.3	500.0	502.55	100.5	492.25	98.4	P
Thallium	1000.0	1036.50	103.6	500.0	513.16	102.6	497.28	99.5	P
Vanadium	1000.0	1034.08	103.4	5000.0	5159.06	103.2	5058.94	101.2	P
Zinc	1000.0	1096.57	109.7	2500.0	2605.14	104.2	2543.67	101.7	P

FORM II (PART 1) - IN

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SAVANNAH LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				5000.0	4787.45	95.7	4722.27	94.4	P
Antimony				500.0	499.76	100.0	490.98	98.2	P
Arsenic				500.0	465.40	93.1	461.75	92.4	P
Chromium				5000.0	5029.98	100.6	4956.38	99.1	P
Cobalt				500.0	490.32	98.1	484.33	96.9	P
Copper				5000.0	5187.45	103.7	5134.86	102.7	P
[illegible]on				5000.0	4809.38	96.2	4763.81	95.3	P
[illegible]ad				500.0	487.28	97.5	481.02	96.2	P
Manganese				5000.0	4915.58	98.3	4851.29	97.0	P
Nickel				2500.0	2448.48	97.9	2418.74	96.7	P
Selenium				500.0	483.03	96.6	481.16	96.2	P
Silver				500.0	492.16	98.4	488.84	97.8	P
Thallium				500.0	501.39	100.3	495.13	99.0	P
Vanadium				5000.0	5011.32	100.2	4952.62	99.1	P
Zinc				2500.0	2510.78	100.4	2480.73	99.2	P

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV_ SDG No.: PEN15___

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				5000.0	4757.53	95.2			P
Antimony				500.0	493.30	98.7			P
Arsenic				500.0	467.70	93.5			P
Chromium				5000.0	5011.75	100.2			P
Cobalt				500.0	490.64	98.1			P
Copper				5000.0	5124.37	102.5			P
Iron				5000.0	4840.88	96.8			P
Lead				500.0	485.57	97.1			P
Manganese				5000.0	4906.34	98.1			P
Nickel				2500.0	2447.38	97.9			P
Selenium				500.0	480.63	96.1			P
Silver				500.0	490.98	98.2			P
Thallium				500.0	497.58	99.5			P
Vanadium				5000.0	4999.03	100.0			P
Zinc				2500.0	2504.05	100.2			P

FORM II (PART 1) - IN

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

AA CRDL Standard Source: _____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum				100.0	73.78	73.8	71.29	71.3
Antimony				5.0	2.86	57.2	0.00	0.0
Arsenic				10.0	6.08	60.8	6.38	63.8
Chromium				2.0	0.95	47.5	0.00	0.0
Cobalt				5.0	3.90	78.0	2.80	56.0
Copper				5.0	3.52	70.4	3.47	69.4
Iron				50.0	28.03	56.1	4.66	9.3
Lead				5.0	5.42	108.4	4.54	90.8
Manganese				10.0	10.47	104.7	9.93	99.3
Nickel				5.0	3.58	71.6	3.75	75.0
Selenium				10.0	9.99	99.9	9.87	98.7
Silver				5.0	2.59	51.8	0.61	12.2
Thallium				10.0	5.89	58.9	6.68	66.8
Vanadium				10.0	9.82	98.2	10.93	109.3
Zinc				20.0	21.71	108.6	21.03	105.2

FORM II (PART 2) - IN

BLANKS

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

Preparation Blank Matrix (soil/water): SOIL_

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	45.0	U	45.0	U	45.0	U	45.0	U	4.500	U	P
Antimony	9.8	U	9.8	U	9.8	U	9.8	U	0.980	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	-0.376	B	P
Chromium	-1.8	B	1.2	U	1.2	U	1.2	U	0.120	U	P
Cobalt	-1.6	B	1.3	U	1.3	U	1.3	U	-0.176	B	P
Copper	2.0	U	2.1	B	2.0	U	2.0	U	0.200	U	P
Iron	-38.1	B	28.0	U	28.0	U	28.0	U	2.800	U	P
Lead	4.0	U	4.0	U	4.0	U	4.0	U	0.400	U	P
Manganese	0.5	U	1.4	B	1.3	B	1.6	B	0.050	U	P
Nickel	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Selenium	3.9	B	3.2	B	1.7	U	1.7	U	0.230	B	P
Silver	-2.6	B	-1.4	B	-1.2	B	0.6	U	-0.242	B	P
Thallium	3.9	U	3.9	U	3.9	U	3.9	U	-0.798	B	P
Vanadium	1.9	U	3.3	B	2.0	B	3.4	B	0.190	U	P
Zinc	3.6	U	3.6	U	3.6	U	3.6	U	0.360	U	P

FORM III - IN

BLANKS

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			45.0	U	45.0	U					
Antimony			9.8	U	9.8	U					P
Arsenic			-4.5	B	-3.7	B					P
Chromium			-1.8	B	1.2	U					P
...balt			-2.3	B	1.3	U					P
...pper			2.0	U	2.0	U					P
Iron			-45.4	B	28.0	U					P
Lead			4.0	U	4.0	U					P
Manganese			0.5	U	0.6	B					P
Nickel			2.7	U	2.7	U					P
Selenium			2.3	B	1.8	B					P
Silver			-3.6	B	-2.5	B					P
Thallium			-4.4	B	3.9	U					P
Vanadium			1.9	U	1.9	U					P
Zinc			3.6	U	3.6	U					P

FORM III - IN

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ ICS Source: SPEX_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	499760	499760	474744	468672.9	93.8	462364	458258.9	91.7
Antimony								
Arsenic								
Chromium		499		514.9	103.2		503.3	100.9
Cobalt		501		500.2	99.8		491.9	98.2
Copper		500		571.3	114.3		567.9	113.6
Iron	201250	201250	193960	189555.3	94.2	187549	186589.6	92.7
Lead		1001		1037.4	103.6		1004.0	100.3
Manganese		500		534.6	106.9		525.7	105.1
Nickel		999		1014.3	101.5		996.7	99.8
Selenium								
Silver		1001		1123.0	112.2		1114.7	111.4
Thallium								
Vanadium		500		513.9	102.8		507.1	101.4
Zinc		997		1124.7	112.8		1103.3	110.7

FORM IV - IN

5A
SPIKE SAMPLE RECOVERY

SL Sample No.

528103S

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix: SOIL

% Solids for Sample: 100

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	196.6970		5.9370	B	200.00	95.4		P
Antimony	75-125	18.5676		0.9800	U	20.00	92.8		P
Arsenic	75-125	18.3320		0.2800	U	20.00	91.7		P
Chromium	75-125	19.8713		0.4547		20.00	97.1		P
Cobalt	75-125	18.8196		0.1300	U	20.00	94.1		P
Copper	75-125	23.5497		2.3434		20.00	106.0		P
Iron	75-125	132.2280		40.2350		100.00	92.0		P
d	75-125	18.2438		0.4000	U	20.00	91.2		P
ganese	75-125	52.8635		3.0543		50.00	99.6		P
Nickel	75-125	18.6555		0.2700	U	20.00	93.3		P
Selenium	75-125	18.1124		1.1350		20.00	84.9		P
Silver	75-125	4.8304		0.0600	U	5.00	96.6		P
Thallium	75-125	18.4560		0.3900	U	20.00	92.3		P
Vanadium	75-125	19.4330		0.1900	U	20.00	97.2		P
Zinc	75-125	83.1368		33.9481		50.00	98.4		P

Comments:

FORM V (Part 1) - IN

5A
SPIKE SAMPLE RECOVERY

SL Sample No.

528103SD

Lab Name: SAVANNAH LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix: SOIL

% Solids for Sample: 100

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	197.7280		5.9370	B	200.00	95.9		P
Antimony	75-125	18.3453		0.9800	U	20.00	91.7		P
Arsenic	75-125	18.1388		0.2800	U	20.00	90.7		P
Chromium	75-125	19.9448		0.4547		20.00	97.5		P
Cobalt	75-125	18.7465		0.1300	U	20.00	93.7		P
Copper	75-125	23.8347		2.3434		20.00	107.5		P
Iron	75-125	143.5610		40.2350		100.00	103.3		P
ad	75-125	18.5113		0.4000	U	20.00	92.6		P
nganese	75-125	53.1413		3.0543		50.00	100.2		P
Nickel	75-125	18.8030		0.2700	U	20.00	94.0		P
Selenium	75-125	18.1758		1.1350		20.00	85.2		P
Silver	75-125	4.4696		0.0600	U	5.00	89.4		P
Thallium	75-125	18.3080		0.3900	U	20.00	91.5		P
Vanadium	75-125	19.6324		0.1900	U	20.00	98.2		P
Zinc	75-125	83.3554		33.9481		50.00	98.8		P

Comments:

FORM V (Part 1) - IN

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SL Sample No.

528103A

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water) : SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									
Antimony									NR
Arsenic									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Manganese									NR
Nickel									NR
lenium									NR
lver									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

FORM V (Part 2) - IN

5B
POST DIGEST SPIKE SAMPLE RECOVERY

SL Sample No.

528103AD

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water) : SOIL

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Aluminum									
Antimony									NR
Arsenic									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Manganese									NR
Nickel									NR
[illegible]enium									NR
[illegible]ver									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

FORM V (Part 2) - IN

6
DUPLICATES

SL Sample No.

528103SD

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

% Solids for Sample: 100

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		196.6970		197.7280		0.5		
Antimony		18.5676		18.3453		1.2		P
Arsenic		18.3320		18.1388		1.1		P
Chromium		19.8713		19.9448		0.4		P
Cobalt		18.8196		18.7465		0.4		P
Copper		23.5497		23.8347		1.2		P
Iron		132.2280		143.5610		8.2		P
Lead		18.2438		18.5113		1.5		P
Manganese		52.8635		53.1413		0.5		P
Nickel		18.6555		18.8030		0.8		P
Selenium		18.1124		18.1758		0.3		P
Silver		4.8304		4.4696		7.8		P
Thallium		18.4560		18.3080		0.8		P
Vanadium		19.4330		19.6324		1.0		P
Zinc		83.1368		83.3554		0.3		P

FORM VI - IN

LABORATORY CONTROL SAMPLE

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

Solid LCS Source: SPEX_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				197.8	206.1		137.5	258.1	104.2
Antimony				19.0	17.1		13.3	24.7	90.0
Arsenic				19.2	17.6		13.4	25.0	91.7
Chromium				21.1	20.4		14.7	27.5	96.7
Cobalt				20.4	19.6		14.2	26.6	96.1
Copper				20.3	20.0		14.2	26.4	98.5
Iron				95.6	99.1		66.5	124.7	103.7
d				19.9	19.2		13.9	25.9	96.5
ganese				51.5	50.8		35.8	67.2	98.6
Nickel				20.6	19.8		14.4	26.8	96.1
Selenium				19.8	16.8		13.8	25.8	84.8
Silver				4.8	4.6		3.4	6.2	95.8
Thallium				20.6	18.5		14.4	26.8	89.8
Vanadium				20.8	19.9		14.5	27.1	95.7
Zinc				49.9	50.2		34.7	65.1	100.6

FORM VII - IN

STANDARD ADDITION RESULTS

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.:PEN15___

Concentration Units: ug/L

SL Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

FORM VIII - IN

9

ICP SERIAL DILUTION

SL Sample No.

528103L

Lab Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV

SDG No.: PEN15

Matrix (soil/water): SOIL

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	59.37	B	61.76	U	100.0		P
Antimony	3.44	U	17.20	U			P
Arsenic	2.84	U	14.21	U			P
Chromium	4.55		6.16	U	100.0		P
Cobalt	1.12	U	5.60	U			P
Copper	23.43		17.71	B	24.4		P
Iron	402.35		251.80		37.4		P
Lead	3.13	B	6.50	U	100.0		P
Manganese	30.54		30.36	B	0.6		P
Nickel	2.00	U	10.02	U			P
Selenium	11.35		19.43	B	71.2		P
Silver	1.93	U	9.66	U			P
Thallium	2.35	U	11.76	U			P
Vanadium	1.86	B	5.91	U	100.0		P
Zinc	339.48		362.99		6.9		P

FORM IX - IN

PREPARATION LOG

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.:PEN15___

Method: P_

SL Sample No.	Preparation Date	Weight (gram)	Volume (mL)
528101	09/24/97	1.00	100
528102	09/24/97	1.00	100
528103	09/24/97	1.00	100
528103S	09/24/97	1.00	100
528103SD	09/24/97	1.00	100
528104	09/24/97	1.00	100
528105	09/24/97	1.00	100
528106	09/24/97	1.00	100
528107	09/24/97	1.00	100
528108	09/24/97	1.00	100
LCSS-1	09/24/97	1.00	100
PBS-1	09/24/97	1.00	100

FORM XIII - IN

ANALYSIS RUN LOG

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.:PEN15___

Instrument ID Number: TRACE61E_____ Method: P_

Start Date: 09/26/97 End Date: 09/26/97

SL Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	CR	CO	CU	FE	PB	MN	NI	SE	AG	TL	V	ZN									
S0	1.00	1303		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
S2	1.00	1306			X	X					X			X	X	X											
S4	1.00	1309		X						X							X										
S3	1.00	1311					X	X	X			X	X					X									
S5	1.00	1313																									
S-S5	1.00	1315		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
S-S3	1.00	1318		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
S-S4	1.00	1321		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
S-S2	1.00	1324		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
ICVP-1	1.00	1327		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
3-1	1.00	1330		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
VP-1	1.00	1333		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCB-1	1.00	1336		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CRII	1.00	1339		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CRII	1.00	1342																									
ICSA-I	1.00	1345		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
ICSAB-I	1.00	1348		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCVP-2	1.00	1351		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCB-2	1.00	1354		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
PBS-1	1.00	1357		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
LCSS-1	1.00	1401		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528101	1.00	1404		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528102	1.00	1418		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528103	1.00	1421		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528103L	5.00	1425		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528103S	1.00	1428		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528103SD	1.00	1431		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
528103A	1.00	1434																									
528103AD	1.00	1437																									
CCVP-3	1.00	1440		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCB-3	1.00	1443		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCVP-4	1.00	1511		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.:PEN15___

Instrument ID Number: TRACE61E_____ Method: P_

Start Date: 09/26/97 End Date: 09/26/97

SL Sample No.	D/F	Time	% R	Analytes																						
				AL	SB	AS	CR	CO	CU	FE	PB	MN	NI	SE	AG	TL	V	ZN								
CCB-4	1.00	1514		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
528104	1.00	1517		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
528105	1.00	1520		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
528106	1.00	1524		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
528107	1.00	1527		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
528108	1.00	1531		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
CRIF	1.00	1534		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
CRIF	1.00	1538																								
ICSA-F	1.00	1541		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
ICSAB-F	1.00	1545		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
VP-5	1.00	1548		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
B-5	1.00	1551		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								

FORM XIV - IN

QUARTERLY VERIFICATION OF INSTRUMENT PARAMETERS

INORGANIC FRACTION

Instrument Detection Limits (Quarterly)

I Name: SAVANNAH_LABORATORIES

Lab Code: SLSAV SDG No.: PEN15

ICP ID Number: TRACE61E Date: 07/10/97

Flame AA ID Number :

Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.21		100	12.4	P
Antimony	206.83		20	3.4	P
Arsenic	189.04		10	2.8	P
Chromium	267.71		2	1.2	P
Cobalt	228.61		5	1.1	P
Copper	324.75		5	1.5	P
Iron	271.44		50	21.0	P
Lead	220.35		10	1.3	P
Manganese	257.61		10	0.2	P
Nickel	231.60		5	2.0	P
Selenium	196.02		10	2.6	P
Silver	328.06		5	1.9	P
Thallium	190.86		10	2.4	P
Vanadium	292.40		10	1.2	P
Zinc	213.85		20	0.9	P

Comments:

FORM X - IN

10

Method Detection Limits

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ Date: February 1995

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	MDL (ug/L)	M
Aluminum	308.21		100	45.0	P
Antimony	206.83		20	9.8	P
Arsenic	189.04		10	2.8	P
Chromium	267.71		2	1.2	P
Cobalt	228.61		5	1.3	P
Copper	324.75		5	2.0	P
Iron	271.44		50	28.0	P
Lead	220.35		10	4.0	P
Manganese	257.61		10	0.5	P
Nickel	231.60		5	2.7	P
Selenium	196.02		10	1.7	P
Silver	328.06		5	0.6	P
Thallium	190.86		10	3.9	P
Vanadium	292.40		10	1.9	P
Zinc	213.85		20	3.6	P

Comments:

FORM X - IN

11A
ICP Interelement Correction Factors (Annually)

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ Date: 09/16/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	BA_
Aluminum__	_308.21__	_0.0000000	_0.0000000_	-0.0001005	_0.0000000	_0.0000000
Antimony__	_206.83__	_0.0000048	_0.0000000_	-0.0001025	_0.0000000	_0.0000000
Arsenic___	_189.04__	-0.0000004	_0.0000000_	-0.0000010	_0.0000000	-0.0000100
Chromium__	_267.71__	_0.0000000	_0.0000000_	_0.0000007	_0.0000000	_0.0000000
Cobalt____	_228.61__	_0.0000000	_0.0000000_	-0.0000041	_0.0000000	_0.0000000
Copper____	_324.75__	_0.0000012	_0.0000000_	-0.0001872	_0.0000000	_0.0000000
Iron_____	_271.44__	_0.0000000	_0.0000000_	_0.0000000	_0.0001190	_0.0000000
Lead_____	_220.35__	-0.0000720	_0.0000000_	_0.0000658	_0.0000032	_0.0000000
Manganese_	_257.61__	_0.0000037	_0.0000000_	_0.0000010	_0.0000348	_0.0000000
Nickel____	_231.60__	_0.0000000	_0.0000000_	-0.0000024	_0.0000000	_0.0000000
Selenium__	_196.02__	-0.0000005	_0.0000000_	-0.0001717	_0.0000023	_0.0000000
Silver____	_328.06__	_0.0000019	_0.0000000_	-0.0000007	_0.0000000	_0.0000000
Thallium__	_190.86__	-0.0000183	_0.0000000_	-0.0000462	_0.0000000	_0.0000000
Vanadium__	_292.40__	_0.0000000	_0.0000000_	-0.0002600	_0.0000000	_0.0000000
Zinc_____	_213.85__	-0.0000002	_0.0000000_	_0.0001148	_0.0000128	_0.0000000

Comments:

FORM XI (Part 1) - IN

11B
ICP Interelement Correction Factors (Annually)

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ Date: 09/16/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : CD_	CO_	CR_	CU_	MN_
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	-0.0005911	0.0102960	0.0000000	-0.0001280
Arsenic	189.04	0.0000000	0.0000000	-0.0065620	0.0000000	0.0000180
Chromium	267.71	0.0000000	0.0000280	0.0000000	0.0000000	0.0001350
Cobalt	228.61	-0.0007310	0.0000000	0.0001230	0.0000000	-0.0000120
Copper	324.75	0.0000000	-0.0014480	-0.0000490	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0890500	0.0031000	0.0000000	-0.0004630
Lead	220.35	0.0000000	-0.0020316	0.0000073	-0.0000027	0.0000930
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	-0.0000260	-0.0000450	0.0000000	0.0000000
Selenium	196.02	0.0000000	-0.0002342	0.0000436	0.0000000	0.0002927
Silver	328.06	0.0000000	0.0000150	0.0000000	0.0000000	0.0000760
Thallium	190.86	0.0000000	0.0028200	0.0003000	0.0000000	-0.0076660
Vanadium	292.40	0.0000000	0.0000000	-0.0014120	0.0000000	0.0000000
Zinc	213.85	0.0000000	0.0000000	0.0000000	0.0001600	0.0000000

Comments:

FORM XI (Part 2) - IN

11B
ICP Interelement Correction Factors (Annually)

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ Date: 09/16/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : MO_	NI_	SB_	SN_	V__
Aluminum	308.21	0.0136100	0.0000000	0.0000000	0.0000000	0.0153190
Antimony	206.83	0.0004148	-0.0005521	0.0000000	0.0001794	-0.0019613
Arsenic	189.04	0.0003300	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.71	0.0000240	0.0000000	0.0000000	0.0000000	-0.0000300
Cobalt	228.61	-0.0023800	0.0001250	0.0000000	0.0000000	-0.0000200
Copper	324.75	0.0004130	0.0000000	0.0000000	0.0000000	-0.0000030
Iron	271.44	0.0004840	0.0000000	0.0000000	0.0000000	0.0090600
Lead	220.35	-0.0006617	0.0000201	0.0000000	0.0000000	-0.0001428
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001440
Nickel	231.60	0.0000000	0.0000000	-0.0031850	0.0000000	0.0000000
Selenium	196.02	0.0000413	0.0000000	0.0000000	0.0000000	-0.0000744
Silver	328.06	-0.0004680	0.0000000	0.0000000	0.0000000	-0.0009310
Thallium	190.86	-0.0001500	0.0000000	0.0000000	0.0000000	0.0017580
Vanadium	292.40	-0.0001510	0.0000000	0.0000050	0.0000000	0.0000000
Zinc	213.85	-0.0001470	0.0043060	0.0000000	0.0000300	0.0000000

Comments:

FORM XI (Part 2) - IN

11B
ICP Interelement Correction Factors (Annually)

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ Date: 09/16/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : ZN_	___	___	___	___
Aluminum	308.21	0.0000000				
Antimony	206.83	-0.0001565				
Arsenic	189.04	0.0000000				
Chromium	267.71	0.0000000				
Cobalt	228.61	0.0000000				
Copper	324.75	0.0000000				
Iron	271.44	0.0000000				
Lead	220.35	0.0000000				
Manganese	257.61	0.0000000				
Nickel	231.60	0.0000000				
[illegible]enium	196.02	0.0000000				
[illegible]ver	328.06	0.0000000				
Thallium	190.86	0.0000000				
Vanadium	292.40	0.0000000				
Zinc	213.85	0.0000000				

Comments:

FORM XI (Part 2) - IN

ICP Linear Ranges (Quarterly)

Lab Name: SAVANNAH_LABORATORIES_____

Lab Code: SLSAV__ SDG No.: PEN15___

ICP ID Number: TRACE61E____ Date: 07/10/97

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	10.00	800000.0	P
Antimony	10.00	10000.0	P
Arsenic	10.00	25000.0	P
Chromium	10.00	25000.0	P
Cobalt	10.00	25000.0	P
Copper	10.00	50000.0	P
Iron	10.00	800000.0	P
Lead	10.00	5000.0	P
Manganese	10.00	50000.0	P
Nickel	10.00	10000.0	P
Selenium	10.00	25000.0	P
Silver	10.00	5000.0	P
Thallium	10.00	30000.0	P
Vanadium	10.00	50000.0	P
Zinc	10.00	20000.0	P

Comments:

FORM XII - IN

Appendix D

Comparison of Digestion Techniques in Analyses for Total Metals in Marine Sediments

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Environmental Contamination and Toxicology

mparison of Digestion Techniques in Analyses for Total Metals in Marine Sediments

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It is generally recognized that in order to achieve a complete dissolution all metals within a sediment, some combination of hydrofluoric acid (HF) with other acids is required to release all metals from their silicate structures. This is because silicates are resistant to most mineral acids. Previous studies by Loring and Rantala (1988) assessed laboratory variability in determining total metal concentrations using hydrofluoric acid (HF) and nitric acid (NA) dissolution and extraction procedures. Studies on trace metal concentrations in estuarine and coastal marine sediments from the southeast US, and Florida in particular, recognized the need for a HF digestion (Windom et al. 1989). Schropp et al. (1990) used a HF digestion method to determine 'natural' metal-to-aluminum relationships for Florida sediments.

T eet the requirements of the federal Comprehensive E. ronmental Response, Compensation and Liability Act (CERCLA), USEPA has established the Contract Laboratory Program (CLP) as an analytical standard. This method employs a NA digestion for estuarine and marine sediment metals analysis. However, since digestion method techniques under the CLP program are different than those used by Schropp et al. (1990), a comparison of the methods was in order. The results of this comparison could allow using the regression lines provided by FDER (1988) or Schropp et al. (1990) on sediments analyzed under the CLP for CERCLA. The overall study objective was to determine if metal data analyzed by a CLP NA digestion was comparable to metal data produced by using a HF digestion method.

MATERIALS AND METHODS

Twenty-nine locations within Pensacola Bay and Bayou Grande, Florida, were randomly selected for a

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comparative sediment digestion analysis. These sampling locations were examined after selection to ensure a variety of bottom types. This was done to prevent one bottom type from dominating the study. From December 1995 to February 1996, sediment samples were collected using a stainless-steel Ekman grab (529 cm^2). Two grab samples were collected from the top 5 to 6-cm and placed in a stainless-steel mixing bowl for compositing. From this composite sample, pre-cleaned containers were filled for immediate shipment to the laboratory. Samples were stored and shipped on ice within 24 hrs by a priority delivery service.

Each of the 29 samples were divided by the lab into two aliquots to be analyzed by inductively coupled plasma (ICP) emission spectroscopy. One aliquot would be digested in accordance with the standard procedure using NA, while the other would utilize a 50:50 mixture of HF and NA (1:1). Both digestion methods use 1 g (wet weight ± 0.50 g) of sediment weighed into an acid-washed Teflon beaker. Under the CLP NA digestion, the sample is allowed to reflux at 95°C with 10 mL of 1:1 nitric acid for 10 minutes without boiling. The digestate was then allowed to cool and 30% hydrogen peroxide added in 1 mL aliquots until no further vigorous effervesce was noted. No more than 10 mL of hydrogen peroxide was added at any time. Since these samples were to be analyzed by ICP, hydrochloric acid was added to the final acid-peroxide digestate. Insoluble materials were then filtered through a Whatman no.42 filter and brought to 100 mL volume by adding ASTM Type II water.

The method was modified to include the HF by using 5 mL of HF and 5 mL of NA (1:1) allowing the mixture to sit at room temperature for eight to twelve hrs. Next gentle heat (~ 70° C) was applied and the samples were allowed to reflux for eight to twelve hrs. The higher temperatures used in the CLP procedure would cause the HF mixture to boil. It was believed that boiling the acid mixture may affect the study results. At the end of this period another 5 mL of each acid was added to the samples. The samples were again refluxed for eight to twelve hrs at ~ 70°C. As before, hydrochloric acid was added to the digestate, filtered, and brought to 100 mL volume by adding ASTM Type II water.
Both types of digestates were analyzed for total metals in accordance with the CLP inorganic statement of work ILM03.0 for ICP. To meet the requirements of this study, trace ICP emission spectroscopy was used to

provide low level analysis modifying the interference check sample to include low level arsenic and lead.

The individual metal analytical results were first tested for relationships between the two digestion procedures. To illustrate the relationship between the HF and NA digestates, scatter plots were produced. Each ordered pair (x,y) representing x = NA and y = HF was plotted as a point; the similarity between the different digestion methods is illustrated by their closeness to the x = y line. If x is greater than y, most of the data will fall below the line. When y exceeds x, the data will lie largely above the x = y line.

To test whether the HF digestion tended to produce overall larger values than those produced by NA digestion, the Mann-Whitney rank-sum test was employed (Helsel and Hirsh, 1995). This non-parametric procedure can assess whether two independent groups differ. This non-parametric approach was used rather than a parametric t-test based on the results of normality testing. Although these distributions could be transformed to approach normality, justification for the use of a non-parametric versus a parametric test was based on discussions by Blair and Higgins (1980). They found that small deviations from a normal distribution were not always detectable in normality tests on small data sets, and that the use of non-parametric methods, such as the Mann-Whitney rank-sum test, exhibited large advantages in power over the t-test.

Finally, data produced by both digestion methods were plotted on regression lines found in FDER (1988) to evaluate where each digestion distribution for each metal occurred relative to the Schropp et al. (1990) and FDER (1988) regression lines for 'clean' sediments. It was hoped that differences in the digestion methods might be clarified so that past and future CLP NA data could be assessed with these regressions.

RESULTS AND DISCUSSION

Table 1 provides a comparison of descriptive statistics produced from the two digestion procedures. Comparing the mean and median results for HF to CLP NA digestion revealed no apparent differences with the exception of nickel. The distributions are likely not normal suggested by the high standard deviations. Based on the

Mann-Whitney Test, no statistical significant difference was found between the two data sets.

Table 1. Descriptive Statistics for HF and NA Metals Digestion Methods

	N	Mean (mg/kg)	Median (mg/kg)	St. Dev.	SE Mean	Mann-Whitney[a] Results
HF-Al	29	11,869	3,640	15,836	2,941	+
NA-Al	29	8,134	3,490	10,448	1,940	
HF-As	29	5.63	2.20	6.52	1.21	+
NA-As	29	6.18	3.20	7.08	1.32	
HF-Cd	29	1.15	0.46	1.15	0.21	+
NA-Cd	29	1.03	0.45	1.03	0.19	
HF-Cr	29	54.4	13.3	72.1	13.4	+
NA-Cr	29	47.8	10.4	62.5	11.6	
HF-Cu	29	13.11	6.6	15.23	2.83	+
NA-Cu	29	11.59	6.8	12.90	2.40	
HF-Pb	29	34.73	20.8	42.64	7.92	+
NA-Pb	29	36.73	16.3	43.14	8.01	
HF-Ni	29	9.27	2.7	16.6	3.09	+
NA-Ni	29	4.46	2.6	4.9	0.91	
HF-Zn	29	54.7	18.9	66.0	12.3	+
NA-Zn	29	48.9	28.6	55.8	10.4	

NOTE:
[a] No significant difference (α=0.05) between method results indicated by +.
St.Dev. = standard deviation
SE = standard error

Scatter plots provided in Figure 1 exhibit a comparison of the two methods relative to increasing metal content. A general observation should be noted that metal content appears to be directly proportional to the variability observed. The data suggests nickel is more effectively dissolved at greater concentrations by the HF digestion method. It has been suggested that this may be due to nickel remaining bound to the matrix during the NA digestion. Cadmium also exhibited extreme variability as concentrations increased. The symmetrical nature of cadmium's scatter plot (Figure 1) suggests the precision of the method may be the problem

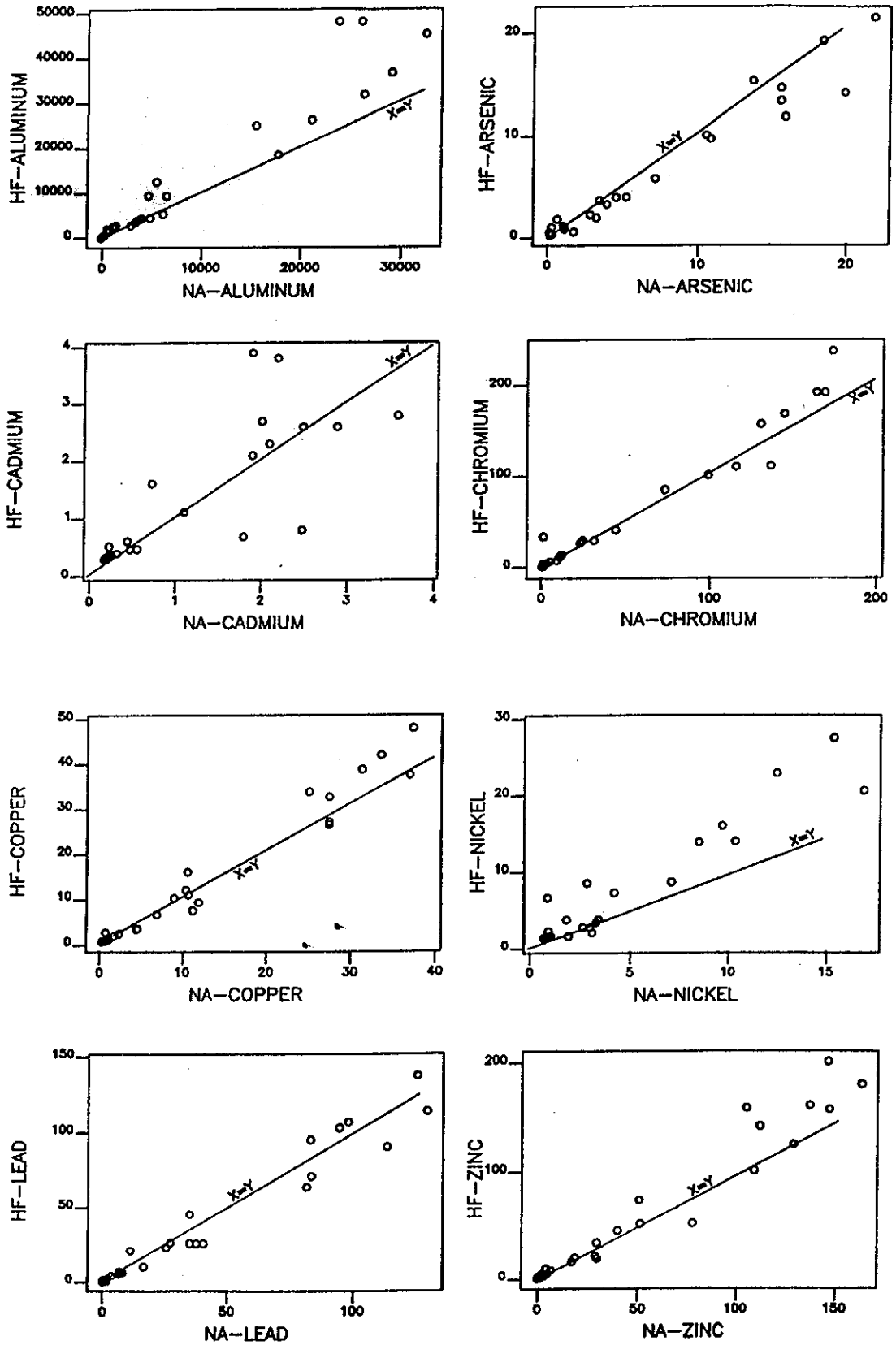

Figure 1 Metal concentrations (mg/Kg) from nitric (NA) and hydrofluoric (HF) digestion methods.

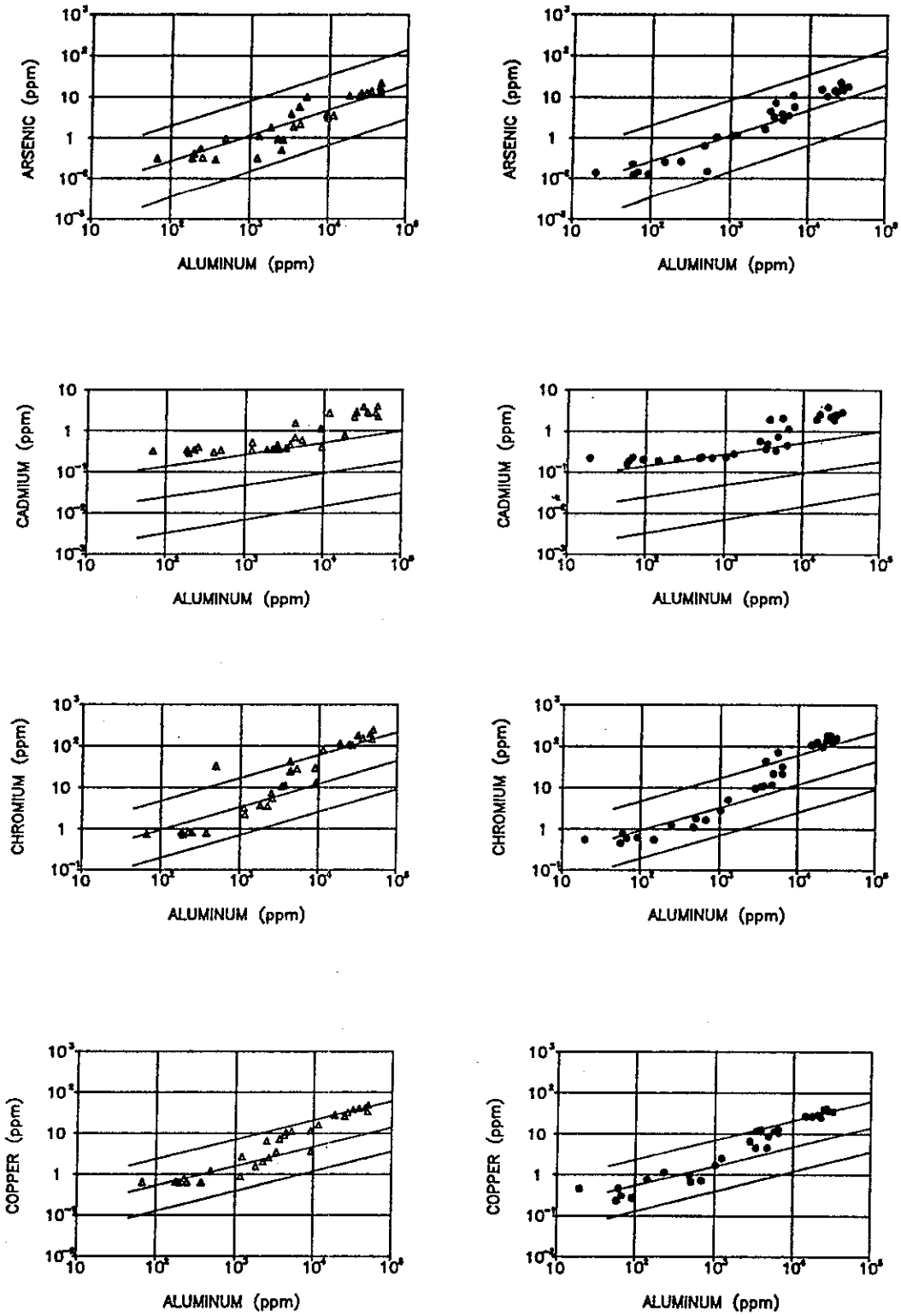

Figure 2. Nitric (NA) and hydrofluoric acid (HF) digestion results plotted on Florida (FDER, 1988) regression lines.

● = NITRIC ACID
△ = HYDROFLUORIC ACID

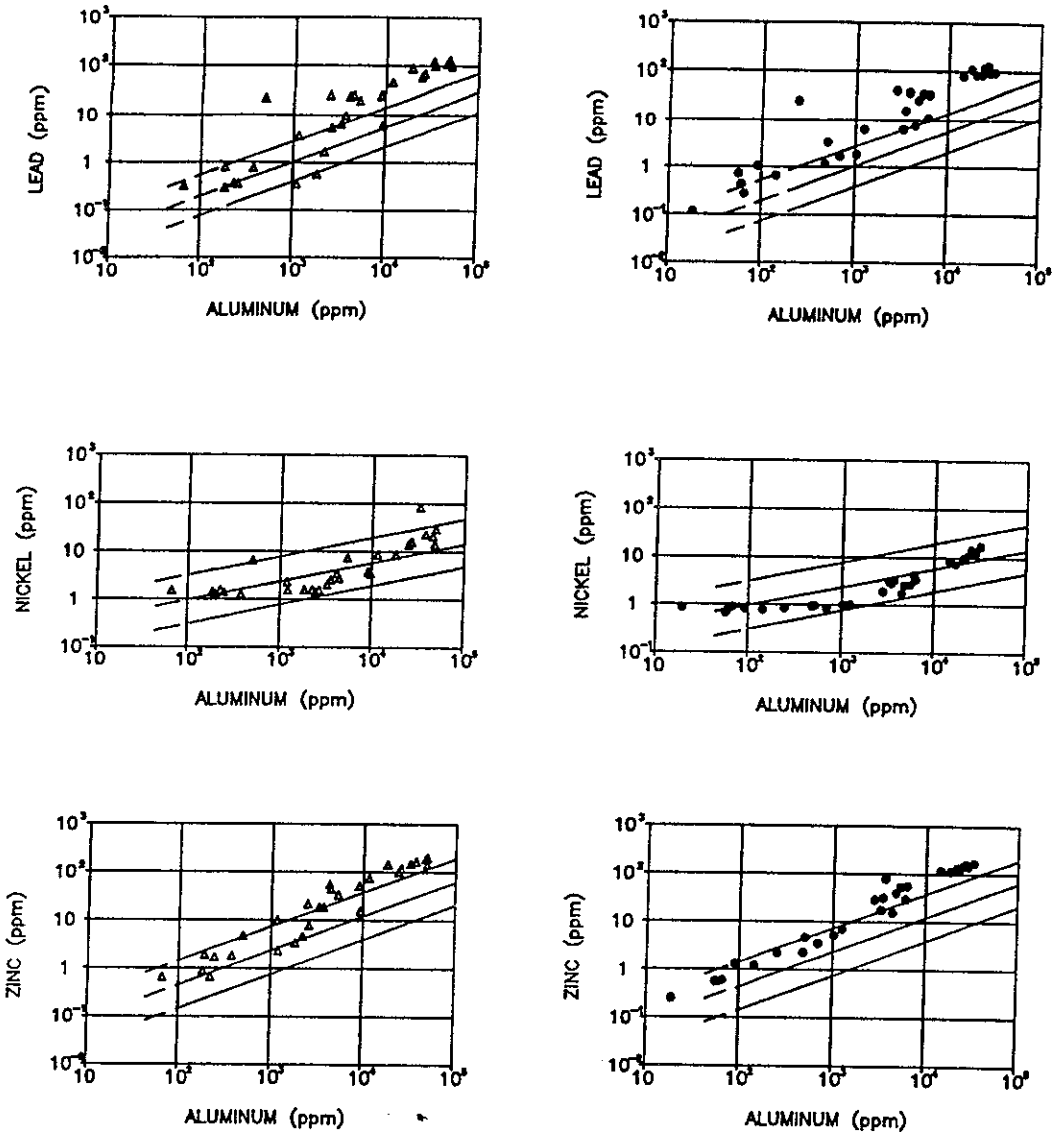

Figure 2. (cont.) Nitric (NA) and hydrofluoric acid (HF) digestion results plotted on Florida (FDER, 1988) regression lines.

● = NITRIC ACID
△ = HYDROFLUORIC ACID

and is not a function of the digestion technique used. The primary differences between the digestion methods were the HF addition, the length of reflux time, and the digestion temperature. Despite these differences, the aggressive HF digestion did not produce a significant difference in metals being dissolved for analysis.

The two data sets plotted on the FDER (1988) regression lines suggests that individual HF results appear higher than those produced by NA (Figure 2). This is likely due to the longer digestion time and aggressive nature of HF. Each metal has its own character of course, some metals appear identical. These findings suggest that ratios produced by the two methods are comparable. The data produced by NA methods conservatively predict anthropogenic metal contamination on the FDER (1988)regression lines.

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Appendix E

Toxicological Test Methods

SOP 517.1:F 28 Day Chronic Toxicity Tests Using *Leptocheirus plumulosus* with Sediments

OBJECTIVE:

To determine chronic lethal effects of dredged, environmental, or spiked sediment samples to *Leptocheirus plumulosus*.

METHOD:

ASTM Designation E 1367-92 Guide for Conducting 10-day Static Sediment Toxicity Tests with Marine & Estuarine Amphipods.

Chesapeake Bay Program (CBP) cooperative agreement with EPA. Development of a Chronic Sediment Toxicity Test for Marine Benthic Amphipods. Dec. 1992.

A. Preparation and Handling of Organisms

Amphipods are cultured in house using natural sea water at 20 ppt salinity.

Leptocheirus are cultured at 25°C and are provided with a substrate 2-4 cm of sediment. Amphipods, < 1 day old, are selected from the 1.9 L bowl with a small bore pipette and placed into 10 mLs of test water in a 30 mL beaker. Ten amphipods are accumulated in each beaker before going on to the next.

After test organisms have been sorted and counted, two beakers of ten amphipods are randomly combined into one replicate of the test sediment. Any animals caught in the surface tension are pushed below the surface with a smooth glass rod or water from a pipette.

B. Exposure Sediment Preparation

Sediment samples are logged into test substance log upon arrival and arrival temperature recorded. Sediments are stored at 4 °C in a walk in cooler until press sieving and/or test initiation. Sediment is press sieved through a 1.0 mm screen (when silty) or a 2.0 mm screen (when sandy) to remove plant debris, predators, and shell or rock fragments.

The press sieved sediment is then mixed with a stainless steel blade until sediment is thoroughly homogenized. Two hundred mls of prepared sediment (press sieved and homogenized) is placed into a 1 liter glass jar, becoming one replicate; five replicates represent one sediment sample.

Natural sea water is added to each test vessel to bring the total volume up to 950 mLs. Water is added over the sediment utilizing a turbidity reducer, allowing sediments to clear and settle out quicker.

C. Test Vessels

Each exposure consists of five 1 liter glass beakers containing 200 mLs of sediment and 750 mLs of overlying test water.

D. Test Loading

The amphipods are introduced into the test vessels as follows: A three millimeter (mm) bore glass pipette is used to capture the amphipods (< 1 day old) and transfer them to a 30 ml Nalgene® beaker with 10 ml of dilution water. Ten organisms are accumulated in each beaker. After the beakers are acclimated to test conditions, two beakers are combined into each test vessel thereby introducing 20 organisms into each replicate and 100 amphipods per sediment sample.

E. Test Conditions

The following experiment conditions are maintained throughout the test:

Temperature:	25 ± 2°C
Light Ovality:	Ambient laboratory illumination
Light Intensity:	50 - 100 fc
Photoperiod:	16L:8D
Test Vessel:	1000 ml beaker
Volume of Exposure Sediment:	200 ml
Dilution Water:	Natural sea water
Salinity:	For Environmental Sediments: Salinity of overlying water should match that of the sediment pore water.

	For Spiked Sediments: 20 ppt.
Volume of Dilution Water:	750 mls (to 950 ml mark)
Replicates per Sample:	5
Organisms per Replicate:	20
Duration of Test:	28 days
Feeding:	3 X/week, 400 mLs algae at 10^6 cells/mL 10 mg gorp/rep.
End Points:	Recovery at test termination 1.0 mm sieve - F_o - generation (adults) count, meaure, sex survivors 0.25 m sieve - F_1 -generation (offspring) stain & preserve, count unger magnification

F. Daily Monitoring

Monitoring of physical parameters (pH, temperature, dissolved oxygen) is accomplished daily to record and maintain test conditions. Salinity is checked on feeding days (3x week). Each replicate (jar) is observed daily for mortality or molts, which are pulled from the jar and recorded on a daily observation sheet.
All meters are caliberated in accordance with TRAC's QAP and recorded in the appropriate calibration log.

G. Feeding

Food is provided three times per week by using a screened siphon tube to remove approximately 400 mLs/beaker of overlying sea water and replacing this with a salinity adjusted algal-sea water mixture and 10 mg of a dry food mixture (gorp). The algae is prepared as a 1:1 v/v mixture of *Pseudoisochrysis paradoxa* and *Phaeodactulum tricernutum* to a final density of 10^6 cells/mL. The gorp is a finely ground, dry mixture of 25% of each: Tetramin, Tetra conditioning flakes, cerophyll and shrimp maturation pellets. The gorp mixture is mixed with NSW at 20 ppt salinity with the resulting final concentration of 10

mg/mL. One milliliter of the gorp suspension is pipetted into each exposure chamber at the time of water renewal and feeding.

H. Test Termination

Studies are terminated at 28 days and each replicate is emptied to determine amphipod survival. The contents of each jar is poured into a 1.0 mm nitex screen sieve and rinsed with water to rid excess silt or sand. When sediment is silty, *Leptocheirus* will burrow into the sediment. The sieve is immersed in a bucket of NSW to allow the amphipod's carapace to get caught on the surface tension. Test organisms are pulled out with a screen and placed in a nalgene (150 ml) speciment cup. If all amphipods are found within a replicate, they are determined to be dead or alive, counted, measured, their sex determined and the data recorded on the breakdown data sheet. The remaining sediment water slurry is then passed through a 0.25 mm sieve. Animals collected on the sieve are saved, stained and preserved for later counts. Data counts from the breakdown sheet are tabulated and entered into the TOXSTAT program for statistical analysis to determine significant mortality compared to control organisms.

SOP 516.1:F Chronic Toxicity Tests using *Mysidopsis bahia* with Sediments

OBJECTIVE:

To determine chronic lethal effects of dredged, environmental, or spiked sediment samples to *Mysidopsis bahia*.

METHOD:

ASTM E 1367-92. Guide for Conducting 10-day Static Sediment Toxicity Tests with Marine and Estuarine Amphipods.

ASTM E 1391-90. Guide for the Collection, Storage, Characterization and Manipulation of Sediments for Toxicological Testing.

U.S. EPA, 1994, EPA/600/4-91/003. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Marine and Estuarine Organisms.

A. Preparation and Handling of Organisms

Mysids are cultured in house using natural sea water of 20 ppt salinity, and are maintained at 25°C for seven days prior to test initiation. Pooled 7-day old mysids are selected from the 1.9 L bowl with a small bore pipette and placed into 10 mLs of test water in a 30 mL beaker. Five mysids are accumulated in each beaker before going on to the next.

After test organisms have been sorted and counted, one beaker of five mysids is added to one replicate of the test sediment.

B. Exposure Sediment Preparation

Sediment samples are logged into test substance log upon arrival and arrival temperature recorded. Sediments are stored at 4 °C in a walk in cooler until press sieving and/or test initiation. Sediment is press sieved through a 1.0 mm screen (when silty) or a 2.0 mm screen (when sandy) to remove plant debris, predators, and shell or rock fragments.

The press sieved sediment is then mixed with a stainless steel blade until sediment is thoroughly homogenized. Two hundred mLs of prepared sediment (press sieved and homogenized) is placed into a 1 liter glass jar, becoming one replicate; eight replicates represent one sediment sample.

Exposure concentrations for sediments are prepared by mixing a volume:volume measure of control sediment and sediment to be tested. Concentrations are 100, 50, 25 and 10%.

Natural sea water of 20 ppt salinity is added to each test vessel to bring the total volume up to 950 mLs. Water is added over the sediment utilizing a turbidity reducer, allowing sediments to clear and settle out quicker.

C. Test Vessels

Each exposure consists of eight 1 liter glass beakers containing 200 mLs of sediment and 750 mLs of overlying test water.

D. Test Loading

The mysids are introduced into the test vessels as follows: A three millimeter (mm) bore glass pipette is used to capture the amphipods (size 2-3 mm) and transfer them to a 30 ml Nalgene® beaker with 10 ml of dilution water. Five organisms are accumulated in each beaker. After the beakers are acclimated to test conditions, one beaker is re;eased into each test vessel thereby introducing 5 organisms into each replicate and 40 mysids per sediment sample.

E. Test Conditions

The following experiment conditions are maintained throughout the test:

Temperature:	25 ± 2°C
Light Ovality:	Ambient laboratory illumination
Light Intensity:	50 - 100 fc
Photoperiod:	16L:8D
Test Vessel:	1000 ml beaker
Volume of Exposure Sediment:	200 ml
Dilution Water:	Natural sea water at 20 ppt salinity
Salinity:	20 ppt

Volume of Dilution Water:	750 mls (to 950 ml mark)
Replicates per Sample:	8
Organisms per Replicate:	5
Duration of Test:	7 days
End Points:	Survival, fecundity and dry weights

F. Daily Monitoring

Monitoring of physical parameters (pH, temperature, dissolved oxygen) is accomplished daily to record and maintain test conditions. Salinity is checked on days 0, 3, 7, and 10. Each replicate (jar) is observed daily for mortality or molts, which are pulled from the jar and recorded on a daily observation sheet. All meters are caliberated in accordance with TRAC's QAP and recorded in the appropriate calibration log.

G. Test Termination

Studies are terminated at 7 days and each replicate is emptied to determine mysid survival. The contents of each jar is poured into a nitex screen sieve and rinsed with water to rid excess silt or sand. Mysids are collected into a 50 mL beaker and allowed to swim in cleam (sediment free) 20 ppt NSW. If all mysids are found within a replicate, they are determined to be dead or alive, microscopically examined to determine their reproductive stage, counted and recorded on the breakdown data sheet. Mysids are collected by replicate into tared aluminum weigh boats and placed in a drying oven. Dry wights are obtained the next day. Data counts from the breakdown sheet are tabulated and entered into the TOXSTAT program for statistical analysis to determine significant mortality compared to control organisms.

JUVENILE POLYCHAETE SEDIMENT BIOASSAY

OVERVIEW

This protocol is for conducting a bioassay in which the survival and change in biomass of juvenile polychaetes (*Neanthes* sp.) are determined following a 20-day exposure to test sediments. Parameters measured to determine the effects of exposure include mortality, total biomass, and average individual biomass. Sediments can be either naturally occurring, field-collected samples, or sediments that have been experimentally modified (e.g., sediment mixed with other sediment to form a gradient of sediment types or sediment to which chemicals have been added). This bioassay is conducted as a static renewal exposure, and food (i.e., TetraMarin®) is provided to the test organisms during the exposure period to promote body tissue increases. Following the 20-day exposure period, all surviving worms are collected, dried to a constant weight, and total and average individual biomass are determined.

INTRODUCTION

Neanthes sp., a marine nereid polychaete, is widely distributed throughout the world, and has been collected in New England, Florida, California, Europe, and the central Pacific Ocean (Reish 1980). Laboratory cultures of *Neanthes* have been successfully maintained since 1964. Pesch et al. (1988) reported a difference in chromosome numbers from two populations (collected in Connecticut and California, respectively) of *Neanthes*. In addition to the differences observed in chromosome numbers, differences were also noted in the morphology indicating that these populations represent different species. Although specimens from both populations have been used in testing, almost all the testing data are associated with experiments conducted with specimens from the California population. The procedures discussed in this protocol are for *Neanthes* originating from the California population.

Since 1966, various life stages of *Neanthes* have been used as bioassay organisms for a wide variety of investigations including evaluating the effects of dissolved oxygen concentrations, nutrients, salinity, temperature, metals, pesticides, hydrocarbons, and contaminated sediments on survival, growth, and reproduction. In addition, *Neanthes* has also been used to investigate the effects of mutagens (Pesch et al. 1981; Pesch and Pesch 1980) and irradiation (Jones et al. 1983) on marine organisms; an interlaboratory comparison has been conducted with a *Neanthes* 28-day flow-through seawater toxicity test (Pesch and Hoffman 1983); and a 96-hour acute sediment bioassay using *Neanthes* is currently being used for dredged material testing by the U.S. Army Corps of Engineers, Los Angeles District (Reish and Lemay 1988).

Species Sensitivity

Neanthes has been used to evaluate the toxicity of a wide variety of contaminants including metals, hydrocarbons, and multicontaminated media (i.e., sediments). Examples of the types of toxicity tests conducted with *Neanthes* and species sensitivity are presented in Table 4.

Reish (1984) summarized data on the sensitivity of *Neanthes* to metals. In comparison to other polychaetes, *Neanthes* appears to be moderately sensitive to most metals tested. Studies indicate that mercury and copper are the most toxic to *Neanthes*, followed by aluminum, cadmium, chromium, zinc, lead, and nickel.

Ecological Importance

Neanthes is distributed on the west coast from Mexico to southern California (Reish 1980). *Neanthes* has not been collected from Puget Sound. The family Nereidae is widely distributed and is a dominant taxa in intertidal and subtidal habitats. In Puget Sound, the nereid *Platynereis bicanaliculata* is a dominant member of the polychaete fauna at many sites (Lie 1968; PTI and Tetra Tech 1988a,b). *P. bicanaliculata* is morphologically similar to *Neanthes* in jaw structure and is also recorded to be an omnivore, feeding on algae and other detritus (Fauchald and Jumars 1979). Both species also build similar tubes of organic material and display similar aggressive behavior patterns (Gray 1974).

USE AND LIMITATIONS

The *Neanthes* sublethal bioassay is used to characterize the toxicity of marine sediments based on worm survival and growth. Data reported by Johns and Ginn (1990b) indicate that the level of contamination affecting juvenile growth in *Neanthes* is similar to the level of contamination that affects reproductive success. The bioassay may be used alone (e.g., as a screening tool in broad-scale sediment surveys), in combination with sediment chemistry and *in situ* biological indices, and in laboratory experiments to address various sediment and water quality manipulations. The following constraints apply:

- The bioassay should be conducted with laboratory-cultured juvenile *Neanthes*
- Modification of the protocol may be required for tests conducted at salinities (both interstitial and overlying water) less than 20 ppt.

TABLE 4. SENSITIVITY OF *NEANTHES* TO VARIOUS CONTAMINANTS

Contaminant	Lowest Concentration for Observed Effect (mg/L)	Endpoint	Test Duration	Reference
Aluminum	>2.0	Mortality	4 days	Petrich and Reish (1979)
Cadmium (as $CdCl_2$)	3 1	Mortality Reproduction	28 days Life cycle	Reish (1980) Reish and Gerlinger (1984)
Chromium (as CrO_3)	0.6	Mortality	28 days	Reish (1980)
Hexavalent chromium (as $K_2Cr_2O_7$)	0.0125	Reproduction	Life cycle	Oshida (1976)
Copper	0.1	Mortality	29 days	Pesch and Morgan (1978)
Lead (as $Pb(CH_3CO)_2$)	3.2 0.97	Mortality Reproduction	28 days Life cycle	Reish (1980) Reish and Gerlinger (1984)
Mercury (as $HgCl_2$)	0.17	Mortality	28 days	Reish (1980)
Nickel	49.0	Mortality	4 days	Petrich and Reish (1979)
Silver (as $AgNO_3$)	0.165	Mortality	28 days	Pesch and Hoffman (1983)
Zinc (as $ZnSO_4$)	1.4 0.32	Mortality Reproduction	28 days Life cycle	Reish (1980) Reish and Gerlinger (1984)
DDT	0.1	Mortality	28 days	Reish (1985)
No. 2 fuel oil	2.7	Mortality	4 days	Rossi and Anderson (1976)
South Louisiana crude oil	12.5	Mortality	4 days	Rossi and Anderson (1976)

FIELD PROCEDURES

Collection

Test Animals—*Neanthes* are not indigenous to Puget Sound and test organisms must be obtained from laboratory cultures. (See *Laboratory Procedures* section for a discussion on culturing and obtaining test organisms.)

Sediment—Control, reference and test sediments should be collected in solvent-cleaned glass containers that have PTFE-lined lids and have been cleaned according to the procedures described in the section entitled *General QA/QC Guidelines*. Each jar should be filled completely to exclude air. A minimum sediment sample size of 0.25 liters for each bioassay chamber is recommended for all sediment types. Because five replicate tests are conducted for each field sample, a minimum sample size of 1.25 liters is recommended for each station.

Processing

Test Animals—Not applicable.

Sediment—All sediments should be stored at 4°C in the dark. Holding time should not exceed 14 days.

LABORATORY PROCEDURES

Test Animals

Culturing—Almost all *Neanthes* used for laboratory tests come from laboratory cultures. Culturing techniques have been described by Reish (1980) and Pesch and Schauer (1988). Under laboratory conditions, the *Neanthes* life cycle is completed in 3–4 months at 20–22°C.

Cultures of adult *Neanthes* are maintained in glass aquaria under static (with monthly renewal) or flow-through water conditions. After sexually mature males and females pair, the pairs can be isolated in jars and maintained until juveniles are ready to be removed and used for testing. Eggs are laid within the worm tube, and the female dies within 2–3 days. The zygotes are cared for by the surviving male. Larvae emerge from the worm tube in approximately 3 weeks (at 20–22°C) following fertilization. Hatched larvae feed on yolk reserves until

emergence from the adult worm tube. Following emergence, the juvenile worms are capable of feeding and building independent tubes. Until testing, the juvenile worms are maintained without sediment and are provided TetraMarin® (a food source) and powdered alga (either *Enteromorpha* or *Ulva* sp.). Enough powdered alga (sieved to less than 0.3 mm) should be provided to cover the bottom of the aquarium. The powdered alga provides material for tube construction and increases survival (Pesch and Schauer 1988).

Shipping and Holding—Juvenile *Neanthes* are obtained from laboratory cultures. If test organisms are obtained from an outside source, enough time should be allotted to allow the worms to acclimate prior to starting a test. *Neanthes* can be shipped by overnight courier without significant mortality. Worms are typically packed in plastic bags containing seawater with 50 organisms per bag. Each bag should contain several fronds of dried *Enteromorpha*. This alga can be collected, dried, and stored for extended periods. Prior to use, the alga should be soaked in seawater. The bags are shipped in a hard-sided container (e.g., cardboard box). When the shipment arrives at the laboratory, the worms, still in the plastic bags, are placed in a holding aquarium containing seawater at the proper test temperature. The worms are released from the bags after temperature equilibration. The worms are maintained in the holding aquarium for 1-2 days prior to initiation of the bioassays. The holding time will provide for acclimation between the culture temperature and the anticipated testing temperature and for observation of the condition of the test organisms to ensure that the bioassay is conducted with healthy individuals.

Neanthes juveniles should be held in all-glass aquaria containing clean seawater and provided with gentle aeration [see Pesch and Schauer (1988) if flowing seawater is available]. Water temperature is maintained at 20 ± 1°C, and salinity is maintained at the salinity at which the bioassay will be conducted. Enough powdered green alga (*Enteromorpha* or *Ulva* sp.) should be provided to cover the bottom of the holding tank.

During the holding period, organisms are provided with TetraMarin® on an every-other-day basis. The amount of food provided should be calculated at approximately 8 mg (dry weight) per juvenile, but the tank should be observed following feeding to determine if the food is being consumed. If it is not being consumed, then the amount of food provided should be reduced in order to avoid potential water fouling problems. If the entire amount of food provided is being eaten, then an increase in the food ration might be appropriate.

No water changes in the holding tank are required if the worms are being maintained in the aquaria for less than 1 week. If the worms are to be maintained for a longer period, then the water should be replaced with fresh seawater once every 2 weeks. Rising salinity, due to evaporative losses during the holding period, can be compensated for by adding sufficient distilled water to lower the salinity to the desired level.

Test Animal Size—The size of juvenile worms used in the bioassays is potentially a critical factor to the eventual success of the bioassay. Worms should be 0.5–1.0 mg (dry

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weight) (i.e., 2-3 weeks post-emergence) to ensure that they are in a rapid growth phase during the exposure period. Worms of this age are large enough to be easily handled to avoid errors in placing the correct number of worms in each exposure chamber. For consistency in aging test organisms, initiation of emergence should be considered as the point when feeding juveniles emerge from the egg case. Commencement of feeding can be identified by the presence of food particles in the digestive tract.

Feeding Requirements—Several different types of food have been used in culturing *Neanthes*, including alfalfa flour, powdered alga (*Enteromorpha* or *Ulva* sp.), TetraMarin®, and prawn flakes. Of these foods, prawn flakes and TetraMarin® appear to provide the best and most consistent growth throughout the life cycle. Because of potential problems in obtaining a consistent supply of prawn flakes, TetraMarin® should be used. TetraMarin® should be provided to juveniles maintained in holding tanks prior to testing and during the exposure period. In both cases, the worms should be fed on an every-other-day basis. The amount of food provided should be calculated at approximately 8 mg (dry weight) per juvenile *Neanthes*.

Control and Reference Sediments

In addition to exposure chambers containing test sediments, exposure chambers containing control and reference sediments are also prepared. Control sediment is typically collected from the site at which the test organism is found or the substrate in which the organism is cultured. The sediment provides a nontoxic sediment for evaluation of the condition of the test organisms being used in the bioassay. For the *Neanthes* bioassay, sand should be used as the control sediment.

Sand was initially chosen as an appropriate control sediment based on the work of Pesch and Hoffman (1982), who used sand as a substrate in a series of experiments with *Neanthes*. They reported no significant mortality associated with maintaining the worms in sand. For the sublethal bioassay test demonstration study (Johns 1988) and subsequent testing (Johns and Ginn 1990a,b), sand collected from West Beach on Whidbey Island, Washington, was used as the control sediment. *Neanthes* maintained in West Beach sand exhibited low mortality and high percentage increases in biomass during the exposure period, indicating that West Beach sand is a suitable material for a control sediment. In addition, West Beach sand was selected because it was used as a control sediment for a number of the regulatory bioassays conducted in Puget Sound and is known to be relatively free of contaminants.

Because control sediments may differ greatly from the test sediments with respect to physical and chemical sediment characteristics (e.g., grain size and organic content), a reference sediment is also included in the bioassay series. Data from the reference sediment can be used to partition contaminant effects associated with a test sediment from those relating to the physical and chemical characteristics of the test sediment. Johns and Ginn (1990a) evaluated the influence of sediment grain size on *Neanthes* survival and growth following exposure to sediments having differing granulometry (expressed as a percentage of the silt/clay fraction in

the sediment). The results of this experiment indicate that *Neanthes* are able to survive and grow in a wide range of sediment types. Johns and Ginn (1990a) also noted that statistical differences in growth could occasionally be detected in *Neanthes* exposed to widely differing sediment types, and cautioned that reference sediment used in *Neanthes* bioassays should have a similar grain size and organic content as the test sediments to avoid potential differences in organism response related to the physical characteristics of the sediment.

Test Sediments

The natural geochemical properties of test sediment collected from the field must be within the tolerance limits of the test species. Johns and Ginn (1990a) determined the 96-hour LC_{50} for *Neanthes* exposed to seawater of different salinity to be 15 ppt. Caution should be used when performing and interpreting the results of *Neanthes* bioassays conducted with sediments with an interstitial salinity of less than 20 ppt. Modification to the test sediment (e.g., mixing the sediment with high salinity water to raise interstitial salinity) or test protocol (e.g., use of high salinity seawater in the exposure chamber) might be considered when testing sediment collected from low salinity areas.

Bioassay Seawater

Seawater used in the bioassay should be maintained at a salinity of 28 ± 2 ppt and at a temperature of 20 ± 1°C. If a series of experiments is planned, then the test temperature and salinity should be the same throughout the series. The bioassay seawater must be uncontaminated.

Bioassay chambers are 1-liter glass containers with an internal diameter of approximately 10 cm. The chambers are covered with lids to reduce contamination of the contents and evaporation of the seawater or loss of volatiles. The bioassay chambers are maintained at 20 ± 1°C in either a shallow waterbath or in a constant-temperature room. Exposure chambers are gently aerated with air that is free of fumes, oil, and water. This air is delivered to the exposure chamber by nontoxic tubing with a glass Pasteur pipette suspended 3–4 mm below the water surface. The aeration rate should be between 150 and 300 mL/minute.

Prior to use, all glassware is thoroughly cleaned, rinsed in distilled water, soaked in a 10-percent nitric acid (HNO_3) (or 10-percent hydrochloric acid) solution for 2 hours, and rinsed with distilled water.

Bioassay Procedure

Overview—The bioassays are conducted using a static renewal exposure system. Five replicate tests are conducted for each field sample. Each exposure chamber consists of a 1-liter jar containing 2 cm of sediment and seawater (Figure 1). Prior to testing, all exposure

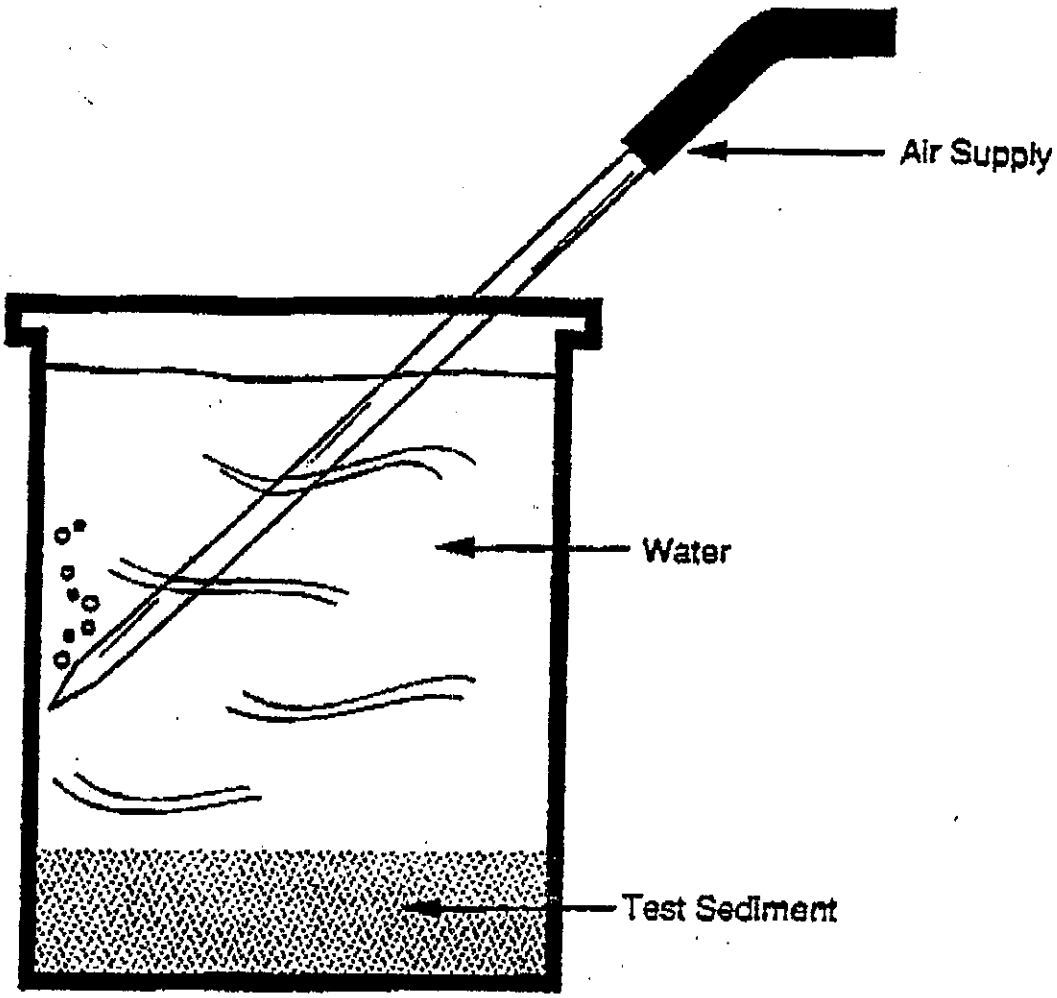

Figure 1. Static exposure system used for the juvenile polychaete bioassay

chambers are cleaned and rinsed in turn with distilled water, 10-percent nitric acid (HNO_3), and distilled water.

At the beginning of each test, five juvenile worms are randomly placed into each exposure chamber. During setup, three subsamples of worms (five worms per subsample) are randomly selected to provide an estimate of initial worm biomass.

During the exposure period, each exposure chamber is provided with 40 mg of food (i.e., 8 mg per individual) on an every-other-day basis. Every third day, one-third of the seawater in each exposure chamber is exchanged with fresh seawater. Water quality measurements taken during the exposure period include dissolved oxygen concentration, salinity, and pH. These measurements are made for each exposure chamber just prior to the seawater exchange.

Following the exposure period, the contents of each replicate chamber are sieved through a 0.5-mm screen and the number of living worms is recorded. Surviving worms are then placed in a vial containing clean seawater. After all chambers have been sieved, the surviving worms in each vial are quickly rinsed with deionized water, placed on a preweighed aluminum pan, and dried at 50°C to a constant weight. Total weights are then determined to the nearest 0.1 mg.

Initiation—Prior to initiation of a bioassay, all exposure chambers are cleaned as described above, and test organisms are acclimated. On the day before test initiation, test sediments are placed in each of the five replicate exposure chambers. Each chamber should be filled so that a 2-cm sediment layer is formed in the bottom of the chamber. Sediment placed in the chamber is smoothed by tapping the jar against the palm of the hand. Once the sediment is smoothed, the chamber is filled with seawater by gently pouring the water down the side of the chamber. Filled chambers are placed in a 20 ± 1°C waterbath and capped. An air line is inserted through a hole in the cap. The exposure chambers are allowed to equilibrate overnight to bioassay conditions. The photoperiod during testing should be continuous, using ambient light of low to moderate intensity. Although the intensity does not have to be measured, light levels should be similar to that obtained from fluorescent or incandescent light sources that are not placed directly over the water bath.

On the day of test initiation, juvenile worms are collected from the holding tank for distribution to the exposure chambers. The worms should be handled as little as possible. Handling should be conducted quickly and carefully so that the worms are not unnecessarily stressed. Any worms that are accidentally dropped onto hard surfaces or are injured during handling should be discarded. To prevent possible damage to the worms during handling, various handling procedures can be employed. One procedure is to use a small, fine-point paint brush to remove the organisms from the holding tank. Because *Neanthes* produce mucus over the body surface, individual worms are easily captured and transferred with this procedure. Another handling procedure is to use a wide-bore pipette with an attached bulb. Individual

organisms can be collected in the pipette through suction and can be removed from the pipette using a gentle flushing action.

Individual worms, in excess of the number needed to conduct the bioassay, are transferred from the holding tank to a shallow dish containing seawater maintained at the test temperature and salinity. Worms placed in the shallow dish should be as similar in size as possible, given the size range of worms available from the holding tank. Worms transferred to the shallow dish should be observed to determine that they represent the best worms available for testing (e.g., all appear healthy and represent the smallest range in size of test organisms).

Individual worms are removed from the dish and randomly placed in a plastic cup (five worms per cup) containing seawater. Enough cups are used to equal three more than the number of exposure chambers that will be used during the bioassay. Once this procedure has been completed, worms within a cup are randomly transferred to an exposure chamber by pouring the contents into the chamber. A squirt bottle containing seawater maintained at the test temperature and salinity can be used to free any worms adhering to the cup. During the transfer process, three of the cups containing worms are randomly selected and set aside. Worms from these cups are used to estimate initial total biomass. To determine initial total biomass, worms from these three cups are quickly rinsed with an isotonic, 0.9-percent (w/v) ammonium formate solution of distilled water, placed on a preweighed aluminum pan, dried at 50°C to a constant weight, and weighed to the nearest 0.1 mg.

Once worms have been placed in all of the exposure chambers, each chamber is checked to ensure that air is flowing to the chamber and that the worms have begun to burrow into the sediment. Following setup, food (e.g., TetraMarin®) is provided to each chamber. To ensure adequate distribution of the food within the exposure chamber, a small volume of seawater (i.e., 5 mL) at test temperature and salinity is added to the cup containing the preweighed food ration. Once wetted, the food is poured into the exposure chamber. Water from a squirt bottle is used to rinse the cup of any remaining food.

Following placement of the worms in the exposure chamber, initial (i.e., 1 hour) observations of burrowing should be made. If a worm, or group of worms, do not appear to be burrowing and the observer believes that the nonburrowing behavior results from factors other than sediment toxicity (e.g., reduced viability or damage to test organisms), then those organisms should be replaced.

Monitoring—During the 20-day exposure period, the test chambers are observed on a daily basis to ensure that adequate aeration is provided and to note the general status of each chamber (e.g., presence of accumulated food, burrowing activity of worms, and presence of fouling on sediment surface). On an every-other-day basis, worms in each exposure chamber are provided with food. As discussed earlier, 40 mg of food are provided to each exposure chamber. This food ration is maintained throughout the exposure period, even though mortality may occur during the test.

Every third day, one-third of the seawater in each exposure chamber is replaced. Water replacement is achieved by removing the aeration line, then siphoning one-third of the volume and carefully replacing it with fresh seawater that has been maintained at 20 ± 1°C and at the appropriate test salinity. Steps should be taken during seawater replacement to ensure that test sediments are not disturbed. One method of replacement is to add the fresh seawater by allowing the water to slowly flow down the inside wall of the exposure chamber. When the chamber is filled, the aeration line is placed back in the chamber and the air flow is adjusted to the specified level (i.e., 150 to 300 mL/minute).

Prior to seawater replacement, dissolved oxygen, salinity, and pH are determined in one randomly selected exposure chamber for each sample. Dissolved oxygen is determined using a dissolved oxygen electrode. Following determination of dissolved oxygen in each chamber, the electrode is thoroughly rinsed with 20 ± 1°C seawater. Salinity is determined on a small sample of seawater using a hand-held refractometer. The seawater sample for the salinity measurement is obtained with a Pasteur pipette. The pipette should be thoroughly rinsed with seawater between samples. The pH is determined with a portable pH meter and probe. As with the dissolved oxygen electrode, the pH probe is rinsed between readings.

Termination—Following the exposure period, worms from each exposure chamber are removed from the test sediment. Two methods can be used to collect worms from each exposure chamber. In the first, surviving worms are collected by sieving the sediment through a 0.5-mm screen. The sieve should be gently shaken in a water bath rather than sprayed with water to remove the sediment. In the second method, the sediment is placed in a white enamel pan containing seawater and searched for surviving worms. Worms collected from sediment often remain in their tubes. A worm can be removed from the tube by gently prodding either end of the tube to force the worm to leave. Once out, the worms are removed using either the tip of a small paint brush or a wide-bore pipette. Following collection, the number of worms surviving is noted on data sheets.

To determine total biomass, surviving worms are quickly rinsed in isotonic 0.9-percent (w/v) ammonium formate or distilled water, placed on a preweighed drying pan, and dried at 50°C until a constant weight is attained. Total biomass is determined to the nearest 0.1 mg as the difference in weight of the aluminum pan with and without the worms. Prior to rinsing the worms, observations should be made to determine if food or sediment is present in the digestive tract. Such information may be useful in explaining changes in individual biomass occurring during the exposure period.

During the sublethal test demonstration study, a constant dry weight was attained within 24 hours. To determine when a constant weight has been achieved, several aluminum pans containing worm samples are removed from the drying oven, placed in a desiccator, and allowed to reach room temperature. Following cooling, each aluminum pan is placed on the balance and the weight is determined. Following dry weight determinations, all samples are placed back in the drying oven. After additional drying (i.e., at least 1 hour), the same samples are again removed from the drying oven, allowed to cool in the desiccator, and reweighed. When the dry

weights for the samples are the same for consecutive readings (i.e., within 0.1 mg of each other), a constant weight has been attained.

Experimental Design

Logistics—A typical *Neanthes* bioassay for testing 10 sediment samples involves about 50 to 60 exposure chambers. Collection and preparation of test organisms, sediment, and seawater requires at least four people for 2 days. Three or four people are required on the days tests are initiated and terminated. One or two people can monitor a test in progress.

Controls—A control sediment and a reference sediment should be included as part of every test. The control sediment provides a nontoxic sediment to evaluate the condition of the test organisms being used in the bioassay. The reference sediment provides a test reference to partition contaminant effects associated with the treatment sediment from those relating to noncontaminant characteristics (e.g., grain size and total organic carbon).

A positive (toxic) control is also required for all testing. This involves determining 96-hour LC_{50} values for *Neanthes* juveniles exposed in clean, filtered seawater without sediment to reference toxicants (following standard bioassay procedures and under the same general test conditions as the sediment bioassays). Such data are necessary to determine the relative sensitivity of the animals (e.g., seasonal difference in sensitivity) for each test series to ensure comparability of the data. The commonly used reference toxicant is reagent-grade cadmium chloride. Reported 96-hour LC_{50} values for *Neanthes* exposed to cadmium chloride range between 12.0 and 22.0 mg/L (Reish 1984; Johns and Ginn 1990a).

The positive control should be conducted with 10 juveniles per exposure chamber. The worms should not be fed during the 96-hour LC_{50} exposure.

The acute lethality results must be reported along with the sediment bioassay results. Bioassays to establish an LC_{50} involve four or five logarithmic concentration series and a control. At least one treatment should give a partial response below the LC_{50} and one above the LC_{50}. Statistical procedures for the LC_{50} estimate are given in APHA (1985).

Response Criteria—Survival, total biomass (dry weight), and average individual biomass (i.e., total biomass divided by the number of surviving worms) are the three response criteria that can be determined for the *Neanthes* bioassay.

One of the three endpoints, data collected to date indicate that the survival endpoint is the least sensitive to changes in level of contamination. Although survival rates of worms in each replicate have generally been similar, it should be noted that variability in percent survival within replicates could be high since each worm in a replicate represents 20 percent of the

replicate survival. The total biomass endpoint is an estimate of the biomass produced by the group of worms in the exposure container. Total biomass represents an integrated measurement of lethal and sublethal effects. Thus, a reduction in total biomass could indicate that one or more worms had died during the exposure or that the growth of all worms had been reduced. Average individual biomass is an estimate of the biomass of each surviving worm. Unlike the survival and total biomass endpoints, worm survival is not integrated into the determination of individual biomass. Worm survival is an important ancillary measurement and should always be considered in the interpretation of either biomass endpoint. Each of these response criteria should be monitored in a "blind" fashion; that is, the observer must have no knowledge of the treatment of the sediment in the beakers.

DATA REPORTING REQUIREMENTS

The following data should be reported by all laboratories performing this bioassay:

- Water quality measurements during testing [i.e., dissolved oxygen, temperature, salinity, pH, sulfides (optional), ammonia (optional)]
- 20-day survival in each exposure chamber and the mean and standard deviation for each treatment
- Initial total biomass (dry weight) for three groups of five worms
- 20-day total biomass (dry weight) in each exposure chamber and the mean and standard deviation for each treatment
- 20-day average individual biomass (dry weight) in each exposure chamber and the mean and standard deviation for each treatment
- Interstitial salinity values of control, reference, and test sediments (both initial and final)
- 96-hour LC_{50} values with reference toxicant (results for metallic compounds should be reported in terms of the metal ion rather than as the weight of the whole salt)
- Any problems that may have influenced data quality.

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Appendix F

Benthic Community Laboratory Methods and Results

TAI Environmental Sciences Inc.
Standard Operating Procedures
TAXONOMY

1.0 GENERAL METHODOLOGY

1.1 PLANKTON. TAI conducts analyses for various plankton components including Phytoplankton, Zooplankton, Ichthyoplankton and Chlorophyll according to the methods outlined in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10200, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

1.2 PRIMARY PRODUCTION. TAI performs in situ analyses for primary production according to the methods described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10300, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

1.3 PERIPHYTON. TAI performs analyses on periphyton samples according to the methods described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10200, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

1.4.MACROPHYTON TAI performs in situ analyses of macrophytic communities according to the methods described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10400, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

1.5 MACROINVERTEBRATES. TAI performs analyses for ecological investigation of Macroinvertebrate Communities including marine, estuarine and freshwater infauna and epifauna according to the methods described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10500, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001) and 3). "Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters" ORD Washington, D.C. November 1990.

1.6 FISHES. TAI performs analyses of fishes according to the methods described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10600, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

2.1 PLANKTON SAMPLING. Plankton sampling is performed using the procedures and equipment described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10200, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001). Equipment used is included in Table 2.1.

2.2 PERIPHYTON SAMPLING. Periphyton Sampling is performed using the procedures and equipment described in 1). Standard Methods for the Examiniation of Water and Wastewater Part 10300, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

Table 2.1 Equipment Used For Field Collection of Various Biological Community Components

Method	Sample Source	Component	Equipment
SM 10200	Surface Water	Plankton	Kemmerer Sampler, Plankton Nets (Wisconsin), Plankton Trap
SM 10300	Surface Water	Periphyton	Periphyton Sampler, glass slides, Natural substrates
SM 10300	Surface Water	Primary Production	Winkler Method (D.O.)
SM 10400	Surface Water	Macrophyton	Aerial Recon, Line Intercept.
SM 10500	Sediments	Macroinfauna	PonarGrab, 0.25 m Box-core, Ekman Grab, Surber Sampler, Phleger corer Hester-Dendy Sampler, Basket Sampler, Block Sampler, Scoop Nets.
SM 10600	Surface Waters	Fishes	Otter Trawl, Beach Seine, Scoop Nets, Block Nets, Electrofishing

2.3 BENTHIC MACROINVERTEBRATE SAMPLING. In general, sampling for macroinvertebrates is performed using the procedures and equipment described in 1). Standard Methods for the Examination of Water and Wastewater Part 10500, 17th Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

2.3.1 Field collection of marine, estuarine and freshwater benthic macroinvertebrate samples can utilize a variety of sampling gear. TAI personnel have experience with many types, the most common being Boxcore, Eckman, Petersen, Ponar and Petite ponar grabs, and with Hester-Dendy and other artificial substrate samplers. Bottom sediment type, collection depth and a variety of other factors, including client specifications, will effect the choice of sampling gear.

2.3.2 Upon collection, grab samples may be horizontally or vertically sectioned and/or measured volumetrically depending on contract requirements. Collected samples are sieved using standard 500 micron sieve buckets and relaxed using a solution of magnesium sulfate, 2% buffered formalin and seawater, or they are placed on ice. Relaxed samples, and those placed on ice, are preserved with a 10% buffered formalin - rose bengal solution after several hours chilling time. The latter process has proven to be very reliable and is the method of choice. Samples are then returned to the laboratory for processing.

2.3.3 Hester-Dendy samplers are composed of 0.3 cm-thick tempered hard board with 7.6 cm round plates and 2.5 cm round spacers. The plates are separated by an increasing number of spacers along a 10 in stainless steel eyebolt. This results in the plates being spaced at increasingly greater intervals. A total of 14 large plates and 24 spacers are used in each sampler.

2.3.4 The Hester-Dendy, or other artificial substrate, is deployed in the euphotic zone of the water column. The samplers are attached by 1/8 to 1/4 inch cord to a depth of approximately 0.3 m and suspended from a float. This assures uniformity of sample depth. Samplers are normally allowed 3 weeks for colonization, but this may be extended if conditions require.

2.3.5 This general procedure may be modified to fit specific conditions of the sampling area, study design or client requirements. Regardless of technique, uniform procedures are used. Before removal from the water, samplers are enclosed in an oversized plastic bag to prevent loss of organisms. These samples are then relaxed before returning to the laboratory.

2.5 Fishes. Fish populations are sampled using the methodologies described in the following manuals: 1). Standard Methods for the Examiniation of Water and Wastewater Part 10500, 17th

Edition APHA 1989. and 2). Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. (EPA-670/4-73-001).

3.1 BENTHIC MICROINVERTEBRATE SAMPLE CUSTODY / TRACKING

3.1. Field Sampling Operations

Immediately following collection, samples are placed in pre-labeled (numbered) containers to ensure all field samples are collected, or at least attempted. Additional labels of heavy 100% rag paper are placed inside all biological samples in order to be able to identify the sample in the event the outer label is accidently removed or obliterated. A variety of field sheets are prepared to track the samples from the collection point to the laboratory and record field measurements, observations, and collection notes.

All samples collected are accompanied by chain-of-custody documents. The chain-of-custody forms identify all aspects of the transfer (collector, time of transfer, recipient, etc.) and are completed on a real-time basis.

3.2. Laboratory Operations

Upon receipt of the biological samples at the laboratory, chain-of-custody forms are completed and the samples are inventoried. One copy of the inventory is used in the sorting phase and another for the identification/enumeration phase.

In the sorting phase, the sorting technician removes the sample from the storage shelf and signs that sample out in the sample log book and records the date and time of removal. Upon sorting completion, the sorter puts the sample on the appropriate shelf and signs the sorted sample back in. The same procedure is utilized during the identification/enumeration phase. The taxonomist signs the sample out, using the Invoice of Specimen sheet , processes the sample, and signs the sample in upon completion. The completed samples and the residual materials are stored for QC checks and subsequent final verification and curation.

4.0 TAXONOMIC PROCEDURES

4.1 Sample Sorting

4.1.1 Initial removal of organisms from sediment and debris and separation into major phylogenetic categories are performed by experienced laboratory personnel Samples undergoing processing are routinely checked by an assigned QAQC referee and/or the Taxonomy Task Manager. QAQC checks occur on no less than 10% of the samples processed.

4.1.2 Removal of organisms from Hester-Dendy, or similar type, artificial substrate samplers is accomplished by dismantling the sampler in a tray filled 2cm deep with a 40% isopropyl alcohol solution. Plates and spacers are then brushed and carefully scraped into the tray. The sample is then sieved through a 0.5 mm mesh screen. This method has proven to be very effective in preventing excessive fragmentation or mutilation of organisms.

4.1.3 Sorting of the organisms is accomplished by pouring just enough sample into the sorting tray to cover the bottom and scanning with a magnification lamp. All organisms, previously stained bright red, are removed with fine tipped forceps or pipette and placed in shell vials containing a 40% isopropyl alcohol solution. Shell vials are arranged in racks marked with the appropriate phylogenetic category to prevent errors. Stereo and compound microscopes are readily available for verification of any questionable objects or samples.

4.1.4 Typical phylogenetic categories for saltwater samples may consist of Polychaeta, Crustacea, Mollusca, echinodermata, Rhynchocoela, Turbellaria and Miscellaneous. This will vary depending on sample diversity.

4.2 Sample Analysis

4..2.1 All identifications are done by experienced taxonomists and checked by our QAQC program. QAQC checks, including secondary identifications and/or comparison of samples to the voucher collection, occur on no less than 10%, randomly chosen, of the samples processed. All identifications and enumerations are recorded on standardized sheets for consistency and ease of data entry.

4..2.2 TAI's taxonomic team includes in-house and associate taxonomists. TAI maintains in-house expertise in chironomid, polychaete, mollusc, oligochaete, ichthyoplankton, zooplankton, finfishes and local crustacean and echinoderm identifications. Associate taxonomists are used to complement our in-house expertise by providing specialized identifications and performing secondary identifications as part of our QAQC program.

4.2.3 TAI maintains an extensive voucher collection of freshwater, estuarine and marine flora and fauna against which identified specimens are verified. The voucher collection is continuously upgraded with new specimens and a computer data file for easier location and quicker verifications. This will also be a continuously expanding project.

4.2.4 Following final verification, all samples are curated for a minimum three year period from the ending date of the corresponding contract. This allows for later verification or further data analysis.

4.2.5 Curation for long term storage is accomplished by placing each sample in a shell vial with a permanent label, and storage in air-tight, labelled containers filled with 40% isopropyl alcohol solution. Samples are stored in the TAI warehouse until the end of the curation period. These samples are then incorporated into the voucher collection or discarded.

4.2.6 TAI is experienced in wet weight, dry weight and ash weight biomassing. These procedures are performed as per Standard Methods 18 ed. Weighing is performed on a Mettler AE 163 dual beam balance with 0-31g and 0-162g ranges, touch control tare setting, automatic calibration adjustable time integration and a linearity of 0.02 mg and 0.1 mg on the respective ranges. Calibration is performed before each set of biomassing measurements, and after each subsequent 100 measurements. This insures accuracy and consistency.

4..2.7 Size class separations utilize a series of stackable sieves constructed of PVC and nylon plankton netting of 6500, 3500, 2000, 1000, 900, 650, 500 and 250 micron mesh sizes. Other mesh sizes are available upon request. Organisms are gently washed through the screens with a steady flow of water to prevent excess fragmentation or mutilation. Upon completion, each subsample is recorded in the Daily Taxonomy Log.

Table 4.1. Major Taxonomic References

polychaetes	Fauchald, 1977 Uebelacker and Johnson, 1984
oligochates	Brinkhurst, 1986 Hiltunen and Klemm, 1980
freshwater invertebrates	Pennak, 1953 Edmondson, 1959
estuarine/marine invertebrates	Gosner, 1971 Heard, 1982
freshwater algae	Smith, 1950

5.0 TAXONOMIC QA/QC

5.1.1 QA/QC checks occur on no less than 10% of the samples processed. For sorting tasks, at least 10% of all sorted samples are checked for completeness. Completeness checks are accomplished by resorting the residual material from a sample by a different technician. If the animals removed from the residual material total 5% or more of the total number of animals in the sample, this constitutes a QC failure, and all samples sorted by that technician shall be resorted back until the time of the last acceptable QC check.

5.1.2 For identification tasks, at least 10% of all identified samples are checked for identification and enumeration accuracy. Taxonomic checks are performed by the reidentification of the selected samples by a different taxonomist. A discrepancy of 5% or more constitutes a QC failure and all samples performed by the taxonomist on that project are reworked. Identification QC failures seldom occur as a result of the close working relationship that exists between TAI taxonomists. A voucher collection is prepared for each new project. As each species is encountered for the first time, all taxonomists inspect the specimen and become familiar with the key characters and voucher and consistency cards are prepared for that species. Therefore, any identification errors are corrected when the voucher collection is verified by outside expert taxonomists.

5.1.3 Data entry is facilitated by the use of standardized sheets for recording identification, enumeration and biomass of each sample. A visual check of all data is performed by an experienced referee or by the Taxonomy Task Manager to assure completeness and accuracy of the data.

6.0 TAXONOMY DATA REDUCTION AND REPORTING

6.1 Data Reduction, Analysis and Reporting

6.1.1 Data reduction begins after all raw data has been checked for completeness and accuracy. Preliminary statistical reports of the data are utilized (both tabular and graphical methods) to check the data for completeness, and to screen out questionable information. Simple descriptive statistics (Means, Range, Standard Deviation) of data is performed with the Symphony (T.M.) software system.

6.1.2 TAI can produce a number of analyses that present benthic invertebrate data by trophic type, abundance, ranked in order of abundance, diversity and cluster analysis. These, or additional analyses, are included as per client needs.

6..1.3 Diversity (Shannon-Wiener index) and evenness indices are calculated utilizing the machine methods described in the EPA 670/4-73-001, Biological Methods Manual (Weber, 1973). Log to base 2 is utilized unless otherwise requested by the client.

6.1.4 A cluster analysis package which runs on the IBM-PC has been developed by TAI. It is capable of analysis using a 150 x 150 species/station matrix and provides up to 12 similarity indices. The program has provisions for various standardizations, transformations and for both normal (Q) and inverse (r) mode analyses. Generally, the Bray-Curtis and/or Morisita indices are used for routine benthic analyses.

6.1.5 Additionally, TAI has experience in preparing customized symphony and Lotus 1-2-3 worksheets for biological data for governmental clients and private consulting organizations. We are thoroughly familiar with developing macros for the Lotus System to perform the data summaries and preparing specialized statistics such as diversity and similarity, indices, and for outputting data for further statistical analysis.

6.2 Data Validation

6.2.1 TAI uses a comprehensive QAQC program to assure accuracy and completeness of processing, identifications, data analysis and reporting, as per DEP-SOP (DER-QA-001/92, 30 September 1992 Section 10.3). Aspects of this plan have been mentioned throughout the manual.

6.2.2 The major elements of this plan are presented diagrammatically in Figure and include corporate experience, taxonomy task manager, experienced taxonomists, voucher collection, referee taxonomists, frequent data audits, sample tracking sheets, daily log sheets, standardized forms, and sample curation.

6.2.3 Data Storage

6.2.3.1 Copies of all forms, notes and reports are maintained on file for a minimum 3 year period from the ending date of the corresponding contract.

7.0 TAXONOMY CORRECTIVE ACTION

7.1 Taxonomic corrective action (as stated earlier in Section 5.3) may occur at the sorting level and/or the identification/enumeration level. During the sorting phase, the residual material is retained and at least 10% of these are reexamined for completeness. If the animals removed from the residual material total 5% of more of the total number of animals in the sample, this constitutes a QC failure, and all samples sorted by that technician shall be resorted back until the time of the last acceptable QC check.

7.2 For identification tasks, at least 10% of all completed samples are checked for accuracy by a reference taxonomist. A discrepancy of 2% or more constitutes a QC failure and all samples analyzed by that taxonomist on that project are reworked. This corresponds to the acceptance criteria according to Section 11, Table11.1 in DEP-SOP (DER-QA-001/92, 30 September 1992).

TAI Environmental Sciences Inc.

Client: ENSAFE
Location: Station 16
Date: Sept. 18, 1997

TAXON	FAMILY	Species	16-03									Sum
NEMERTEA	Unid.	*LPIL*										
ECHIURIDA	Echiuridae	*LPIL*										
GASTROPODA	Hydrobiidae	*Onobops sp.*										
GASTROPODA	Littorinidae	*Littorina irrorata*										
GASTROPODA	Melampidae	*Detracia floridana*										
GASTROPODA	Melampidae	*Melampus sp.*										
GASTROPODA	Planorbidae	*LPIL*										
PELECYPODA	Corbiculidae	*Polymesoda sp.*										
PELECYPODA	Mytilidae	*Amygdalum papyrium*										
PELECYPODA	Solecurtidae	*Tagelus plebius*										
POLYCHAETAE	Ampharetidae	*Hobsonia florida*										
POLYCHAETAE	Capitellidae	*Capitella capitata*	9									9
POLYCHAETAE	Capitellidae	*Mediomastus californiensus*	15									15
POLYCHAETAE	Goniadidae	*Glycinde solitaria*										
POLYCHAETAE	Nereidae	*Neanthes sp.*										
POLYCHAETAE	Orbiniidae	*Scolopus fragilis*										
POLYCHAETAE	Paronidae	*Aricidae sp.*										
POLYCHAETAE	Pilargiidae	*Parandalia americana*										
POLYCHAETAE	Sabellidae	*Chone cf. americana*										
POLYCHAETAE	Spionidae	*Polydora sp.*	1									1
POLYCHAETAE	Spionidae	*Streblospio benedicti*	12									12
CLADOCERA	Unid.	*LPIL*										
ISOPODA	Anthuridae	*Cyathura polita*										
CUMACEA	Nannasticidae	*Almyracuma sp.*										
DECAPODA	Unid. larvae	*LPIL*										
COLEOPTERA	Chelonariidae	*Chelonarum sp.*										
Totals			37.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	37.000
Number of Species			5.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.000
Shannon-Weiner Diversity			1.692									1.692
Pielou's Evenness, J'			1.051									0.519
Margalef's Richness, D			4.723									25.723

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
8.5886169	0	0	0	0	0	0	0	0	8.5886169
17.641803	0	0	0	0	0	0	0	0	17.641803
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
12.950609	0	0	0	0	0	0	0	0	12.950609
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
39.181463	0	0	0	0	0	0	0	0	39.181463

TAI Environmental Sciences Inc.

Client: ENSAFE
Location: Station 03
Date: Sept. 18, 1997

TAXON	FAMILY	Species	0302	0307								Sum
OLIGOCHAETA	Tubificidae	Tubifex tubifex	5	1								6
NEUROPTERA	Sialidae	Sialis sp.	1									1
COLEOPTERA	Dytiscidae	Bidessus sp.	1									1
DIPTERA	Unidentified adult	LPIL		1								1
DIPTERA	Tendipedidae	Chironomus sp.	15									15
DIPTERA	Tendipedidae	Dicrotendipes neomodestus	4									4
DIPTERA	Tendipedidae	Clinotanypus sp.		1								1
DIPTERA	Ceratopogonidae	Culicoides sp.	7									7
GASTROPODA	Physidae	Physa sp.	1									1
PELECYPODA	Sphaeriidae	Sphaerium sp.	35	2								37
COPEPODA	Unidentified	LPIL	1									1
ARACHNIDA	Unidentified spider	LPIL	1									1
Totals			71.000	5.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	76.000
Number of Species			10.000	4.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.000
Shannon-Weiner Diversity			2.243	1.921								2.373
Pielou's Evenness, J'			0.974	1.386								0.955
Margalef's Richness, D			9.765	3.379								11.769

```
\t                  {do_it}


                    ::Process Macro for Species table::

DO_IT               {init}{LET SITES,+@count(out_2_n)}
                    {LET SPECS,+@count(out_3_n)}
                    {FOR counter,1,SITES,1,CALC_ROW}

CALC_ROW            {LET Tot1,Counter}{LET Tot1_1,Tot1-1}
                    {PUT tot_tab,tot1,0,@index(out_2_n,0,tot1_1)}
                    {FOR counter2,1,SPECS,1,NEXT}

NEXT                {LET Tot2,Counter2}{Let Tot2_1,Tot2-1}
                    {PUT CR_1,4,1,@index(out_2_n,0,tot1_1)}
                    {PUT CR_1,3,1,@index(out_3_n,1,tot2_1)}
                    {PUT TOT_TAB,tot1,tot2,@Dsum(MAIN_DB,10,cr_1)}

INIT                {menu}czero~vars~{menu}ecr_1_n~
                    {menu}qsboout_3_n~
                    qqq{menu}quq
                    {menu}qsboout_2_n~
                    qqq{menu}quq
```

::MACRO Variable Table::

3	Sites
98	Specs
3	Tot1
0	Zero
98	Tot2
2	Tot1_1
97	Tot2_1
4	Counter
99	Counter2
0	one

\m	{s}wuNOTATE~{S}wi{MENUCALL MENUONE}

MENUONE	ENTRY	LIBRARY	CLIENT	REPORT	TOTALS	QUIT
	Go to Data	Species Co	Enter Clien	Send Stan	Tabulate St	Leave the Worksheet
	{S}WuMAI	{s}wuTAXA	{s}wuCLIE	{s}WUREPORT~		

\u UPDATE	{recalc d31.d33}

TAI ENVIRONMENTAL SCIENCES INCORPORATED

Macroinfauna Worksheet

---> {alt} M to return to MAIN MENU <---

0	0	0	0	0	0	0	0	0	0
3.4952843	0.0004341	0	0	0	0	0	0	0	4.669341761
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.000434077
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.000434077
0	0	0	0	0	0	0	0	0	0
0	0.0004341	0	0	0	0	0	0	0	0.000434077
17.641803	0	0	0	0	0	0	0	0	17.64180317
2.4086742	0	0	0	0	0	0	0	0	2.408674206
0	0.0004341	0	0	0	0	0	0	0	0.000434077
5.9161205	0	0	0	0	0	0	0	0	5.916120544
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.000434077
0	0	0	0	0	0	0	0	0	0
54.042816	0.6024942	0	0	0	0	0	0	0	58.02389808
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0.0004341	0	0	0	0	0	0	0	0	0.000434077
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0.0004341	0	0	0	0	0	0	0	0	0.000434077
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0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
83.506868	0.6037964	0	0	0	0	0	0	0	88.6628763

TAI Environmental Sciences Inc.

Client : ENSAFE
Location: Station 64
Date: Sept. 18, 1997

TAXON	FAMILY	Species	64-04	64-05	64-06							Sum
NEMATODA	Unid.	*LPIL*	3	2	9							14
NEMERTEA	Unid.	*LPIL*		3								3
ECHIURIDA	Echiuridae	*LPIL*										
GASTROPODA	Hydrobiidae	*Onobops sp.*	1									1
GASTROPODA	Littorinidae	*Littorina irrorata*										
GASTROPODA	Melampidae	*Detracia floridana*										
GASTROPODA	Melampidae	*Melampus sp.*	32		16							48
GASTROPODA	Neritidae	*Neritina usnea*										
GASTROPODA	Planorbidae	*LPIL*	2									2
PELECYPODA	Corbiculidae	*Polymesoda sp.*		1	3							4
PELECYPODA	Mytilidae	*Amygdalum papyrium*										
PELECYPODA	Solecurtidae	*Tagelus plebius*		1								1
PELECYPODA	Unid. Juvenile	*LPIL*	3	1	9							13
POLYCHAETAE	Ampharetidae	*Hobsonia florida*		11	15							26
POLYCHAETAE	Capitellidae	*Capitella capitata*	7	7								14
POLYCHAETAE	Capitellidae	*Mediomastus californiensus*		1								1
POLYCHAETAE	Capitellidae	*Notomastus sp.*										
POLYCHAETAE	Goniadidae	*Glycinde solitaria*										
POLYCHAETAE	Nereidae	*Neanthes sp*	12	6	12							30
POLYCHAETAE	Nereidae	*Nereis succinea*										
POLYCHAETAE	Orbiniidae	*Scolopus fragilis*		2								2
POLYCHAETAE	Paronidae	*Aricidae sp.*										
POLYCHAETAE	Pilargiidae	*Parandalia americana*	3	12	50							65
POLYCHAETAE	Sabellidae	*Chone cf. americana*										
POLYCHAETAE	Spionidae	*Polydora sp.*	1		2							3
POLYCHAETAE	Spionidae	*Streblospio benedicti*		3	3							6
CLADOCERA	Unid.	*LPIL*										
COPEPODA	Unid.	*LPIL*	1	12	2							14
ISOPODA	Anthuridae	*Cyathura polita*		1								1
ISOPODA	Valvifera	*Chiridotea sp.*	1									1
TANAIDACEA	Paratanaidae	*Hargeria rapax*		1								1
CUMACEA	Nannasticidae	*Almyracuma sp.*	1									1
DECAPODA	Xanthidae	*Panopeus sp.*										
DECAPODA	Portunidae	*Callinectes sapidus*										
DECAPODA	Unid. larvae	*LPIL*										
COLEOPTERA	Chelonariidae	*Chelonarum sp.*										
Totals			66.000	64.000	121.000	0.000	0.000	0.000	0.000	0.000	0.000	251.000
Number of Species			11.000	15.000	10.000	0.000	0.000	0.000	0.000	0.000	0.000	36.000
Shannon-Weiner Diversity			2.424	3.300	2.635							3.294
Pielou's Evenness, J'			1.011	1.219	1.144							0.919
Margalef's Richness, D			10.761	14.760	9.791							35.819

TAI Environmental Sciences In

Client : ENSAFE
Location: Station 64
Date: Sept. 18, 1997

TAXON	FAMILY	Species	64-04	64-05	64-06							Sum
NEMATODA	Unid.	*LPIL*	3	2	9							14
NEMERTEA	Unid.	*LPIL*		3								3
ECHIURIDA	Echiuridae	*LPIL*										
GASTROPODA	Hydrobiidae	*Onobops sp.*										
GASTROPODA	Littorinidae	*Littorina irrorata*	1									1
GASTROPODA	Melampidae	*Detracia floridana*										
GASTROPODA	Melampidae	*Melampus sp.*										
GASTROPODA	Neritidae	*Neritina usnea*	32		16							48
GASTROPODA	Planorbidae	*LPIL*										
PELECYPODA	Corbiculidae	*Polymesoda sp.*	2									2
PELECYPODA	Mytilidae	*Amygdalum papyrium*		1	3							4
PELECYPODA	Solecurtidae	*Tagelus plebius*										
PELECYPODA	Unid. Juvenile	*LPIL*		1								1
POLYCHAETAE	Ampharetidae	*Hobsonia florida*	3	1	9							13
POLYCHAETAE	Capitellidae	*Capitella capitata*		11	15							26
POLYCHAETAE	Capitellidae	*Mediomastus califomiensus*	7	7								14
POLYCHAETAE	Capitellidae	*Notomastus sp.*		1								1
POLYCHAETAE	Goniadidae	*Glycinde solitaria*										
POLYCHAETAE	Nereidae	*Neanthes sp.*										
POLYCHAETAE	Nereidae	*Nereis succinea*	12	6	12							30
POLYCHAETAE	Orbiniidae	*Scolopus fragilis*										
POLYCHAETAE	Paronidae	*Aricidae sp.*										
POLYCHAETAE	Pilargiidae	*Parandalia americana*		2								2
POLYCHAETAE	Sabellidae	*Chone cf. americana*										
POLYCHAETAE	Spionidae	*Polydora sp.*										
POLYCHAETAE	Spionidae	*Streblospio benedicti*	3	12	50							65
CLADOCERA	Unid.	*LPIL*										
COPEPODA	Unid.	*LPIL*	1		2							3
ISOPODA	Anthuridae	*Cyathura polita*										
ISOPODA	Valvifera	*Chiridotea sp.*		3	3							6
TANAIDACEA	Paratanaidae	*Hargeria rapax*	1									1
CUMACEA	Nannasticidae	*Almyracuma sp.*		12	2							14
DECAPODA	Xanthidae	*Panopeus sp.*		1								1
DECAPODA	Portunidae	*Callinectes sapidus*	1									1
DECAPODA	Unid. larvae	*LPIL*		1								1
COLEOPTERA	Chelonariidae	*Chelonarum sp.*										
Totals			66.000	64.000	121.000	0.000	0.000	0.000	0.000	0.000	0.000	251.000
Number of Species			11.000	15.000	10.000	0.000	0.000	0.000	0.000	0.000	0.000	36.000
Shannon-Weiner Diversity			2.424	3.300	2.635							3.294
Pielou's Evenness, J'			1.011	1.219	1.144							0.919
Margalef's Richness, D			10.761	14.760	9.791							35.819

0	0	0	0	0	0	0	0	0	0
1.431798	0.6024942	8.5886169	0	0	0	0	0	0	16.046227
0	1.431798	0	0	0	0	0	0	0	1.431798
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
48.165234	0	19.266354	0	0	0	0	0	0	80.700014
0	0	0	0	0	0	0	0	0	0
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0	0.0004341	1.431798	0	0	0	0	0	0	2.4086742
0	0	0	0	0	0	0	0	0	0
0	0.0004341	0	0	0	0	0	0	0	0.0004341
1 431798	0.0004341	8.5886169	0	0	0	0	0	0	14.481698
0	11 455754	17.641803	0	0	0	0	0	0	36.789741
5.9161205	5.9161205	0	0	0	0	0	0	0	16.046227
0	0.0004341	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
12 950609	4 6693418	12 950609	0	0	0	0	0	0	44.314072
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.6024942	0	0	0	0	0	0	0	0.6024942
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.431798	12.950609	84.948935	0	0	0	0	0	0	117.8398
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0.6024942	0	0	0	0	0	0	1.431798
0	0	0	0	0	0	0	0	0	0
0	1.431798	1.431798	0	0	0	0	0	0	4.6693418
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	12.950609	0.6024942	0	0	0	0	0	0	16.046227
0	0.0004341	0	0	0	0	0	0	0	0.0004341
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0.0004341	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
71.931588	52.013623	156.05352	0	0	0	0	0	0	353.41365

TAI Environmental Sciences Inc.

Client : ENSAFE
Location: Station 5A
Date: Sept. 18, 1997

TAXON	FAMILY	Species	5A-04	5A-05	5A-06							Sum
NEMATODA	Unid.	*LPIL*	2	4								6
OLIGOCHAETA	Tubificidae	*Tubifex tubifex*	8									8
OLIGOCHAETA	Tubificidae	*Limnodrilus hoffmeisteri*	1									1
OLIGOCHAETA	Tubificidae	*Limnodrilus sp. (LPIL)*	25		1							26
OLIGOCHAETA	Lumbricidae	*Eiseniella sp.*		5	6							11
ODONATA	Libellulidae	*Sympetrum sp.*		1								
NEUROPTERA	Sialidae	*Sialis sp.*										
COLEOPTERA	Dytiscidae	*Bidessus sp.*										
DIPTERA	Ceratopogonidae	*Bezzia/Probezzia complex*	1		2							3
DIPTERA	Tendipedidae	*Conchepelopia sp.*	1	5								6
DIPTERA	Tendipedidae	*Cryptochironomous sp.*		5								5
DIPTERA	Tendipedidae	*Chironomous sp.*			8							8
DIPTERA	Tendipedidae	*Dycrotendipes sp. (LPIL)*	11		2							13
DIPTERA	Tendipedidae	*Glyptotendipes sp (LPIL)*		7								7
DIPTERA	Tendipedidae	*Glyptotendipes sp B*		5								5
DIPTERA	Tendipedidae	*Polypedilum fallax gp.*		3	1							4
DIPTERA	Tendipedidae	*Tanypus neopunctipennis*	2	4	3							9
DIPTERA	Tendipedidae	*Tanypus sp.*										
DIPTERA	Tendipedidae	*Tanytarsus sp.*	3	10								13
GASTROPODA	Physidae	*Physa sp.*										
PELECYPODA	Sphaeriidae	*Sphaerium sp.*										
PELECYPODA	Unid. juvenile	*LPIL*	12									12
COPEPODA	Unidentified	*LPIL*										
ARACHNIDA	Unidentified spider	*LPIL*										
Totals			66.000	49.000	23.000	0.000	0.000	0.000	0.000	0.000	0.000	137.000
Number of Species			10.000	10.000	7.000	0.000	0.000	0.000	0.000	0.000	0.000	24.000
Shannon-Weiner Diversity			2.560	3.164	2.425							3.721
Pielou's Evenness, J'			1.112	1.374	1.246							1.171
Margalef's Richness, D			9.761	9.743	6.681							23.797

0.6024942	2.4086742	0	0	0	0	0	0	0	4.6693418
7.2251542	0	0	0	0	0	0	0	0	7.2251542
0.0004341	0	0	0	0	0	0	0	0	0.0004341
34.948935	0	0.0004341	0	0	0	0	0	0	36.789741
0	3.4952843	4.6693418	0	0	0	0	0	0	11.455754
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0.6024942	0	0	0	0	0	0	1.431798
0.0004341	3.4952843	0	0	0	0	0	0	0	4.6693418
0	3.4952843	0	0	0	0	0	0	0	3.4952843
0	0	7.2251542	0	0	0	0	0	0	7.2251542
11.455754	0	0.6024942	0	0	0	0	0	0	14.481698
0	5.9161205	0	0	0	0	0	0	0	5.9161205
0	3.4952843	0	0	0	0	0	0	0	3.4952843
0	1.431798	0.0004341	0	0	0	0	0	0	2.4086742
0.6024942	2.4086742	1.431798	0	0	0	0	0	0	8.5886169
0	0	0	0	0	0	0	0	0	0
1.431798	10.000434	0	0	0	0	0	0	0	14.481698
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
12.950609	0	0	0	0	0	0	0	0	12.950609
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
69.21854	36.146838	14.53215	0	0	0	0	0	0	139.2847

TAI Environmental Sciences Inc.

Client : ENSAFE
Location: Station 18
Date: Sept. 18, 1997

TAXON	FAMILY	Species	18-B1									Sum
NEMATODA	Unid.	*LPIL*	4									4
NEMERTEA	Unid.	*LPIL*	4									4
ECHIURIDA	Echiuridae	*LPIL*										
GASTROPODA	Hydrobiidae	*Onobops sp.*										
GASTROPODA	Littorinidae	*Littorina irrorata*										
GASTROPODA	Melampidae	*Detracia floridana*										
GASTROPODA	Melampidae	*Melampus sp.*										
GASTROPODA	Planorbidae	*LPIL*										
PELECYPODA	Corbiculidae	*Polymesoda sp.*	1									1
PELECYPODA	Mytilidae	*Amygdalum papyrium*										
PELECYPODA	Solecurtidae	*Tagelus plebius*										
POLYCHAETAE	Ampharetidae	*Hobsonia florida*										
POLYCHAETAE	Capitellidae	*Capitella capitata*	22									22
POLYCHAETAE	Capitellidae	*Mediomastus californiensus*										
POLYCHAETAE	Goniadidae	*Glycinde solitaria*										
POLYCHAETAE	Nereidae	*Neanthes sp.*										
POLYCHAETAE	Nereidae	*Nereis succinea*	7									7
POLYCHAETAE	Orbiniidae	*Scolopus fragilis*	1									1
POLYCHAETAE	Paronidae	*Aricidae sp.*										
POLYCHAETAE	Pilargiidae	*Parandalia americana*	2									2
POLYCHAETAE	Sabellidae	*Chone cf. americana*										
POLYCHAETAE	Spionidae	*Polydora sp.*										
POLYCHAETAE	Spionidae	*Streblospio benedicti*										
OLIGOCHAETA	Tubificidae	*Limnodrilus sp. (LPIL)*	2									2
OLIGOCHAETA	Lumbriculidae	*Lumbriculus sp.*	2									2
CLADOCERA	Unid.	*LPIL*										
ISOPODA	Anthuridae	*Cyathura polita*										
ISOPODA	Parantanaidae	*Hargeria rapax*	1									1
CUMACEA	Nannasticidae	*Almyracuma sp.*										
DECAPODA	Unid. larvae	*LPIL*										
COLEOPTERA	Chelonariidae	*Chelonarum sp.*										
DIPTERA	Tendipedidae	*Tanytarsus sp.*	1									1
Totals			43.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43.000
Number of Species			10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.000
Shannon-Weiner Diversity			2.362									2.362
Pielou's Evenness, J'			1.026									0.688
Margalef's Richness, D			9.734									30.734

2.4086742	0	0	0	0	0	0	0	0	2.4086742
2.4086742	0	0	0	0	0	0	0	0	2.4086742
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
29.533733	0	0	0	0	0	0	0	0	29.533733
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
5.9161205	0	0	0	0	0	0	0	0	5.9161205
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
39.667747	0	0	0	0	0	0	0	0	39.667747

TAI Environmental Sciences Inc.

Client : ENSAFE
Location: Station 75
Date: Sept. 18, 1997

TAXON	FAMILY	Species	75-01									Sum
OLIGOCHAETA	Naidae	*Nais behningi*	1									1
OLIGOCHAETA	Tubificidae	*Tubifex tubifex*	2									2
OLIGOCHAETA	Lumbricidae	*Lumbriculus sp.*	1									1
CLADOCERA	Unid.	*LPIL*	1									1
NEUROPTERA	Sialidae	*Sialis sp.*										
COLEOPTERA	Dytiscidae	*Bidessus sp.*										
DIPTERA	Unidentified adult	*LPIL*										
DIPTERA	Culicidae	*Chaoborus sp.*	2									2
DIPTERA	Tendipedidae	*Chironomus sp.*										
DIPTERA	Tendipedidae	*Dicrotendipes neomodestus*										
DIPTERA	Tendipedidae	*Clinotanypus sp.*										
DIPTERA	Tendipedidae	*Phaenopsectra sp.*	1									1
DIPTERA	Ceratopogonidae	*Culicoides sp.*										
GASTROPODA	Physidae	*Physa sp.*										
PELECYPODA	Sphaeriidae	*Sphaerium sp.*										
COPEPODA	Unidentified	*LPIL*										
ARACHNIDA	Unidentified spider	*LPIL*										
Totals			8.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.000
Number of Species			6.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.000
Shannon-Weiner Diversity			2.499									2.499
Pielou's Evenness, J'			1.395									0.882
Margalef's Richness, D			5.519									16.519

0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.2067247	0	0	0	0	0	0	0	0	1.2067247

TAI Environmental Sciences Inc.

Client : ENSAFE
Location: Station 40
Date: Sept. 18, 1997

TAXON	FAMILY	Species	4001	4002	4003	4004	4005	4006	4007	4009	4010	Sum
NEMERTEA	Unid.	*LPIL*		1	4		8	1	4	1		19
ECHIURIDA	Echiuridae	*LPIL*							1			1
GASTROPODA	Hydrobiidae	*Onobops sp.*	1									1
GASTROPODA	Littorinidae	*Littorina irrorata*									4	4
GASTROPODA	Melampidae	*Detracia floridana*							1			1
GASTROPODA	Melampidae	*Melampus sp.*			1						1	2
GASTROPODA	Planorbidae	*LPIL*				1						1
PELECYPODA	Corbiculidae	*Polymesoda sp.*	2			200			12	41		255
PELECYPODA	Mytilidae	*Amygdalum papyrium*		3	2			1				6
PELECYPODA	Solecurtidae	*Tagelus plebius*								1		1
POLYCHAETAE	Ampharetidae	*Hobsonia florida*	2									2
POLYCHAETAE	Capitellidae	*Capitella capitata*	1	34	2	2	69	5				113
POLYCHAETAE	Capitellidae	*Mediomastus californiensus*		5	4		54		3		1	67
POLYCHAETAE	Goniadidae	*Glycinde solitaria*							1			1
POLYCHAETAE	Nereidae	*Neanthes sp.*		3	3		2					8
POLYCHAETAE	Orbiniidae	*Scolopus fragilis*			5	5	2					12
POLYCHAETAE	Paronidae	*Aricidae sp.*								7		7
POLYCHAETAE	Pilargiidae	*Parandalia americana*				1						1
POLYCHAETAE	Sabellidae	*Chone cf. americana*				1						1
POLYCHAETAE	Spionidae	*Paraprionospio pinnata*		1								1
POLYCHAETAE	Spionidae	*Polydora sp.*										1
POLYCHAETAE	Spionidae	*Streblospio benedicti*		10	2		73	10	29		26	150
CLADOCEA	Unid.	*LPIL*					2					2
ISOPODA	Anthuridae	*Cyathura polita*	1			1						2
CUMACEA	Nannasticidae	*Almyracuma sp.*						1				1
DECAPODA	Unid. larvae	*LPIL*				1						1
COLEOPTERA	Chelonariidae	*Chelonarum sp.*	1									1
Totals			8	57	23	212	210	18	51	50	32	661
Number of Species			6	7	8	8	7	5	7	4	4	28
Shannon-Weiner Diversity			2.499	1.845	2.855	0.452	1.933	1.679	4.793	0.858	0.931	2.770
Pielou's Evenness, J'			1.395	0.948	1.373	0.218	0.993	1.043	2.463	0.619	0.671	0.831
Margalef's Richness, D			5.519	6.753	7.681	7.813	6.813	4.654	6.746	3.744	3.711	27.846
MacArthur's Equitability			*	*	*	0.188	0.714	*	*	*	*	0.339

* Samples containing less than 100 specimens should be evaluated with caution

0	0.0004341	2.4086742	0	7.2251542	0.0004341	0.0004341	0.0004341	0	22.595339
0	0	0	0	0	0	0	0	0	0.0004341
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	2.4086742	2.4086742
0	0	0	0	0	0	0	0	0	0.0004341
0	0	0.0004341	0	0	0	0	0	0.0004341	0.6024942
0	0	0	0.0004341	0	0	0	0	0	0.0004341
0.6024942	0	0	460.20643	0	0	0	66.124572	0	613.66818
0	1.431798	0.6024942	0	0	0.0004341	0.0004341	0	0	1.431798
0	0	0	0	0	0	0	0.0004341	0	0.0004341
0.6024942	0	0	0	0	0	0	0	0	0.6024942
0.0004341	52.070717	0.6024942	0.6024942	126.88102	3.4952843	3.4952843	0	0	171.11491
0	3.4952843	2.4086742	0	93.549697	0	0	0	0.0004341	145.26022
0	0	0	0	0	0	0	0	0	0.0004341
0	1.431798	1.431798	0	0.6024942	0	0	0	0	3.4952843
0	0	3.4952843	3.4952843	0.6024942	0	0	0	0	12.950609
0	0	0	0	0	0	0	5.9161205	0	5.9161205
0	0	0	0.0004341	0	0	0	0	0	0.0004341
0	0	0	0.0004341	0	0	0	0	0	0.0004341
0	0.0004341	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0.0004341
0	10.000434	0.6024942	0	136.023	10.000434	10.000434	0	36.789741	331.64066
0	0	0	0	0.6024942	0	0	0	0	0.6024942
0.0004341	0	0	0.0004341	0	0	0	0	0	0.6024942
0	0	0	0	0	0.0004341	0.0004341	0	0	0.0004341
0	0	0	0.0004341	0	0	0	0	0	0.0004341
0.0004341	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

1.2067247	68.4309	11.552347	464.30638	365.48636	13.497021	13.497021	72.041561	39.199284	1312.8974

TAI Environmental Sciences Inc.

Client : ENSAFE
Location: Station 33
Date: Sept. 18, 1997

TAXON	FAMILY	Species	33-01									Sum
NEMERTEA	Unid.	*LPIL*										
ECHIURIDA	Echiuridae	*LPIL*										
GASTROPODA	Hydrobiidae	*Onobops sp.*	1									1
GASTROPODA	Littorinidae	*Littorina irrorata*	8									8
GASTROPODA	Melampidae	*Detracia floridana*	9									9
GASTROPODA	Melampidae	*Melampus sp.*	6									6
GASTROPODA	Potamidae	*Cerithidea sp.*	1									
GASTROPODA	Planorbidae	*LPIL*										
PELECYPODA	Corbiculidae	*Polymesoda sp.*	2									2
PELECYPODA	Mytilidae	*Amygdalum papyrium*										
PELECYPODA	Solecurtidae	*Tagelus plebius*										
POLYCHAETAE	Ampharetidae	*Hobsonia florida*										
POLYCHAETAE	Capitellidae	*Capitella capitata*										
POLYCHAETAE	Capitellidae	*Mediomastus californiensus*										
POLYCHAETAE	Goniadidae	*Glycinde solitaria*										
POLYCHAETAE	Nereidae	*Neanthes sp.*										
POLYCHAETAE	Orbiniidae	*Scolopus fragilis*										
POLYCHAETAE	Paronidae	*Aricidae sp.*										
POLYCHAETAE	Pilargiidae	*Parandalia americana*										
POLYCHAETAE	Sabellidae	*Chone cf. americana*										
POLYCHAETAE	Spionidae	*Paraprionospio pinnata*										
POLYCHAETAE	Spionidae	*Polydora sp.*										
POLYCHAETAE	Spionidae	*Streblospio benedicti*	16									16
CLADOCEA	Unid.	*LPIL*										
ISOPODA	Anthuridae	*Cyathura polita*										
CUMACEA	Nannasticidae	*Almyracuma sp.*	1									1
DECAPODA	Unid. larvae	*LPIL*										
COLEOPTERA	Chelonariidae	*Chelonarum sp.*										
Totals			44.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43.000
Number of Species			8.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	30.000
Shannon-Weiner Diversity			5.459									5.426
Pielou's Evenness, J'			2.625									1.595
Margalef's Richness, D			7.736									29.734

0	0	2.4086742	0	7.2251542	0.0004341	0.0004341	0.0004341	0	22.595339
0	0	0	0	0	0	0	0	0	0.0004341
0.0004341	0	0	0	0	0	0	0	0	0.0004341
7.2251542	0	0	0	0	0	0	0	2.4086742	2.4086742
8.5886169	0	0	0	0	0	0	0	0	0.0004341
4.6693418	0	0.0004341	0	0	0	0	0	0.0004341	0.6024942
0	0	0	0	0	0	0	0	0	0.0004341
0.6024942	0	0	0	0	0	0	66.124572	0	613.66818
0	0	0.6024942	0	0	0.0004341	0.0004341	0	0	1.431798
0	0	0	0	0	0	0	0.0004341	0	0.0004341
0	0	0	0	0	0	0	0	0	0.6024942
0	0	0.6024942	0	126.88102	3.4952843	3.4952843	0	0	171.11491
0	0	2.4086742	0	93.549697	0	0	0	0.0004341	145.26022
0	0	0	0	0	0	0	0	0	0.0004341
0	0	1.431798	0	0.6024942	0	0	0	0	3.4952843
0	0	3.4952843	0	0.6024942	0	0	0	0	12.950609
0	0	0	0	0	0	0	5.9161205	0	5.9161205
0	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0.0004341
19.266354	0	0.6024942	0	136.023	10.000434	10.000434	0	36.789741	331.64066
0	0	0	0	0.6024942	0	0	0	0	0.6024942
0	0	0	0	0	0	0	0	0	0.6024942
0.0004341	0	0	0	0	0.0004341	0.0004341	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0.0004341
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 3

CLIENT: EnSafe/Allen & Hoshall
ADDRESS: 5724 Summer Trees, Memphis, TN 38134
PROJECT NAME/NUMBER: 036 Sites 44/40
PROJECT MANAGER: Henry Beiro
TELEPHONE NO.: (901) 372-7962
FAX. NO.: (901) 372-2454
SAMPLERS: (SIGNATURE) D. T

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Benzoic Acids	REMARKS
16-03				Plastic	4°C	Formalin						X		
5A-04												X		
5A-05												X		
5A-06												X		
18-B1												X		
03-02												X		
03-07												X		
64-04												X		
64-05												X		
64-06												X		

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE: D. T	9/18 1997	SIGNATURE: Stan Bourque	9/19	SIGNATURE:		SIGNATURE:	
PRINTED: D. Tatum	TIME	PRINTED: S. Bosarge	TIME	PRINTED:	TIME	PRINTED:	TIME
COMPANY: E/A&H	1600	COMPANY: TAI	0915	COMPANY:		COMPANY:	
REASON: SHIPMENT		REASON: [illegible]		REASON:		REASON:	

METHOD OF SHIPMENT: FEDEX
SHIPMENT NO.:
SPECIAL INSTRUCTION: PRIORITY

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

059COCR

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

CLIENT EnSafe/Allen & Hoshall
ADDRESS 5724 Summer Trees
Memphis, TN. 38134
PROJECT NAME/NUMBER 036 - Site 40/41
PROJECT MANAGER Henry Beiro
TELEPHONE NO. (901) 372-7962
FAX. NO. (901) 372-2454
SAMPLERS: (SIGNATURE) D. T

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Ben-Thies	REMARKS
75-01				Plastic	4°C	Formalin						X		
40-01												X		
40-02												X		
40-03												X		
40-04												X		
40-05												X		
40-06												X		
40-07												X		
40-09												X		
40-10												X		

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE D. T	9/15	SIGNATURE See (1)		SIGNATURE		SIGNATURE	
PRINTED D. Truman	1998	PRINTED		PRINTED		PRINTED	
COMPANY E/A&H	TIME	COMPANY	TIME	COMPANY	TIME	COMPANY	TIME
REASON SHIPMENT	1600	REASON		REASON		REASON	

METHOD OF SHIPMENT: FEDEX
SHIPMENT NO.
SPECIAL INSTRUCTION: PRIORITY

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

059COCR

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 3 OF 3

CLIENT EnSafe/Allen & Hoshall
ADDRESS 5724 Summer Trees
Memphis, TN. 38134
PROJECT NAME/NUMBER 036 Sites 4/40

PROJECT MANAGER Henry Beiro
TELEPHONE NO. (901) 372-7962
FAX. NO. (901) 372-2454
SAMPLERS: (SIGNATURE) D. Trimm

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Ba Tics	REMARKS
33-01				Plastic	4°C	formalin							X	

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE D. Trimm	9/18	SIGNATURE		SIGNATURE		SIGNATURE	
PRINTED D. Trimm	1998	PRINTED		PRINTED		PRINTED	
COMPANY E/A&H	TIME	COMPANY	TIME	COMPANY	TIME	COMPANY	TIME
REASON SHIPMENT	1600	REASON		REASON		REASON	

METHOD OF SHIPMENT: FEDEX
SHIPMENT NO.
SPECIAL INSTRUCTION: PRIORITY

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

059COCR

Sample Check List - Ensafe/Allen & Hoshall (September 1997)

Station	Grab date	Picked	QAQC	Sorted	IDed	Data entered
16 - 03	9/18/97	10/6/97 LWS	10/17/97 LS	10/21/97 GB	10/21/97 GB	10/27/97 SS
5A - 04	9/18/97	10/27/97 LWS	10/27/97 LS	10/27/97 GB	10/27/97 GB	10/27/97 SS
5A - 05	9/18/97	10/23/97 LWS	10/25/97 LS	10/26/97 GB	10/28/97 GB	10/27/97 SS
5A - 06	9/18/97	10/27/97 LS	10/27/97 GB	10/27/97 GB	10/27/97 GB	10/27/97 GB
18 - B1	9/18/97	10/22/97 LS	10/23/97 GB	10/24/97 GB	10/24/97 GB	10/27/97 SS
03 - 02	9/18/97	10/1/97 LWS	10/14/97 GB	10/14/97 GB	10/14/97 GB	10/27/97 SS
03 - 07	9/18/97	10/1/97 LWS	10/14/97 GB	10/14/97 GB	10/14/97 GB	10/27/97 SS
64 - 04	9/18/97	10/26/97 LWS	10/26/97 LS	10/26/97 GB	10/26/97 GB	10/27/97 SS
64 - 05	9/18/97	10/26/97 LWS	10/26/97 LS	10/26/97 GB	10/26/97 GB	10/27/97 SS
64 - 06	9/18/97	10/27/97 KB	10/27/97 GB	10/27/97 GB	10/27/97 GB	10/27/97 GB
75 - 01	9/18/97	10/21/97 LWS	10/24/97 LS	10/26/97 GB	10/26/97 GB	10/27/97 SS
40 - 01	9/18/97	10/1/97 LWS	10/17/97 LS	10/21/97 GB	10/21/97 GB	10/27/97 SS
40 - 02	9/18/97	10/23/97 LWS	10/24/97 LS	10/24/97 GB	10/21/97 GB	
40 - 03	9/18/97	10/2/97 LWS	10/17/97 LS	10/21/97 GB	10/21/97 GB	
40 - 04	9/18/97	10/2/97 LWS	10/17/97 LS	10/22/97 GB	10/22/97 GB	
40 - 05	9/18/97	10/6/97 LWS	10/15/97 LS	10/22/97 GB	10/22/97 GB	
40 - 06	9/18/97	10/6/97 LWS	10/17/97 LS	10/22/97 GB	10/22/97 GB	
40 - 07	9/18/97	10/7/97 LWS	10/17/97 LS	10/22/97 GB	10/22/97 GB	
40 - 09	9/18/97	10/7/97 LWS	10/17/97 LS	10/23/97 GB	10/23/97 GB	
40 - 10	9/18/97	10/7/97 LWS	10/17/97 LS	10/23/97 GB	10/23/97 GB	
33 - 01	9/18/97	10/22/97 LWS	10/24/97 LS	10/26/97 GB	10/26/97 GB	10/27/97 SS

Appendix G

DDT Background Data

Data from *Magnitude and Extent of Sediment Toxicity in Four Bays of the Florida Panhandle: Pensacola, Choctawhatchee, St. Andrew, and Apalachicola.* (Long *et al.*, 1997).

Appendix B1. Chemistry and toxicity data from Pensacola Bay, 1993.

Station No.	Location	2,4-DDD ppb	4,4-DDD ppb	2,4'-DDE ppb	2,4-DDT ppb	4,4-DDT ppb	TOTAL DDT ppb	Endrin ppb	C/100	endrin ug/goc	Dieldrin ppb	C/100	Dieldrin ug/goc
1	Bayou Grande	1	5	1	0.1	0.5	7.6	1	0.06		2.84	0.06	0.05
2	Bayou Grande	1	0.5	1	0.1	0.5	3.1	1	0		0.1	0	
3	Bayou Grande	1	2.58	2.1	0.1	2.02	7.8	1	0.05		5.76	0.05	0.13
4	Bayou Chico	5.92	12.36	1	0.1	0.5	19.88	1	0.03		1.72	0.03	0.06
5	Bayou Chico	19.24	36.98	1	4.26	10.8	72.28	20.3	0.06	0.39	24.98	0.06	0.4
6	Bayou Chico	2.76	12.64	1	0.1	2.86	19.36	1	0.05		1.54	0.05	0.03
7	Bayou Chico	1	43.82	1	0.1	26.78	72.7	37.2	0.09	0.62	0.1	0.09	
8	Bayou Chico	29	35.12	1	0.1	28.08	93.3	11.28	0.06	0.2	9.54	0.06	0.16
9	Bayou Chico	1	8.6	1	0.1	8.84	19.54	1	0.06		1.36	0.06	0.02
10	Bayou Texar	8.16	37.24	1	1.72	37.06	85.18	1	0.06		10.26	0.06	0.17
11	Bayou Texar	1	8.52	1	0.1	4.94	15.56	1	0.04		2.44	0.04	0.06
12	Bayou Texar	1	0.5	1	0.1	0.5	3.1	1	0.04		0.1	0.04	
13	Bayou Texar	1	25.72	1	2.1	20.3	50.12	4.02	0.04	0.12	8.8	0.04	0.24
14	Warrington	1	0.5	1	0.1	2.32	4.92	1	0.03		0.1	0.03	
15	Bayou Chico	1	0.5	1	0.1	0.5	3.1	1	0.03		1.76	0.03	0.05
16	Bayou Channel	1	0.5	1	0.1	0.5	3.1	1	0		0.1	0	
17	Inner Harbor Channel	1	0.5	1	1.76	0.5	4.76	1	0		0.1	0	
18	Inner Harbor	16.76	53.84	1	0.1	0.5	72.2	1	0.06		7.26	0.06	0.12
19	Inner Harbor	1	0.5	1	0.1	0.5	3.1	1	0.03		0.1	0.03	
20	Inner Harbor	1	0.5	1	0.1	0.5	3.1	1	0.02		0.1	0.02	
21	Pensacola Bay	1	0.5	1	0.1	0.5	3.1	1	0.03		0.1	0.03	
22	Pensacola Bay	1	0.5	1	0.1	0.5	3.1	1	0.03		1.92	0.03	0.06
23	Inner Harbor	1	0.5	1	0.1	0.5	3.1	1	0.03		2.78	0.03	0.09
24	Lower Bay	1	0.5	1	0.1	0.5	3.1	1	0.03		0.1	0.03	
25	Lower Bay								0.03			0.03	
26	East Bay								0.03			0.03	
27	East Bay								0.04			0.04	
28	East Bay								0.04			0.04	
29	Blackwater Bay								0.05			0.05	
30	Blackwater Bay								0.07			0.07	
31	Blackwater Bay								0.03			0.03	
32	Escambia Bay								0.03			0.03	
33	Escambia Bay								0.01			0.01	
34	Escambia Bay								0.03			0.03	
35	Escambia Bay								0.04			0.04	
36	Escambia Bay								0.01			0.01	
37	Escambia River Mouth								0			0	
38	Escambia								0.03			0.03	
39	Floridatown								0.01			0.01	
40	Central Bay								0.03			0.03	
MDL		1 ppb	0.5 ppb	1 ppb	0.1 ppb	0.5 ppb	1	1			0.1		

DDT and its Metabolites from the Sites 40 and 41 Remedial Investigations at the Naval Air Station Pensacola

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
41M480101	4,4'-DDD	2600.0000	DJ	UG/KG
041M18A101	4,4'-DDD	930.0000	D	UG/KG
041M18B101	4,4'-DDD	280.0000	D	UG/KG
041M150301	4,4'-DDD	200.0000	DJ	UG/KG
041M640201	4,4'-DDD	140.0000	D	UG/KG
041M04D401	4,4'-DDD	110.0000	D	UG/KG
041M490101	4,4'-DDD	94.0000	DJ	UG/KG
041M150101	4,4'-DDD	85.0000	DJ	UG/KG
041M150201	4,4'-DDD	62.0000	DJ	UG/KG
041M490201	4,4'-DDD	59.0000	DJ	UG/KG
041M56A101	4,4'-DDD	53.0000	D	UG/KG
041M18A201	4,4'-DDD	49.0000	DJ	UG/KG
041M640301	4,4'-DDD	44.0000	J	UG/KG
041M060301	4,4'-DDD	40.0000	DJ	UG/KG
041M04D101	4,4'-DDD	33.0000	DJ	UG/KG
041M030201	4,4'-DDD	31.0000	D	UG/KG
041M640601	4,4'-DDD	30.0000		UG/KG
041M640501	4,4'-DDD	29.0000	J	UG/KG
041M010401	4,4'-DDD	25.0000	DJ	UG/KG
041M320101	4,4'-DDD	24.0000	J	UG/KG
041M060101	4,4'-DDD	23.0000	J	UG/KG
041M060701	4,4'-DDD	22.0000	J	UG/KG
040MZ21901	4,4'-DDD	16.0000	J	UG/KG
041M18A301	4,4'-DDD	16.0000		UG/KG
041M640401	4,4'-DDD	16.0000		UG/KG
0MZ22401	4,4'-DDD	15.0000		UG/KG
41M04D201	4,4'-DDD	15.0000	DJ	UG/KG
041M030101	4,4'-DDD	14.0000	DJ	UG/KG
041M790101	4,4'-DDD	14.0000	DJ	UG/KG
040MZ22301	4,4'-DDD	12.0000		UG/KG
041M640101	4,4'-DDD	12.0000	DJ	UG/KG
041M640701	4,4'-DDD	12.0000	D	UG/KG
040MZ20501	4,4'-DDD	9.8000	U	UG/KG
040MZ11201	4,4'-DDD	8.9000	U	UG/KG
041M060601	4,4'-DDD	8.3000	D	UG/KG
041M010201	4,4'-DDD	7.9000	J	UG/KG
041M030601	4,4'-DDD	7.7000	D	UG/KG
040MZ22101	4,4'-DDD	7.6000	DJ	UG/KG
040MZ10601	4,4'-DDD	7.3000	U	UG/KG
040MZ10901	4,4'-DDD	6.8000	U	UG/KG
041M030701	4,4'-DDD	6.8000	J	UG/KG
040MZ10701	4,4'-DDD	6.5000	U	UG/KG
041M060801	4,4'-DDD	6.4000	D	UG/KG
041M52E101	4,4'-DDD	6.1000	DJ	UG/KG
041MW20101	4,4'-DDD	5.8000	D	UG/KG
040MZ10501	4,4'-DDD	5.6000	U	UG/KG
041M63A301	4,4'-DDD	5.6000	DJ	UG/KG
040MZ21801	4,4'-DDD	5.2000	J	UG/KG
040MZ22201	4,4'-DDD	5.0000	J	UG/KG
041M010301	4,4'-DDD	5.0000	DJ	UG/KG
41M160301	4,4'-DDD	4.8000	J	UG/KG
1M030501	4,4'-DDD	3.5000	J	UG/KG
041M320301	4,4'-DDD	3.3000	J	UG/KG
041M570101	4,4'-DDD	3.3000	J	UG/KG
041M060201	4,4'-DDD	3.1000	J	UG/KG
040MZ10401	4,4'-DDD	3.0000	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
40MZ11301	4,4'-DDD	2.7000	U	UG/KG
040MZ10101	4,4'-DDD	2.4000	U	UG/KG
040MZ21701	4,4'-DDD	2.4000		UG/KG
040MZ21401	4,4'-DDD	2.3000	J	UG/KG
041M060401	4,4'-DDD	2.3000	J	UG/KG
041M5A0401	4,4'-DDD	2.3000	J	UG/KG
040MZ10801	4,4'-DDD	2.2000	U	UG/KG
041M060501	4,4'-DDD	2.2000		UG/KG
041M5B0201	4,4'-DDD	2.2000	J	UG/KG
041M640801	4,4'-DDD	2.2000		UG/KG
041M641001	4,4'-DDD	2.2000	J	UG/KG
040MZ10201	4,4'-DDD	2.1000	U	UG/KG
040MZ11001	4,4'-DDD	2.1000	U	UG/KG
040MZ11101	4,4'-DDD	2.1000	U	UG/KG
040MZ13401	4,4'-DDD	2.1000	U	UG/KG
041M320201	4,4'-DDD	2.1000	UJ	UG/KG
040MZ10301	4,4'-DDD	2.0000	U	UG/KG
040MZ24401	4,4'-DDD	1.8000	J	UG/KG
040MZ21501	4,4'-DDD	1.7000	J	UG/KG
041M250101	4,4'-DDD	1.7000	U	UG/KG
040MZ13501	4,4'-DDD	1.6000		UG/KG
041M030401	4,4'-DDD	1.6000	J	UG/KG
041M160201	4,4'-DDD	1.5000	J	UG/KG
041M5A0201	4,4'-DDD	1.5000	J	UG/KG
041M19A101	4,4'-DDD	1.4000	U	UG/KG
41M52A101	4,4'-DDD	1.4000	U	UG/KG
040MZ40101	4,4'-DDD	1.3000	J	UG/KG
041M030301	4,4'-DDD	1.3000	J	UG/KG
041M150401	4,4'-DDD	1.3000	J	UG/KG
041M63A201	4,4'-DDD	1.3000	J	UG/KG
040MZ13601	4,4'-DDD	1.2000	U	UG/KG
040MZ31901	4,4'-DDD	1.2000	U	UG/KG
041M250201	4,4'-DDD	1.2000	U	UG/KG
040MZ12201	4,4'-DDD	1.1000	U	UG/KG
040MZ40501	4,4'-DDD	1.1000	U	UG/KG
041M641901	4,4'-DDD	1.1000	J	UG/KG
040MZ22601	4,4'-DDD	1.0000	U	UG/KG
040MZ24701	4,4'-DDD	1.0000	J	UG/KG
041M641401	4,4'-DDD	1.0000	U	UG/KG
040MZ12901	4,4'-DDD	0.9900	U	UG/KG
040MZ13701	4,4'-DDD	0.9800	U	UG/KG
040MZ20601	4,4'-DDD	0.9800	U	UG/KG
041M641601	4,4'-DDD	0.9700	U	UG/KG
040MZ21601	4,4'-DDD	0.9300	J	UG/KG
041M641301	4,4'-DDD	0.9200	UJ	UG/KG
041MW20301	4,4'-DDD	0.9100	U	UG/KG
040MZ11901	4,4'-DDD	0.8800	U	UG/KG
041MW20201	4,4'-DDD	0.8600		UG/KG
040MZ11401	4,4'-DDD	0.8400	U	UG/KG
041M5A0301	4,4'-DDD	0.8400	J	UG/KG
040MZ22801	4,4'-DDD	0.8100	U	UG/KG
0MZ24601	4,4'-DDD	0.8100	U	UG/KG
041M5A0501	4,4'-DDD	0.8100	UJ	UG/KG
040MZ13001	4,4'-DDD	0.7600	U	UG/KG
040MZ23301	4,4'-DDD	0.7600	U	UG/KG
040MZ40401	4,4'-DDD	0.7300	UJ	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
41M19B101	4,4'-DDD	0.7100		UG/KG
040MZ12001	4,4'-DDD	0.7000	UR	UG/KG
041M270201	4,4'-DDD	0.7000	U	UG/KG
041M641101	4,4'-DDD	0.6800	J	UG/KG
040MZ30201	4,4'-DDD	0.6700	U	UG/KG
041M5A0101	4,4'-DDD	0.6400	J	UG/KG
040MZ11601	4,4'-DDD	0.6200	U	UG/KG
040MZ23101	4,4'-DDD	0.6000	U	UG/KG
041M250301	4,4'-DDD	0.5300	U	UG/KG
040MZ11501	4,4'-DDD	0.5100	UR	UG/KG
041M52E201	4,4'-DDD	0.5100	J	UG/KG
040MZ21201	4,4'-DDD	0.5000	J	UG/KG
040MZ32301	4,4'-DDD	0.5000	J	UG/KG
041M52D101	4,4'-DDD	0.4500	J	UG/KG
040MZ23601	4,4'-DDD	0.4300	J	UG/KG
040MZ30701	4,4'-DDD	0.4200	U	UG/KG
041M330201	4,4'-DDD	0.4200	U	UG/KG
041M270101	4,4'-DDD	0.4100	UJ	UG/KG
041M330101	4,4'-DDD	0.3900	UJ	UG/KG
040MZ20801	4,4'-DDD	0.3700	J	UG/KG
040MZ40801	4,4'-DDD	0.3700	J	UG/KG
041M63B101	4,4'-DDD	0.3600	UR	UG/KG
040MZ30401	4,4'-DDD	0.3400	J	UG/KG
041M63B201	4,4'-DDD	0.3400	J	UG/KG
040MZ24501	4,4'-DDD	0.3200	J	UG/KG
41M120201	4,4'-DDD	0.3200	U	UG/KG
041M63A401	4,4'-DDD	0.3200	J	UG/KG
041M640901	4,4'-DDD	0.3100	J	UG/KG
041M641701	4,4'-DDD	0.3100	U	UG/KG
040MZ22501	4,4'-DDD	0.2800	U	UG/KG
041M160101	4,4'-DDD	0.2700	J	UG/KG
040MZ20901	4,4'-DDD	0.2600	J	UG/KG
040MZ21001	4,4'-DDD	0.2600	J	UG/KG
040MZ40301	4,4'-DDD	0.2600	J	UG/KG
041M130101	4,4'-DDD	0.2600	UJ	UG/KG
041M641201	4,4'-DDD	0.2600	J	UG/KG
040MZ32001	4,4'-DDD	0.2500	UJ	UG/KG
041M060901	4,4'-DDD	0.2500	J	UG/KG
040MZ31701	4,4'-DDD	0.2400	J	UG/KG
040MZ41301	4,4'-DDD	0.2400	U	UG/KG
041M490301	4,4'-DDD	0.2400	U	UG/KG
041M52E301	4,4'-DDD	0.2400	U	UG/KG
041M642201	4,4'-DDD	0.2400	U	UG/KG
040MZ21101	4,4'-DDD	0.2300	U	UG/KG
040MZ23501	4,4'-DDD	0.2300	U	UG/KG
040MZ30801	4,4'-DDD	0.2300	U	UG/KG
041M010101	4,4'-DDD	0.2300	UJ	UG/KG
041M170101	4,4'-DDD	0.2300	J	UG/KG
041M580101	4,4'-DDD	0.2300	U	UG/KG
041M5A0601	4,4'-DDD	0.2300	U	UG/KG
41M5A0701	4,4'-DDD	0.2300	J	UG/KG
1M63B401	4,4'-DDD	0.2300	J	UG/KG
041M642401	4,4'-DDD	0.2300	UJ	UG/KG
041M720101	4,4'-DDD	0.2300	U	UG/KG
040MZ11701	4,4'-DDD	0.2200	U	UG/KG
040MZ12601	4,4'-DDD	0.2200	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
040MZ20301	4,4'-DDD	0.2200	UJ	UG/KG
040MZ20701	4,4'-DDD	0.2200	U	UG/KG
040MZ23401	4,4'-DDD	0.2200	U	UG/KG
040MZ23801	4,4'-DDD	0.2200	U	UG/KG
040MZ24101	4,4'-DDD	0.2200	U	UG/KG
040MZ24801	4,4'-DDD	0.2200	U	UG/KG
040MZ24901	4,4'-DDD	0.2200	U	UG/KG
040MZ25101	4,4'-DDD	0.2200	U	UG/KG
040MZ25501	4,4'-DDD	0.2200	U	UG/KG
040MZ25701	4,4'-DDD	0.2200	U	UG/KG
040MZ31001	4,4'-DDD	0.2200	U	UG/KG
040MZ31301	4,4'-DDD	0.2200	UJ	UG/KG
040MZ31401	4,4'-DDD	0.2200	U	UG/KG
040MZ31501	4,4'-DDD	0.2200	U	UG/KG
040MZ31601	4,4'-DDD	0.2200	U	UG/KG
040MZ31801	4,4'-DDD	0.2200	U	UG/KG
040MZ32201	4,4'-DDD	0.2200	UJ	UG/KG
040MZ32401	4,4'-DDD	0.2200	UJ	UG/KG
040MZ40701	4,4'-DDD	0.2200	UR	UG/KG
040MZ41101	4,4'-DDD	0.2200	U	UG/KG
040MZ41201	4,4'-DDD	0.2200	U	UG/KG
040MZ41401	4,4'-DDD	0.2200	U	UG/KG
040MZ41501	4,4'-DDD	0.2200	U	UG/KG
040MZ41601	4,4'-DDD	0.2200	U	UG/KG
040MZ41701	4,4'-DDD	0.2200	U	UG/KG
040MZ42101	4,4'-DDD	0.2200	U	UG/KG
041M061001	4,4'-DDD	0.2200	J	UG/KG
041M330301	4,4'-DDD	0.2200	U	UG/KG
041M641801	4,4'-DDD	0.2200	U	UG/KG
041M642301	4,4'-DDD	0.2200	U	UG/KG
041M790301	4,4'-DDD	0.2200	U	UG/KG
040MZ11801	4,4'-DDD	0.2100	U	UG/KG
040MZ12101	4,4'-DDD	0.2100	U	UG/KG
040MZ12401	4,4'-DDD	0.2100	U	UG/KG
040MZ12501	4,4'-DDD	0.2100	U	UG/KG
040MZ12701	4,4'-DDD	0.2100	U	UG/KG
040MZ12801	4,4'-DDD	0.2100	U	UG/KG
040MZ13101	4,4'-DDD	0.2100	U	UG/KG
040MZ13201	4,4'-DDD	0.2100	U	UG/KG
040MZ13301	4,4'-DDD	0.2100	U	UG/KG
040MZ13801	4,4'-DDD	0.2100	U	UG/KG
040MZ20101	4,4'-DDD	0.2100	UJ	UG/KG
040MZ20201	4,4'-DDD	0.2100	UJ	UG/KG
040MZ20401	4,4'-DDD	0.2100	UJ	UG/KG
040MZ21301	4,4'-DDD	0.2100	UJ	UG/KG
040MZ22001	4,4'-DDD	0.2100	UJ	UG/KG
040MZ22701	4,4'-DDD	0.2100	U	UG/KG
040MZ22901	4,4'-DDD	0.2100	U	UG/KG
040MZ23001	4,4'-DDD	0.2100	U	UG/KG
040MZ23201	4,4'-DDD	0.2100	U	UG/KG
040MZ23701	4,4'-DDD	0.2100	U	UG/KG
040MZ23901	4,4'-DDD	0.2100	U	UG/KG
040MZ24001	4,4'-DDD	0.2100	U	UG/KG
040MZ24201	4,4'-DDD	0.2100	UR	UG/KG
040MZ24301	4,4'-DDD	0.2100	U	UG/KG
040MZ25001	4,4'-DDD	0.2100	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
040MZ25201	4,4'-DDD	0.2100	U	UG/KG
040MZ25301	4,4'-DDD	0.2100	U	UG/KG
040MZ25401	4,4'-DDD	0.2100	U	UG/KG
040MZ25601	4,4'-DDD	0.2100	U	UG/KG
040MZ30101	4,4'-DDD	0.2100	U	UG/KG
040MZ30301	4,4'-DDD	0.2100	U	UG/KG
040MZ30501	4,4'-DDD	0.2100	U	UG/KG
040MZ30601	4,4'-DDD	0.2100	U	UG/KG
040MZ30901	4,4'-DDD	0.2100	UJ	UG/KG
040MZ31101	4,4'-DDD	0.2100	U	UG/KG
040MZ31201	4,4'-DDD	0.2100	U	UG/KG
040MZ32101	4,4'-DDD	0.2100	UJ	UG/KG
040MZ40201	4,4'-DDD	0.2100	UR	UG/KG
040MZ40601	4,4'-DDD	0.2100	U	UG/KG
040MZ40901	4,4'-DDD	0.2100	U	UG/KG
040MZ41001	4,4'-DDD	0.2100	U	UG/KG
040MZ41801	4,4'-DDD	0.2100	U	UG/KG
040MZ41901	4,4'-DDD	0.2100	UJ	UG/KG
040MZ42001	4,4'-DDD	0.2100	U	UG/KG
040MZ42201	4,4'-DDD	0.2100	U	UG/KG
040MZ42301	4,4'-DDD	0.2100	U	UG/KG
040MZ42401	4,4'-DDD	0.2100	U	UG/KG
041M04D301	4,4'-DDD	0.2100	U	UG/KG
041M04D501	4,4'-DDD	0.2100	U	UG/KG
041M061101	4,4'-DDD	0.2100	J	UG/KG
041M10A101	4,4'-DDD	0.2100	U	UG/KG
041M10A201	4,4'-DDD	0.2100	U	UG/KG
041M10A301	4,4'-DDD	0.2100	U	UG/KG
041M120101	4,4'-DDD	0.2100	U	UG/KG
041M170201	4,4'-DDD	0.2100	U	UG/KG
041M19A201	4,4'-DDD	0.2100	U	UG/KG
041M5B0101	4,4'-DDD	0.2100	U	UG/KG
041M63A501	4,4'-DDD	0.2100	U	UG/KG
041M63B301	4,4'-DDD	0.2100	U	UG/KG
041M642001	4,4'-DDD	0.2100	U	UG/KG
041M642101	4,4'-DDD	0.2100	U	UG/KG
041M63A101	4,4'-DDD	0.2000	U	UG/KG
041M641501	4,4'-DDD	0.2000	J	UG/KG
041M720201	4,4'-DDD	0.2000	J	UG/KG
040MZ12301	4,4'-DDD	0.1900	U	UG/KG
041M170301	4,4'-DDD	0.1900	U	UG/KG
041M480101	4,4'-DDE	620.0000	DJ	UG/KG
041M150101	4,4'-DDE	340.0000	DJ	UG/KG
041M18A101	4,4'-DDE	270.0000	D	UG/KG
041M5A0501	4,4'-DDE	120.0000	D	UG/KG
041M060101	4,4'-DDE	110.0000	D	UG/KG
041M150201	4,4'-DDE	110.0000	DJ	UG/KG
041M640301	4,4'-DDE	78.0000		UG/KG
041M640201	4,4'-DDE	72.0000	DJ	UG/KG
041M150301	4,4'-DDE	69.0000	DJ	UG/KG
041M04D401	4,4'-DDE	65.0000	DJ	UG/KG
041M18A201	4,4'-DDE	57.0000	DJ	UG/KG
041M18B101	4,4'-DDE	50.0000	U	UG/KG
041M04D101	4,4'-DDE	46.0000	DJ	UG/KG
041M320101	4,4'-DDE	37.0000	J	UG/KG
041M060701	4,4'-DDE	34.0000	J	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
041M060301	4,4'-DDE	33.0000	DJ	UG/KG
041M04D201	4,4'-DDE	29.0000	DJ	UG/KG
041M640501	4,4'-DDE	27.0000	DJ	UG/KG
041M160301	4,4'-DDE	26.0000	J	UG/KG
041M030101	4,4'-DDE	21.0000	DJ	UG/KG
041M490101	4,4'-DDE	18.0000		UG/KG
041M640401	4,4'-DDE	18.0000		UG/KG
041M640601	4,4'-DDE	16.0000	J	UG/KG
041M18A301	4,4'-DDE	14.0000	J	UG/KG
040MZ22401	4,4'-DDE	13.0000		UG/KG
041M150401	4,4'-DDE	10.0000	J	UG/KG
040MZ22301	4,4'-DDE	9.7000		UG/KG
040MZ21901	4,4'-DDE	9.4000	J	UG/KG
041M490201	4,4'-DDE	9.2000		UG/KG
041M010201	4,4'-DDE	8.6000	J	UG/KG
041M060801	4,4'-DDE	8.4000	D	UG/KG
041M060601	4,4'-DDE	8.0000	D	UG/KG
041M570101	4,4'-DDE	7.2000	J	UG/KG
041M52E101	4,4'-DDE	7.0000	D	UG/KG
040MZ21401	4,4'-DDE	5.8000		UG/KG
041M56A101	4,4'-DDE	5.3000	DJ	UG/KG
040MZ21801	4,4'-DDE	4.6000	J	UG/KG
041M010401	4,4'-DDE	4.5000	DJ	UG/KG
040MZ10901	4,4'-DDE	4.4000	DJ	UG/KG
040MZ21501	4,4'-DDE	4.4000		UG/KG
40MZ31901	4,4'-DDE	4.4000		UG/KG
041M060401	4,4'-DDE	4.3000		UG/KG
040MZ22101	4,4'-DDE	4.2000	J	UG/KG
040MZ10701	4,4'-DDE	4.0000	DJ	UG/KG
040MZ22201	4,4'-DDE	3.9000		UG/KG
041M5B0201	4,4'-DDE	3.9000		UG/KG
040MZ30401	4,4'-DDE	3.8000	J	UG/KG
041M640101	4,4'-DDE	3.7000	J	UG/KG
040MZ10601	4,4'-DDE	3.4000	DJ	UG/KG
040MZ23301	4,4'-DDE	3.3000	J	UG/KG
040MZ10501	4,4'-DDE	3.1000	DJ	UG/KG
041M160201	4,4'-DDE	3.1000	J	UG/KG
041M330101	4,4'-DDE	3.1000	J	UG/KG
040MZ22601	4,4'-DDE	2.9000	J	UG/KG
041M060201	4,4'-DDE	2.8000	J	UG/KG
041M060501	4,4'-DDE	2.8000	J	UG/KG
040MZ11301	4,4'-DDE	2.7000	U	UG/KG
040MZ12201	4,4'-DDE	2.7000	J	UG/KG
041M270101	4,4'-DDE	2.7000	J	UG/KG
040MZ20501	4,4'-DDE	2.6000	DJ	UG/KG
041M030601	4,4'-DDE	2.5000	J	UG/KG
041M641001	4,4'-DDE	2.5000	J	UG/KG
040MZ10101	4,4'-DDE	2.4000	U	UG/KG
040MZ22801	4,4'-DDE	2.4000	J	UG/KG
041M640801	4,4'-DDE	2.4000		UG/KG
041MW20101	4,4'-DDE	2.4000	J	UG/KG
40MZ11201	4,4'-DDE	2.3000	DJ	UG/KG
041M10A301	4,4'-DDE	2.3000		UG/KG
040MZ10801	4,4'-DDE	2.2000	U	UG/KG
040MZ24401	4,4'-DDE	2.2000	J	UG/KG
041M320301	4,4'-DDE	2.2000	J	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
40MZ10201	4,4'-DDE	2.1000	U	UG/KG
040MZ11001	4,4'-DDE	2.1000	U	UG/KG
040MZ11101	4,4'-DDE	2.1000	U	UG/KG
040MZ11501	4,4'-DDE	2.1000	J	UG/KG
040MZ13401	4,4'-DDE	2.1000	U	UG/KG
041M320201	4,4'-DDE	2.1000	UJ	UG/KG
040MZ10301	4,4'-DDE	2.0000	U	UG/KG
040MZ13001	4,4'-DDE	2.0000	J	UG/KG
040MZ20601	4,4'-DDE	2.0000	J	UG/KG
040MZ31701	4,4'-DDE	2.0000	J	UG/KG
041M250201	4,4'-DDE	2.0000	J	UG/KG
041M641101	4,4'-DDE	2.0000	J	UG/KG
040MZ24701	4,4'-DDE	1.9000	J	UG/KG
041M130101	4,4'-DDE	1.9000	J	UG/KG
040MZ21701	4,4'-DDE	1.8000		UG/KG
040MZ23101	4,4'-DDE	1.8000	J	UG/KG
041M270201	4,4'-DDE	1.8000	J	UG/KG
041M250101	4,4'-DDE	1.7000	U	UG/KG
041M5A0401	4,4'-DDE	1.7000	J	UG/KG
040MZ11901	4,4'-DDE	1.6000	J	UG/KG
040MZ40101	4,4'-DDE	1.6000	J	UG/KG
040MZ11401	4,4'-DDE	1.5000	J	UG/KG
040MZ11601	4,4'-DDE	1.5000	J	UG/KG
041M030201	4,4'-DDE	1.5000	U	UG/KG
040MZ32301	4,4'-DDE	1.4000	J	UG/KG
41M19A101	4,4'-DDE	1.4000	U	UG/KG
041M52A101	4,4'-DDE	1.4000	U	UG/KG
041M5A0201	4,4'-DDE	1.4000	J	UG/KG
041M641301	4,4'-DDE	1.4000	J	UG/KG
041M250301	4,4'-DDE	1.3000	J	UG/KG
041M641901	4,4'-DDE	1.3000	J	UG/KG
041M790101	4,4'-DDE	1.3000	J	UG/KG
040MZ12901	4,4'-DDE	1.2000	J	UG/KG
040MZ13601	4,4'-DDE	1.2000	U	UG/KG
040MZ40501	4,4'-DDE	1.2000	J	UG/KG
041M19B101	4,4'-DDE	1.2000		UG/KG
041M5A0601	4,4'-DDE	1.2000		UG/KG
040MZ30801	4,4'-DDE	1.1000	J	UG/KG
041M030501	4,4'-DDE	1.1000	U	UG/KG
041M641401	4,4'-DDE	1.0000	U	UG/KG
040MZ10401	4,4'-DDE	0.9900	DJ	UG/KG
040MZ13701	4,4'-DDE	0.9800	U	UG/KG
041M120201	4,4'-DDE	0.9700		UG/KG
041M641601	4,4'-DDE	0.9700	U	UG/KG
041M63A201	4,4'-DDE	0.9500		UG/KG
041MW20301	4,4'-DDE	0.9100	U	UG/KG
041M030401	4,4'-DDE	0.9000		UG/KG
040MZ40401	4,4'-DDE	0.8900	J	UG/KG
041M030701	4,4'-DDE	0.8800	U	UG/KG
041M5A0101	4,4'-DDE	0.8700	J	UG/KG
41M030301	4,4'-DDE	0.8400	J	UG/KG
0MZ24601	4,4'-DDE	0.8100	U	UG/KG
040MZ21201	4,4'-DDE	0.8000		UG/KG
040MZ22501	4,4'-DDE	0.8000	J	UG/KG
041M04D301	4,4'-DDE	0.7200	J	UG/KG
040MZ12001	4,4'-DDE	0.7000	UR	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE_ID	PARAM	RESULT	VQUAL	CONC_UNITS
040MZ21601	4,4'-DDE	0.6800	J	UG/KG
040MZ30201	4,4'-DDE	0.6700	U	UG/KG
040MZ30701	4,4'-DDE	0.6600	J	UG/KG
041M5A0301	4,4'-DDE	0.6100	UJ	UG/KG
041M640701	4,4'-DDE	0.6100		UG/KG
040MZ22001	4,4'-DDE	0.5900		UG/KG
041M19A201	4,4'-DDE	0.5500		UG/KG
040MZ32001	4,4'-DDE	0.4900	J	UG/KG
040MZ21101	4,4'-DDE	0.4800	J	UG/KG
041M010301	4,4'-DDE	0.4800	J	UG/KG
041M52E201	4,4'-DDE	0.4500	U	UG/KG
040MZ32401	4,4'-DDE	0.4300	J	UG/KG
041M52D101	4,4'-DDE	0.4300	U	UG/KG
041M641501	4,4'-DDE	0.4300	J	UG/KG
041M330201	4,4'-DDE	0.4200	U	UG/KG
041M63A301	4,4'-DDE	0.3800	U	UG/KG
041MW20201	4,4'-DDE	0.3800	J	UG/KG
041M63B401	4,4'-DDE	0.3700	J	UG/KG
041M63B101	4,4'-DDE	0.3600	J	UG/KG
041M640901	4,4'-DDE	0.3500		UG/KG
041M04D501	4,4'-DDE	0.3200		UG/KG
041M5B0101	4,4'-DDE	0.3200	J	UG/KG
041M641701	4,4'-DDE	0.3100	U	UG/KG
040MZ23601	4,4'-DDE	0.3000	J	UG/KG
040MZ24501	4,4'-DDE	0.3000	J	UG/KG
041M160101	4,4'-DDE	0.3000	J	UG/KG
041M170101	4,4'-DDE	0.3000		UG/KG
041M061101	4,4'-DDE	0.2900		UG/KG
040MZ31401	4,4'-DDE	0.2800	J	UG/KG
041M63B201	4,4'-DDE	0.2700	J	UG/KG
040MZ40801	4,4'-DDE	0.2600	UJ	UG/KG
041M63A401	4,4'-DDE	0.2600	UJ	UG/KG
041M10A201	4,4'-DDE	0.2500	J	UG/KG
040MZ41301	4,4'-DDE	0.2400	U	UG/KG
041M490301	4,4'-DDE	0.2400	U	UG/KG
041M52E301	4,4'-DDE	0.2400	U	UG/KG
041M642201	4,4'-DDE	0.2400	U	UG/KG
041M720101	4,4'-DDE	0.2400		UG/KG
040MZ23501	4,4'-DDE	0.2300	U	UG/KG
040MZ41101	4,4'-DDE	0.2300	J	UG/KG
041M010101	4,4'-DDE	0.2300	UJ	UG/KG
041M061001	4,4'-DDE	0.2300		UG/KG
041M580101	4,4'-DDE	0.2300	U	UG/KG
041M642401	4,4'-DDE	0.2300	UJ	UG/KG
040MZ11701	4,4'-DDE	0.2200	U	UG/KG
040MZ12601	4,4'-DDE	0.2200	U	UG/KG
040MZ20301	4,4'-DDE	0.2200	U	UG/KG
040MZ20701	4,4'-DDE	0.2200	U	UG/KG
040MZ23401	4,4'-DDE	0.2200	U	UG/KG
040MZ23801	4,4'-DDE	0.2200	U	UG/KG
040MZ24101	4,4'-DDE	0.2200	U	UG/KG
040MZ24801	4,4'-DDE	0.2200	U	UG/KG
040MZ24901	4,4'-DDE	0.2200	U	UG/KG
040MZ25101	4,4'-DDE	0.2200	J	UG/KG
040MZ25501	4,4'-DDE	0.2200	U	UG/KG
040MZ25701	4,4'-DDE	0.2200	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
040MZ31001	4,4'-DDE	0.2200	U	UG/KG
040MZ31301	4,4'-DDE	0.2200	UJ	UG/KG
040MZ31501	4,4'-DDE	0.2200	U	UG/KG
040MZ31601	4,4'-DDE	0.2200	U	UG/KG
040MZ31801	4,4'-DDE	0.2200	U	UG/KG
040MZ32201	4,4'-DDE	0.2200	UJ	UG/KG
040MZ40701	4,4'-DDE	0.2200	UR	UG/KG
040MZ41201	4,4'-DDE	0.2200	U	UG/KG
040MZ41401	4,4'-DDE	0.2200	U	UG/KG
040MZ41501	4,4'-DDE	0.2200	U	UG/KG
040MZ41601	4,4'-DDE	0.2200	U	UG/KG
040MZ41701	4,4'-DDE	0.2200	U	UG/KG
040MZ42101	4,4'-DDE	0.2200	U	UG/KG
041M060901	4,4'-DDE	0.2200	U	UG/KG
041M330301	4,4'-DDE	0.2200	U	UG/KG
041M641801	4,4'-DDE	0.2200	U	UG/KG
041M642301	4,4'-DDE	0.2200	U	UG/KG
041M790301	4,4'-DDE	0.2200	U	UG/KG
040MZ11801	4,4'-DDE	0.2100	U	UG/KG
040MZ12101	4,4'-DDE	0.2100	U	UG/KG
040MZ12401	4,4'-DDE	0.2100	U	UG/KG
040MZ12501	4,4'-DDE	0.2100	U	UG/KG
040MZ12701	4,4'-DDE	0.2100	U	UG/KG
040MZ12801	4,4'-DDE	0.2100	U	UG/KG
040MZ13101	4,4'-DDE	0.2100	U	UG/KG
040MZ13201	4,4'-DDE	0.2100	U	UG/KG
040MZ13301	4,4'-DDE	0.2100	U	UG/KG
040MZ13501	4,4'-DDE	0.2100	U	UG/KG
040MZ13801	4,4'-DDE	0.2100	U	UG/KG
040MZ20101	4,4'-DDE	0.2100	U	UG/KG
040MZ20201	4,4'-DDE	0.2100	U	UG/KG
040MZ20401	4,4'-DDE	0.2100	U	UG/KG
040MZ20801	4,4'-DDE	0.2100	U	UG/KG
040MZ20901	4,4'-DDE	0.2100	U	UG/KG
040MZ21001	4,4'-DDE	0.2100	U	UG/KG
040MZ21301	4,4'-DDE	0.2100	U	UG/KG
040MZ22701	4,4'-DDE	0.2100	U	UG/KG
040MZ22901	4,4'-DDE	0.2100	U	UG/KG
040MZ23001	4,4'-DDE	0.2100	U	UG/KG
040MZ23201	4,4'-DDE	0.2100	U	UG/KG
040MZ23701	4,4'-DDE	0.2100	U	UG/KG
040MZ23901	4,4'-DDE	0.2100	U	UG/KG
040MZ24001	4,4'-DDE	0.2100	U	UG/KG
040MZ24201	4,4'-DDE	0.2100	UR	UG/KG
040MZ24301	4,4'-DDE	0.2100	U	UG/KG
040MZ25001	4,4'-DDE	0.2100	U	UG/KG
040MZ25201	4,4'-DDE	0.2100	U	UG/KG
040MZ25301	4,4'-DDE	0.2100	U	UG/KG
040MZ25401	4,4'-DDE	0.2100	U	UG/KG
040MZ25601	4,4'-DDE	0.2100	U	UG/KG
040MZ30101	4,4'-DDE	0.2100	U	UG/KG
040MZ30301	4,4'-DDE	0.2100	U	UG/KG
040MZ30501	4,4'-DDE	0.2100	U	UG/KG
040MZ30601	4,4'-DDE	0.2100	J	UG/KG
040MZ30901	4,4'-DDE	0.2100	UJ	UG/KG
040MZ31101	4,4'-DDE	0.2100	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE_ID	PARAM	RESULT	VQUAL	CONC_UNITS
040MZ31201	4,4'-DDE	0.2100	U	UG/KG
040MZ32101	4,4'-DDE	0.2100	UJ	UG/KG
040MZ40201	4,4'-DDE	0.2100	UR	UG/KG
040MZ40301	4,4'-DDE	0.2100	U	UG/KG
040MZ40601	4,4'-DDE	0.2100	U	UG/KG
040MZ40901	4,4'-DDE	0.2100	U	UG/KG
040MZ41001	4,4'-DDE	0.2100	U	UG/KG
040MZ41801	4,4'-DDE	0.2100	U	UG/KG
040MZ41901	4,4'-DDE	0.2100	UJ	UG/KG
040MZ42001	4,4'-DDE	0.2100	U	UG/KG
040MZ42201	4,4'-DDE	0.2100	U	UG/KG
040MZ42301	4,4'-DDE	0.2100	U	UG/KG
040MZ42401	4,4'-DDE	0.2100	U	UG/KG
041M10A101	4,4'-DDE	0.2100	U	UG/KG
041M120101	4,4'-DDE	0.2100	U	UG/KG
041M170201	4,4'-DDE	0.2100	U	UG/KG
041M63A501	4,4'-DDE	0.2100	U	UG/KG
041M63B301	4,4'-DDE	0.2100	U	UG/KG
041M641201	4,4'-DDE	0.2100	U	UG/KG
041M642001	4,4'-DDE	0.2100	U	UG/KG
041M642101	4,4'-DDE	0.2100	U	UG/KG
041M720201	4,4'-DDE	0.2100	U	UG/KG
041M5A0701	4,4'-DDE	0.2000	U	UG/KG
041M63A101	4,4'-DDE	0.2000	U	UG/KG
040MZ12301	4,4'-DDE	0.1900	U	UG/KG
41M170301	4,4'-DDE	0.1900	U	UG/KG
041M18B101	4,4'-DDT	1800.0000	D	UG/KG
041M18A101	4,4'-DDT	1200.0000	D	UG/KG
041M18A201	4,4'-DDT	310.0000	D	UG/KG
041M060101	4,4'-DDT	260.0000	DJ	UG/KG
041M480101	4,4'-DDT	240.0000	J	UG/KG
041M060301	4,4'-DDT	52.0000	D	UG/KG
040MZ22401	4,4'-DDT	22.0000	J	UG/KG
041M150301	4,4'-DDT	16.0000	J	UG/KG
041M640101	4,4'-DDT	14.0000	DJ	UG/KG
041M640301	4,4'-DDT	14.0000	J	UG/KG
041M320101	4,4'-DDT	13.0000	J	UG/KG
040MZ22101	4,4'-DDT	12.0000	DJ	UG/KG
041M060701	4,4'-DDT	11.0000	J	UG/KG
041M010401	4,4'-DDT	10.0000	DJ	UG/KG
041M150101	4,4'-DDT	9.9000	J	UG/KG
040MZ20501	4,4'-DDT	9.8000	U	UG/KG
040MZ11201	4,4'-DDT	8.9000	U	UG/KG
041M030101	4,4'-DDT	7.5000	DJ	UG/KG
040MZ10601	4,4'-DDT	7.3000	U	UG/KG
040MZ10901	4,4'-DDT	6.8000	U	UG/KG
040MZ10701	4,4'-DDT	6.5000	U	UG/KG
040MZ21901	4,4'-DDT	6.3000	J	UG/KG
040MZ10501	4,4'-DDT	5.6000	U	UG/KG
041M5A0501	4,4'-DDT	5.0000	J	UG/KG
41M060601	4,4'-DDT	4.8000	J	UG/KG
1M060801	4,4'-DDT	4.5000	J	UG/KG
041M150201	4,4'-DDT	4.3000	J	UG/KG
041M04D401	4,4'-DDT	3.9000	J	UG/KG
041M790101	4,4'-DDT	3.5000	J	UG/KG
041MW20101	4,4'-DDT	3.5000	J	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE_ID	PARAM	RESULT	VQUAL	CONC_UNITS
041M640201	4,4'-DDT	3.3000	U	UG/KG
040MZ10401	4,4'-DDT	3.0000	U	UG/KG
040MZ22301	4,4'-DDT	3.0000	J	UG/KG
041M490201	4,4'-DDT	3.0000	J	UG/KG
041M04D101	4,4'-DDT	2.9000	J	UG/KG
041M160301	4,4'-DDT	2.8000	J	UG/KG
041M56A101	4,4'-DDT	2.8000		UG/KG
040MZ11301	4,4'-DDT	2.7000	U	UG/KG
040MZ10101	4,4'-DDT	2.4000	U	UG/KG
040MZ10801	4,4'-DDT	2.2000	U	UG/KG
040MZ21801	4,4'-DDT	2.2000	J	UG/KG
041M04D201	4,4'-DDT	2.2000	J	UG/KG
041M060501	4,4'-DDT	2.2000		UG/KG
040MZ10201	4,4'-DDT	2.1000	U	UG/KG
040MZ11001	4,4'-DDT	2.1000	U	UG/KG
040MZ11101	4,4'-DDT	2.1000	U	UG/KG
040MZ13401	4,4'-DDT	2.1000	U	UG/KG
041M320201	4,4'-DDT	2.1000	UJ	UG/KG
040MZ10301	4,4'-DDT	2.0000	U	UG/KG
041M060401	4,4'-DDT	2.0000	J	UG/KG
040MZ30101	4,4'-DDT	1.9000	J	UG/KG
041M030601	4,4'-DDT	1.9000	J	UG/KG
041M18A301	4,4'-DDT	1.9000	J	UG/KG
041M270201	4,4'-DDT	1.9000	J	UG/KG
041M640401	4,4'-DDT	1.9000	U	UG/KG
41M250101	4,4'-DDT	1.8000	J	UG/KG
040MZ31701	4,4'-DDT	1.6000	J	UG/KG
041M04D301	4,4'-DDT	1.5000	J	UG/KG
041M320301	4,4'-DDT	1.5000	UJ	UG/KG
041M010301	4,4'-DDT	1.4000	J	UG/KG
041M030201	4,4'-DDT	1.4000	J	UG/KG
041M130101	4,4'-DDT	1.4000	J	UG/KG
041M19A101	4,4'-DDT	1.4000	U	UG/KG
041M52A101	4,4'-DDT	1.4000	U	UG/KG
041M640601	4,4'-DDT	1.4000	J	UG/KG
040MZ40101	4,4'-DDT	1.3000	J	UG/KG
041M52E101	4,4'-DDT	1.3000		UG/KG
041M5A0401	4,4'-DDT	1.3000	J	UG/KG
040MZ13601	4,4'-DDT	1.2000	U	UG/KG
040MZ31901	4,4'-DDT	1.2000	U	UG/KG
041M250201	4,4'-DDT	1.2000	U	UG/KG
041M490101	4,4'-DDT	1.2000	J	UG/KG
041M570101	4,4'-DDT	1.2000	J	UG/KG
040MZ12201	4,4'-DDT	1.1000	UJ	UG/KG
040MZ24401	4,4'-DDT	1.1000	UJ	UG/KG
040MZ30401	4,4'-DDT	1.1000	J	UG/KG
040MZ40501	4,4'-DDT	1.1000	UJ	UG/KG
041M010201	4,4'-DDT	1.1000	J	UG/KG
041M030501	4,4'-DDT	1.1000	U	UG/KG
041M63A301	4,4'-DDT	1.1000	J	UG/KG
041M641901	4,4'-DDT	1.1000	U	UG/KG
40MZ22601	4,4'-DDT	1.0000	J	UG/KG
041M641401	4,4'-DDT	1.0000	U	UG/KG
040MZ12901	4,4'-DDT	0.9900	UJ	UG/KG
040MZ13701	4,4'-DDT	0.9800	U	UG/KG
040MZ20601	4,4'-DDT	0.9800	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
40MZ22701	4,4'-DDT	0.9800		UG/KG
041M641001	4,4'-DDT	0.9700	U	UG/KG
041M641601	4,4'-DDT	0.9700	U	UG/KG
040MZ24701	4,4'-DDT	0.9400	U	UG/KG
041M030701	4,4'-DDT	0.9400	J	UG/KG
041M641301	4,4'-DDT	0.9200	UJ	UG/KG
041MW20301	4,4'-DDT	0.9100	U	UG/KG
040MZ21701	4,4'-DDT	0.8900	J	UG/KG
040MZ11901	4,4'-DDT	0.8800	UJ	UG/KG
040MZ11401	4,4'-DDT	0.8400	UJ	UG/KG
040MZ24601	4,4'-DDT	0.8400	J	UG/KG
040MZ22801	4,4'-DDT	0.8100	U	UG/KG
041M5A0101	4,4'-DDT	0.7800	J	UG/KG
041M63A401	4,4'-DDT	0.7800	J	UG/KG
040MZ13001	4,4'-DDT	0.7600	U	UG/KG
040MZ23301	4,4'-DDT	0.7500	J	UG/KG
041M060901	4,4'-DDT	0.7400		UG/KG
041M640501	4,4'-DDT	0.7400	J	UG/KG
040MZ40401	4,4'-DDT	0.7300	UJ	UG/KG
041M5B0201	4,4'-DDT	0.7300	U	UG/KG
040MZ12001	4,4'-DDT	0.7000	UR	UG/KG
040MZ30201	4,4'-DDT	0.6700	UJ	UG/KG
040MZ21401	4,4'-DDT	0.6600	UJ	UG/KG
041M640801	4,4'-DDT	0.6600	J	UG/KG
040MZ23101	4,4'-DDT	0.6300	J	UG/KG
'0MZ11601	4,4'-DDT	0.6200	UJ	UG/KG
041M5A0301	4,4'-DDT	0.6100	UJ	UG/KG
041M641501	4,4'-DDT	0.6000	J	UG/KG
041M150401	4,4'-DDT	0.5900	U	UG/KG
041M641101	4,4'-DDT	0.5900	U	UG/KG
040MZ32101	4,4'-DDT	0.5800	J	UG/KG
041M10A201	4,4'-DDT	0.5300	J	UG/KG
041M250301	4,4'-DDT	0.5300	U	UG/KG
040MZ11501	4,4'-DDT	0.5100	UR	UG/KG
040MZ22501	4,4'-DDT	0.4900	J	UG/KG
040MZ21601	4,4'-DDT	0.4800	J	UG/KG
041M030301	4,4'-DDT	0.4800	J	UG/KG
040MZ21501	4,4'-DDT	0.4700	UJ	UG/KG
040MZ30701	4,4'-DDT	0.4700	J	UG/KG
040MZ32301	4,4'-DDT	0.4600	U	UG/KG
041M52E201	4,4'-DDT	0.4500	U	UG/KG
041M52D101	4,4'-DDT	0.4300	U	UG/KG
041M330201	4,4'-DDT	0.4200	U	UG/KG
041M270101	4,4'-DDT	0.4100	UJ	UG/KG
041M330101	4,4'-DDT	0.3900	UJ	UG/KG
040MZ30801	4,4'-DDT	0.3600	J	UG/KG
040MZ41501	4,4'-DDT	0.3600		UG/KG
041M63B101	4,4'-DDT	0.3600	UR	UG/KG
041M060201	4,4'-DDT	0.3500	J	UG/KG
041M19B101	4,4'-DDT	0.3400	J	UG/KG
041M160201	4,4'-DDT	0.3300	U	UG/KG
0MZ40301	4,4'-DDT	0.3200	J	UG/KG
041M030401	4,4'-DDT	0.3200	J	UG/KG
041M120201	4,4'-DDT	0.3200	UJ	UG/KG
041M5A0201	4,4'-DDT	0.3200	UJ	UG/KG
040MZ40801	4,4'-DDT	0.3100	J	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
41M641701	4,4'-DDT	0.3100	U	UG/KG
040MZ31301	4,4'-DDT	0.2900	J	UG/KG
041M63A201	4,4'-DDT	0.2900	J	UG/KG
041MW20201	4,4'-DDT	0.2800	J	UG/KG
040MZ20901	4,4'-DDT	0.2700	J	UG/KG
040MZ22201	4,4'-DDT	0.2600	UJ	UG/KG
040MZ31601	4,4'-DDT	0.2600	J	UG/KG
041M720101	4,4'-DDT	0.2600	J	UG/KG
040MZ23601	4,4'-DDT	0.2500	U	UG/KG
040MZ32001	4,4'-DDT	0.2500	UJ	UG/KG
041M10A301	4,4'-DDT	0.2500	J	UG/KG
040MZ41301	4,4'-DDT	0.2400	UJ	UG/KG
041M490301	4,4'-DDT	0.2400	U	UG/KG
041M52E301	4,4'-DDT	0.2400	U	UG/KG
041M642201	4,4'-DDT	0.2400	U	UG/KG
040MZ21101	4,4'-DDT	0.2300	U	UG/KG
040MZ22001	4,4'-DDT	0.2300	J	UG/KG
040MZ23501	4,4'-DDT	0.2300	U	UG/KG
040MZ30901	4,4'-DDT	0.2300	J	UG/KG
040MZ31001	4,4'-DDT	0.2300	J	UG/KG
041M010101	4,4'-DDT	0.2300	UJ	UG/KG
041M170101	4,4'-DDT	0.2300	U	UG/KG
041M580101	4,4'-DDT	0.2300	U	UG/KG
041M5A0601	4,4'-DDT	0.2300	U	UG/KG
041M63B201	4,4'-DDT	0.2300	U	UG/KG
41M640701	4,4'-DDT	0.2300	U	UG/KG
041M642401	4,4'-DDT	0.2300	UJ	UG/KG
040MZ11701	4,4'-DDT	0.2200	UJ	UG/KG
040MZ12601	4,4'-DDT	0.2200	UJ	UG/KG
040MZ20301	4,4'-DDT	0.2200	UJ	UG/KG
040MZ20701	4,4'-DDT	0.2200	U	UG/KG
040MZ23401	4,4'-DDT	0.2200	U	UG/KG
040MZ23801	4,4'-DDT	0.2200	U	UG/KG
040MZ24101	4,4'-DDT	0.2200	U	UG/KG
040MZ24801	4,4'-DDT	0.2200	U	UG/KG
040MZ24901	4,4'-DDT	0.2200	U	UG/KG
040MZ25101	4,4'-DDT	0.2200	U	UG/KG
040MZ25501	4,4'-DDT	0.2200	U	UG/KG
040MZ25701	4,4'-DDT	0.2200	U	UG/KG
040MZ31401	4,4'-DDT	0.2200	U	UG/KG
040MZ31501	4,4'-DDT	0.2200	U	UG/KG
040MZ31801	4,4'-DDT	0.2200	U	UG/KG
040MZ32201	4,4'-DDT	0.2200	UJ	UG/KG
040MZ32401	4,4'-DDT	0.2200	UJ	UG/KG
040MZ40701	4,4'-DDT	0.2200	UR	UG/KG
040MZ41101	4,4'-DDT	0.2200	U	UG/KG
040MZ41201	4,4'-DDT	0.2200	U	UG/KG
040MZ41401	4,4'-DDT	0.2200	UJ	UG/KG
040MZ41601	4,4'-DDT	0.2200	U	UG/KG
040MZ41701	4,4'-DDT	0.2200	UJ	UG/KG
40MZ42101	4,4'-DDT	0.2200	U	UG/KG
1M061001	4,4'-DDT	0.2200		UG/KG
041M330301	4,4'-DDT	0.2200	U	UG/KG
041M63B401	4,4'-DDT	0.2200	U	UG/KG
041M641801	4,4'-DDT	0.2200	U	UG/KG
041M642301	4,4'-DDT	0.2200	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE_ID	PARAM	RESULT	VQUAL	CONC_UNITS
041M790301	4,4'-DDT	0.2200	U	UG/KG
040MZ11801	4,4'-DDT	0.2100	UJ	UG/KG
040MZ12101	4,4'-DDT	0.2100	UJ	UG/KG
040MZ12401	4,4'-DDT	0.2100	UJ	UG/KG
040MZ12501	4,4'-DDT	0.2100	UJ	UG/KG
040MZ12701	4,4'-DDT	0.2100	UJ	UG/KG
040MZ12801	4,4'-DDT	0.2100	UJ	UG/KG
040MZ13101	4,4'-DDT	0.2100	U	UG/KG
040MZ13201	4,4'-DDT	0.2100	U	UG/KG
040MZ13301	4,4'-DDT	0.2100	U	UG/KG
040MZ13501	4,4'-DDT	0.2100	U	UG/KG
040MZ13801	4,4'-DDT	0.2100	U	UG/KG
040MZ20101	4,4'-DDT	0.2100	UJ	UG/KG
040MZ20201	4,4'-DDT	0.2100	UJ	UG/KG
040MZ20401	4,4'-DDT	0.2100	UJ	UG/KG
040MZ20801	4,4'-DDT	0.2100	J	UG/KG
040MZ21001	4,4'-DDT	0.2100	U	UG/KG
040MZ21201	4,4'-DDT	0.2100	J	UG/KG
040MZ21301	4,4'-DDT	0.2100	UJ	UG/KG
040MZ22901	4,4'-DDT	0.2100	U	UG/KG
040MZ23001	4,4'-DDT	0.2100	U	UG/KG
040MZ23201	4,4'-DDT	0.2100	U	UG/KG
040MZ23701	4,4'-DDT	0.2100	U	UG/KG
040MZ23901	4,4'-DDT	0.2100	U	UG/KG
040MZ24001	4,4'-DDT	0.2100	U	UG/KG
40MZ24201	4,4'-DDT	0.2100	UR	UG/KG
040MZ24301	4,4'-DDT	0.2100	U	UG/KG
040MZ25001	4,4'-DDT	0.2100	U	UG/KG
040MZ25201	4,4'-DDT	0.2100	U	UG/KG
040MZ25301	4,4'-DDT	0.2100	U	UG/KG
040MZ25401	4,4'-DDT	0.2100	U	UG/KG
040MZ25601	4,4'-DDT	0.2100	U	UG/KG
040MZ30301	4,4'-DDT	0.2100	UJ	UG/KG
040MZ30501	4,4'-DDT	0.2100	U	UG/KG
040MZ30601	4,4'-DDT	0.2100	U	UG/KG
040MZ31101	4,4'-DDT	0.2100	UJ	UG/KG
040MZ31201	4,4'-DDT	0.2100	UJ	UG/KG
040MZ40201	4,4'-DDT	0.2100	UR	UG/KG
040MZ40601	4,4'-DDT	0.2100	UJ	UG/KG
040MZ40901	4,4'-DDT	0.2100	UJ	UG/KG
040MZ41001	4,4'-DDT	0.2100	U	UG/KG
040MZ41801	4,4'-DDT	0.2100	U	UG/KG
040MZ41901	4,4'-DDT	0.2100	UJ	UG/KG
040MZ42001	4,4'-DDT	0.2100	UJ	UG/KG
040MZ42201	4,4'-DDT	0.2100	U	UG/KG
040MZ42301	4,4'-DDT	0.2100	U	UG/KG
040MZ42401	4,4'-DDT	0.2100	U	UG/KG
041M04D501	4,4'-DDT	0.2100	U	UG/KG
041M10A101	4,4'-DDT	0.2100	UJ	UG/KG
041M120101	4,4'-DDT	0.2100	UJ	UG/KG
041M160101	4,4'-DDT	0.2100	U	UG/KG
41M170201	4,4'-DDT	0.2100	U	UG/KG
041M19A201	4,4'-DDT	0.2100	U	UG/KG
041M5B0101	4,4'-DDT	0.2100	U	UG/KG
041M63A501	4,4'-DDT	0.2100	U	UG/KG
041M63B301	4,4'-DDT	0.2100	U	UG/KG

Table 1
DDT and its Metabolites in Sites 40 and 41 Sediments
NAS Pensacola

SAMPLE ID	PARAM	RESULT	VQUAL	CONC UNITS
041M640901	4,4'-DDT	0.2100	U	UG/KG
041M641201	4,4'-DDT	0.2100	U	UG/KG
041M642001	4,4'-DDT	0.2100	U	UG/KG
041M642101	4,4'-DDT	0.2100	U	UG/KG
041M720201	4,4'-DDT	0.2100	UJ	UG/KG
041M061101	4,4'-DDT	0.2000	U	UG/KG
041M5A0701	4,4'-DDT	0.2000	U	UG/KG
041M63A101	4,4'-DDT	0.2000	U	UG/KG
040MZ12301	4,4'-DDT	0.1900	UJ	UG/KG
041M170301	4,4'-DDT	0.1900	U	UG/KG
040MZ24501	4,4'-DDT	0.1800	U	UG/KG

Notes:

U	Undetected — The analyte was not detected.
J	Estimated Value — One or more QC parameters were outside control limits.
NJ	Presumptive Identification — The analyte is is presumptively identified at an estimated concentration.
UJ	Undetected and Estimated — The analyte was not detected. The quantitation limit is estimated.
D	Diluted Result — The result was obtained from a diluted sample.
R/UR	Unusable Data — One or more QC parameters grossly exceeded control limits.
UG/KG	Micrograms per kilogram or parts per billion (ppb)

See Section 8 of this report for a full description of the data qualifiers.

Summary Tables for the Blue-coded and Reference Wetlands from the Site 41 Remedial Investigation Report (EnSafe *in press*)

Table 5-32
Detected Concentrations in Wetland 13 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	1/1	1590	1590
Antimony (Sb)	1/1	0.15	0.15
Arsenic (As)	1/1	0.14	0.14
Barium (Ba)	1/1	0.88	0.88
Beryllium (Be)	1/1	0.11	0.11
Calcium (Ca)	1/1	327	327
Chromium (Cr)	1/1	4	4
Copper (Cu)	1/1	1.2	1.2
Iron (Fe)	1/1	229	229
Lead (Pb)	1/1	9.2	9.2
Magnesium (Mg)	1/1	187	187
Manganese (Mn)	1/1	0.85	0.85
Potassium (K)	1/1	50.6	50.6
Selenium (Se)	1/1	0.41	0.41
Sodium (Na)	1/1	290	290
Vanadium (V)	1/1	7.5	7.5
Zinc (Zn)	1/1	1.7	1.7
Pesticides and PCBs (μg/kg)			
4,4'-DDE	1/1	1.9	1.9
4,4'-DDT	1/1	1.4	1.4
Dieldrin	1/1	0.3	0.3
SVOCs (μg/kg)			
Di-n-butylphthalate	1/1	26	26
Fluoranthene	1/1	29	29
bis(2-Ethylhexyl)phthalate (BEHP)	1/1	31	31

Table 5-34
Detected Concentrations in Wetland 17 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	3/3	438 - 842	598.67
Arsenic (As)	3/3	0.27 - 0.58	0.40
Barium (Ba)	3/3	0.48 - 0.73	0.57
Calcium (Ca)	3/3	57.5 - 129	87.57
Chromium (Cr)	3/3	2.1 - 3.6	2.9
Cobalt (Co)	2/3	0.14 - 0.17	0.155
Copper (Cu)	3/3	0.75 - 1.3	0.97
Iron (Fe)	3/3	467 - 1190	794.67
Lead (Pb)	3/3	2.2 - 3.4	2.6
Magnesium (Mg)	3/3	114 - 320	198
Manganese (Mn)	3/3	0.8 - 2.4	1.63
Potassium (K)	3/3	39.1 - 119	72.67
Sodium (Na)	3/3	2.75 - 1350	712.67
Thallium (Tl)	1/3	0.31	0.31
Vanadium (V)	3/3	1.4 - 2.1	1.7
Zinc (Zn)	3/3	1.8 - 4.2	2.8
Pesticides and PCBs (μg/kg)			
4,4'-DDD	1/3	0.23	0.23
4,4'-DDE	1/3	0.3	0.3
Aroclor-1260	3/3	0.7 - 2.8	1.46
Gamma-BHC (Lindane)	2/3	0.2 - 0.51	0.36
SVOCs (μg/kg)			
bis(2-Ethylhexyl)phthalate (BEHP)	1/3	2300	2300
VOCs (μg/kg)			
Chlorobenzene	1/3	2	2

Table 5-36
Detected Concentrations in Wetland 19 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	3/3	494 - 18900	6790
Arsenic (As)	3/3	0.17 - 15.7	5.57
Barium (Ba)	3/3	0.58 - 30.2	10.51
Beryllium (Be)	1/3	0.48	0.48
Calcium (Ca)	3/3	47.5 - 1720	639.5
Chromium (Cr)	3/3	1.2 - 16.5	6.9
Cobalt (Co)	1/3	3.4	3.4
Copper (Cu)	3/3	0.78 - 10.7	4.36
Iron (Fe)	3/3	545 - 16800	6395
Lead (Pb)	3/3	1.2 - 16.2	7.07
Magnesium (Mg)	3/3	30.1 - 572	290.7
Manganese (Mn)	3/3	1.3 - 169	57.9
Nickel (Ni)	1/3	7	7
Potassium (K)	3/3	17.5 - 463	189.8
Sodium (Na)	3/3	18.6 - 805	320.2
Vanadium (V)	3/3	0.99 - 35.4	12.96
Zinc (Zn)	3/3	1.4 - 30.6	12.27
Pesticides and PCBs (μg/kg)			
4,4'-DDE	2/3	0.55 - 1.2	0.88
4,4'-DDD	1/3	0.71	0.71
4,4'-DDT	1/3	0.34	0.34
Aroclor-1260	2/3	1.1 - 4.2	2.65
delta-BHC	2/3	0.11 - 0.31	0.21
Dieldrin	2/3	0.2 - 0.21	0.21
Endosulfan I	1/3	5.3	5.3
Endrin	1/3	0.27	0.27
gamma-Chlordane	1/3	1.3	1.3
Heptachlor epoxide	2/3	0.22 - 26	13.11
SVOCs (μg/kg)			
Fluoranthene	1/3	28	28
Pyrene	1/3	28	28
VOCs (μg/kg)			
Chloromethane	1/3	2	2

Table 5-38
Detected Concentrations in Wetland 52 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	5/5	667 - 6230	3061.4
Arsenic (As)	1/5	0.31	0.31
Barium (Ba)	5/5	2.2 - 43.3	14.98
Calcium (Ca)	5/5	526 - 3670	1897.2
Chromium (Cr)	5/5	1.2 - 6.7	3.32
Cobalt (Co)	3/5	0.21 - 1.4	0.62
Copper (Cu)	5/5	0.92 - 6.4	2.984
Iron (Fe)	5/5	361 - 2300	1158.6
Lead (Pb)	5/5	2.6 - 17.7	7.36
Magnesium (Mg)	5/5	110 - 1280	613
Manganese (Mn)	5/5	2 - 15.8	9.08
Nickel (Ni)	4/5	0.99 - 5.2	2.35
Potassium (K)	5/5	22.2 - 160	80.46
Selenium (Se)	4/5	0.73 - 10.2	3.69
Sodium (Na)	3/5	61.1 - 169	124.37
Vanadium (V)	5/5	1.1 - 6.6	4.1
Zinc (Zn)	4/5	3.2 - 25.5	11.18
Pesticides and PCBs (μg/kg)			
4,4'-DDD	3/5	0.45 - 6.1	2.35
4,4'-DDE	1/5	7	7
4,4'-DDT	1/5	1.3	1.3
Aldrin	1/5	2.8	2.8
Aroclor-1260	2/5	3.3 - 3.7	3.5
Dieldrin	1/5	9.5	9.5
Endosulfan I	2/5	0.39 - 5.7	3.05
Endosulfan sulfate	1/5	1.2	1.2
Endrin	2/5	1.7 - 2.4	2.05
alpha-BHC	1/5	0.14	0.14
alpha-Chlordane	1/5	0.34	0.34
delta-BHC	1/5	0.61	0.61
gamma-BHC (Lindane)	1/5	0.43	0.43
gamma-Chlordane	1/5	0.91	0.91
SVOCs (μg/kg)			
2-Methylnaphthalene	1/5	50	50
4-Methylphenol (p-Cresol)	2/5	110 - 170	140
Acenaphthene	1/5	77	77
Anthracene	1/5	100	100
Benzo(a)anthracene	2/5	26 - 100	63
Benzo(a)pyrene	1/5	64	64

Table 5-40
Detected Concentrations in Wetland 56 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	1/1	2560	2560
Arsenic (As)	1/1	0.33	0.33
Barium (Ba)	1/1	3.3	3.3
Calcium (Ca)	1/1	682	682
Chromium (Cr)	1/1	3.1	3.1
Cobalt (Co)	1/1	0.3	0.3
Copper (Cu)	1/1	3.1	3.1
Iron (Fe)	1/1	1210	1210
Lead (Pb)	1/1	9.4	9.4
Magnesium (Mg)	1/1	82.1	82.1
Manganese (Mn)	1/1	3.2	3.2
Nickel (Ni)	1/1	1.4	1.4
Potassium (K)	1/1	52	52
Selenium (Se)	1/1	2.4	2.4
Vanadium (V)	1/1	4	4
Zinc (Zn)	1/1	5.9	5.9
Pesticides and PCBs (μg/kg)			
4,4'-DDD	1/1	53	53
4,4'-DDE	1/1	5.3	5.3
4,4'-DDT	1/1	2.8	2.8
Endrin	1/1	0.39	0.39
gamma-BHC (Lindane)	1/1	0.4	0.4
SVOCs (μg/kg)			
Pyrene	1/1	36	36
bis(2-Ethylhexyl)phthalate (BEHP)	1/1	51	51

Table 5-42
Detected Concentrations in Wetland 57 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	1/1	5520	5520
Arsenic (As)	1/1	1.6	1.6
Barium (Ba)	1/1	11.3	11.3
Calcium (Ca)	1/1	2720	2720
Chromium (Cr)	1/1	4.8	4.8
Cobalt (Co)	1/1	0.45	0.45
Copper (Cu)	1/1	4.9	4.9
Iron (Fe)	1/1	3790	3790
Lead (Pb)	1/1	17.7	17.7
Magnesium (Mg)	1/1	214	214
Manganese (Mn)	1/1	15.8	15.8
Mercury (Hg)	1/1	0.14	0.14
Nickel (Ni)	1/1	2	2
Potassium (K)	1/1	117	117
Selenium (Se)	1/1	1.6	1.6
Sodium (Na)	1/1	48.8	48.8
Vanadium (V)	1/1	9.2	9.2
Zinc (Zn)	1/1	14.7	14.7
Pesticides and PCBs (μg/kg)			
4,4'-DDD	1/1	3.3	3.3
4,4'-DDE	1/1	7.2	7.2
4,4'-DDT	1/1	1.2	1.2
Aldrin	1/1	0.2	0.2
Aroclor-1260	1/1	3.7	3.7
beta-BHC	1/1	0.19	0.19
gamma-BHC (Lindane)	1/1	0.4	0.4
SVOCs (μg/kg)			
Benzo(b)fluoranthene	1/1	41	41
Fluoranthene	1/1	68	68
Pyrene	1/1	72	72
VOCs (μg/kg)			
Acetone	1/1	49	49

Table 5-44
Detected Concentrations in Wetland 58 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	1/1	1360	1360
Arsenic (As)	1/1	0.27	0.27
Barium (Ba)	1/1	1.2	1.2
Calcium (Ca)	1/1	230	230
Chromium (Cr)	1/1	1.2	1.2
Copper (Cu)	1/1	1.8	1.8
Iron (Fe)	1/1	548	548
Lead (Pb)	1/1	7.8	7.8
Magnesium (Mg)	1/1	70	70
Manganese (Mn)	1/1	1.2	1.2
Nickel (Ni)	1/1	1.2	1.2
Potassium (K)	1/1	41.2	41.2
Selenium (Se)	1/1	0.41	0.41
Vanadium (V)	1/1	2.5	2.5
Zinc (Zn)	1/1	2.3	2.3
PCBs (μg/kg)			
Aroclor-1260	1/1	0.66	0.66
SVOCs (μg/kg)			
2-Methylnaphthalene	1/1	110	110
Acenaphthene	1/1	110	110
Anthracene	1/1	84	84
Butylbenzylphthalate	1/1	25	25
Carbazole	1/1	40	40
Di-n-butylphthalate	1/1	42	42
Dibenzofuran	1/1	88	88
Fluoranthene	1/1	110	110
Fluorene	1/1	120	120
Naphthalene	1/1	220	220
Phenanthrene	1/1	250	250
Pyrene	1/1	70	70
bis(2-Ethylhexyl)phthalate (BEHP)	1/1	34	34
VOCs (μg/kg)			
Acetone	1/1	520	520

Table 5-46
Detected Concentrations in Wetland 63B Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	4/4	101 - 1960	650
Antimony (Sb)	1/4	0.25	0.25
Arsenic (As)	2/4	0.24 - 0.43	0.34
Barium (Ba)	4/4	0.71 - 4	1.7
Beryllium (Be)	1/4	0.1	0.1
Calcium (Ca)	4/4	191 - 3230	1315.5
Chromium (Cr)	4/4	0.34 - 5.2	1.94
Cobalt (Co)	2/4	0.2 - 0.42	0.31
Copper (Cu)	4/4	0.35 - 4.4	1.69
Iron (Fe)	4/4	112 - 1290	564.75
Lead (Pb)	4/4	0.95 - 13	4.413
Magnesium (Mg)	4/4	33.6 - 410	151.485
Manganese (Mn)	4/4	0.88 - 7.1	3.25
Nickel (Ni)	1/4	0.88	0.88
Potassium (K)	4/4	10.3 - 121	47.4
Selenium (Se)	1/4	0.4	0.4
Sodium (Na)	4/4	28.4 - 129	70.05
Vanadium (V)	4/4	0.35 - 3.9	1.5
Zinc (Zn)	4/4	0.79 - 13	4.5
Pesticides and PCBs (μg/kg)			
4,4'-DDD	2/4	0.23 - 0.34	0.285
4,4'-DDE	3/4	0.27 - 0.37	0.3333
Aroclor-1260	4/4	1.2 - 6.3	3
Endosulfan sulfate	1/4	0.98	0.98
SVOCs (μg/kg)			
2-Methylnaphthalene	1/4	24	24
Acenaphthene	1/4	39	39
Anthracene	1/4	44	44
Benzo(a)pyrene	1/4	39	39
Benzo(b)fluoranthene	1/4	56	56
Butylbenzylphthalate	1/4	29	29
Di-n-butylphthalate	1/4	27	27
Dibenzofuran	1/4	34	34
Fluoranthene	3/4	41 - 86	62
Fluorene	1/4	47	47
Naphthalene	1/4	23	23
Phenanthrene	1/4	120	120
Pyrene	3/4	41 - 65	49
bis(2-Ethylhexyl)phthalate (BEHP)	3/4	33 - 97	57.33

Table 5-48
Detected Concentrations in Wetland 72 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	2/2	736-2450	1593
Arsenic (As)	2/2	0.28-0.86	0.57
Barium (Ba)	2/2	1.3-2.3	1.8
Cadmium (Cd)	½	0.27	0.27
Calcium (Ca)	2/2	23.2-43.1	33.15
Chromium (Cr)	2/2	0.85-3.2	2.025
Copper (Cu)	2/2	1.2-38.9	20.05
Iron (Fe)	2/2	397-1510	953.5
Lead (Pb)	2/2	1.8-17.5	9.65
Magnesium (Mg)	2/2	20.3-50	35.15
Manganese (Mn)	2/2	1.3-10.7	6
Nickel (Ni)	½	1.4	1.4
Potassium (K)	2/2	8.4-29.7	19.05
Selenium (Se)	½	0.26	0.26
Sodium (Na)	2/2	3-8.7	5.85
Vanadium (V)	2/2	1.2-3.8	2.5
Zinc (Zn)	2/2	3.3-10.7	7
Pesticides and PCBs (μg/kg)			
4,4'-DDD	½	0.2	0.2
4,4'-DDE	½	0.24	0.24
4,4'-DDT	½	0.26	0.26
SVOCs (μg/kg)			
Anthracene	½	41	41
Benzo(a)anthracene	½	47	47
Benzo(a)pyrene	½	43	43
Benzo(b)fluoranthene	½	90	90
Benzo(g,h,i)perylene	½	58	58
Benzo(k)fluoranthene	½	27	27
Chrysene	½	47	47
Di-n-butylphthalate	½	43	43
Fluoranthene	2/2	30-120	75
Indeno(1,2,3-cd)pyrene	½	47	47
Phenanthrene	½	49	49
Pyrene	2/2	38-98	68
VOCs (μg/kg)			
Acetone	½	32	32
Methylene chloride	½	740	740

Table 5-50
Detected Concentrations in Wetland 79 Sediments
NAS Pensacola Site 41, Phase II

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	2/2	723 - 13600	7161.5
Arsenic (As)	½	1.9	1.9
Barium (Ba)	2/2	2.9 - 30.6	16.75
Beryllium (Be)	½	0.17	0.17
Calcium (Ca)	½	2140	2140
Chromium (Cr)	2/2	0.87 - 15	7.935
Cobalt (Co)	½	1	1
Copper (Cu)	2/2	0.64 - 6	3.32
Iron (Fe)	2/2	756 - 9520	5138
Lead (Pb)	2/2	2 - 42.7	22.35
Magnesium (Mg)	2/2	40 - 561	300.5
Manganese (Mn)	2/2	5.7 - 95.4	50.55
Nickel (Ni)	½	4.4	4.4
Potassium (K)	2/2	32.6 - 374	203.3
Selenium (Se)	½	0.78	0.78
Sodium (Na)	½	217	217
Thallium (Tl)	½	1.3	1.3
Vanadium (V)	2/2	1.5 - 20.5	11
Zinc (Zn)	½	44.7	44.7
Pesticides and PCBs (μg/kg)			
4,4'-DDD	½	14	14
4,4'-DDE	½	1.3	1.3
4,4'-DDT	½	3.5	3.5
Dieldrin	½	3.5	3.5
Endrin	½	6.2	6.2
Endrin aldehyde	½	0.74	0.74
Heptachlor	½	3	3
Heptachlor epoxide	½	1.3	1.3
alpha-Chlordane	½	38	38
delta-BHC	½	0.29	0.29
gamma-Chlordane	½	45	45
Semivolatiles (μg/kg)			
4-Methylphenol (p-Cresol)	½	170	170
Benzo(a)anthracene	½	53	53
Benzo(a)pyrene	½	73	73
Benzo(b)fluoranthene	½	100	100
Benzo(g,h,i)perylene	½	83	83
Benzo(k)fluoranthene	½	50	50
Butylbenzylphthalate	2/2	22 - 57	39.5

Table 5-51
Detected Concentrations in Wetland W2 Sediments
NAS Pensacola Site 41, Phase II

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	3/3	607-6700	3615.67
Arsenic (As)	2/3	0.5-14.1	7.3
Barium (Ba)	3/3	1-11.5	6.27
Beryllium (Be)	2/3	0.08-0.35	0.215
Cadmium (Cd)	1/3	0.18	0.18
Calcium (Ca)	3/3	285-1250	623
Chromium (Cr)	3/3	0.76-10.2	5.45
Cobalt (Co)	2/3	0.24-3.3	1.77
Copper (Cu)	3/3	1.3-4.7	3.07
Iron (Fe)	3/3	209-5130	2049
Lead (Pb)	3/3	2.3-17.1	9.5
Magnesium (Mg)	3/3	93.5-1660	636.17
Manganese (Mn)	3/3	1.2-6	3.4
Nickel (Ni)	3/3	0.8-9.2	3.77
Potassium (K)	3/3	32-503	207.67
Selenium (Se)	3/3	0.46-1.6	1.12
Sodium (Na)	3/3	254-2430	1342
Vanadium (V)	3/3	1.2-27	11.33
Zinc (Zn)	2/3	4.9-10.4	7.67
Pesticides and PCBs (μg/kg)			
4,4'-DDD	2/3	5.8-8.6	3.33
4,4'-DDE	2/3	0.38-2.4	1.39
4,4'-DDT	2/3	0.28-3.5	1.89
Aldrin	1/3	0.23	0.23
Aroclor-1260	3/3	1.7-5.6	3.7
Dieldrin	1/3	0.34	0.34
Endrin	2/3	0.77-2.5	1.64
alpha-Chlordane	2/3	0.14-0.22	0.18
delta-BHC	1/3	0.63	0.63
Semivolatiles (μg/kg)			
Benzo(b)fluoranthene	1/3	28	28
Butylbenzylphthalate	2/3	21	26.5
Chrysene	1/3	40	40
Di-n-butylphthalate	2/3	33	36
Diethylphthalate	1/3	220	220
Fluoranthene	1/3	47	47
Indeno(1,2,3-cd)pyrene	1/3	26	26
Pyrene	1/3	82	82
bis(2-Ethylhexyl)phthalate (BEHP)	2/3	55	257.5
Volatiles (μg/kg)			
Acetone	1/3	210	210

Table 5-53
Detected Concentrations in Wetland 25 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	3/3	4180 - 12500	8486.67
Arsenic (As)	3/3	1.1 - 8.8	5.97
Barium (Ba)	3/3	2.3 - 8.6	5.5
Beryllium (Be)	2/3	0.47 - 0.59	0.53
Cadmium (Cd)	1/3	1.3	1.3
Calcium (Ca)	3/3	1770 - 17900	7790
Chromium (Cr)	3/3	7.1 - 59.1	33.07
Cobalt (Co)	3/3	1.6 - 2	1.83
Copper (Cu)	3/3	6.1 - 19.6	12.63
Iron (Fe)	3/3	1780 - 18500	11260
Lead (Pb)	3/3	21.4 - 58.7	37.4
Magnesium (Mg)	3/3	1420 - 6660	4523.33
Manganese (Mn)	3/3	2.6 - 66	33.1
Nickel (Ni)	2/3	6.5 - 6.9	6.7
Potassium (K)	3/3	172 - 2060	1220.67
Selenium (Se)	1/3	1.9	1.9
Sodium (Na)	3/3	640 - 24700	15913.33
Vanadium (V)	3/3	10.1 - 33.7	22.2
Zinc (Zn)	3/3	7.3 - 57.1	28.7
Pesticides and PCBs (μg/kg)			
4,4'-DDE	2/3	1.3 - 2	1.65
4,4'-DDT	1/3	1.8	1.8
Aldrin	2/3	0.28 - 1.4	0.84
Aroclor-1254	3/3	4.3 - 11	10.77
Endrin	2/3	0.84 - 1.9	1.37
alpha-BHC	1/3	0.67	0.67
alpha-Chlordane	2/3	0.56 - 0.88	0.72
gamma-BHC (Lindane)	1/3	1.3	1.3
SVOCs (μg/kg)			
Benzo(b)fluoranthene	1/3	59	59
VOCs (μg/kg)			
Acetone	1/3	940	940
Tetrachloroethene	1/3	23	23

Table 5-55
Detected Concentrations in Wetland 27 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum	2/2	2900 - 3670	3285
Arsenic	2/2	0.98 - 1.1	1.04
Barium	2/2	2.3 - 3.1	2.7
Calcium	2/2	941 - 1260	1100.5
Chromium	2/2	11.1 - 12.4	11.75
Cobalt	2/2	0.46 - 0.51	0.485
Copper	2/2	3.4 - 4.2	3.8
Iron	2/2	1380 - 1440	1410
Lead	2/2	13.2 - 13.5	13.35
Magnesium	2/2	1200 - 2070	1635
Manganese	2/2	5.1	5.1
Nickel	2/2	2-3	2.5
Potassium	2/2	406 - 689	547.5
Selenium	½	0.39	0.39
Sodium	2/2	3170 - 8610	5890
Vanadium	2/2	5.2 - 6.9	6.05
Zinc	2/2	4.7 - 8.2	6.45
Pesticides and PCBs (μg/kg)			
4,4'-DDE	2/2	1.8 - 2.7	2.25
4,4'-DDT	½	1.9	1.9
alpha-BHC	2/2	0.49 - 1.3	0.895
alpha-Chlordane	½	0.49	0.49
SVOCs (μg/kg)			
Diethylphthalate	½	390	390

Table 5-57
Detected Concentrations in Wetland 32 Sediments
NAS Pensacola Site 41, Phase IIA

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	3/3	3670 - 7780	5123.33
Barium (Ba)	3/3	6.7 - 9.7	8.50
Beryllium (Be)	1/3	0.51 - 0.51	0.51
Calcium (Ca)	3/3	2150 - 4320	2966.67
Chromium (Cr)	3/3	5.7 - 7.2	6.30
Copper (Cu)	3/3	5.7 - 9.2	6.87
Iron (Fe)	3/3	471 - 832	651.67
Lead (Pb)	3/3	41.3 - 52.3	45.07
Magnesium (Mg)	3/3	2230 - 4280	2990.00
Manganese (Mn)	3/3	3.5 - 5.6	4.87
Mercury (Hg)	1/3	0.51	0.51
Potassium (K)	3/3	306 - 485	408.00
Selenium (Se)	2/3	2.4 - 3.6	3.00
Sodium (Na)	3/3	2580 - 3680	3080.00
Vanadium (V)	3/3	5.2 - 7.6	6.47
Zinc (Zn)	3/3	6.8 - 9.4	8.03
Pesticides and PCBs (μg/kg)			
4,4'-DDD	2/3	3.3 - 24	13.65
4,4'-DDE	2/3	2.2 - 37	19.60
4,4'-DDT	1/3	13	13.00
Aroclor-1254	1/3	210	210.00
Dieldrin	1/3	13	13.00
Endrin	1/3	15	15.00
Endrin aldehyde	1/3	4.2	4.20
alpha-BHC	2/3	1.4 - 5.2	3.30
alpha-Chlordane	1/3	12	12.00
gamma-BHC (Lindane)	1/3	1.4	1.40
gamma-Chlordane	1/3	5.9	5.90
Semivolatiles (μg/kg)			
Pyrene	1/3	170	170.00
Volatiles (μg/kg)			
2-Butanone (MEK)	1/3	70	70.00
Acetone	2/3	930 -1900	1415.00
Chlorobenzene	1/3	14	14.00

Table 5-59
Detected Concentrations in Wetland 33 Sediments
NAS Pensacola Site 41, Phase II

Parameter	Frequency of Detection	Range of Detected Concentrations	Average Detected Concentration
Inorganics (mg/kg)			
Aluminum (Al)	3/3	135 - 2460	1371.67
Arsenic (As)	2/3	1.4 - 1.8	1.6
Barium (Ba)	3/3	0.3 - 2.6	1.4
Calcium (Ca)	3/3	116 - 1470	915.33
Chromium (Cr)	2/3	3.5 - 5.5	4.5
Chromium (Cr)	2/3	3.5	4.5
Cobalt (Co)	1/3	0.99	0.99
Copper (Cu)	3/3	0.49 - 8.1	4.49
Iron (Fe)	3/3	151 - 2120	1297
Lead (Pb)	3/3	0.69 - 13.3	8.63
Magnesium (Mg)	3/3	189 - 2420	1363
Manganese (Mn)	3/3	0.62 - 8.2	4.77
Nickel (Ni)	1/3	3	3
Potassium (K)	3/3	70.3 - 698	384.77
Selenium (Se)	1/3	0.66	0.66
Sodium (Na)	3/3	979 - 10100	5606.33
Vanadium (V)	3/3	0.38 - 4.7	3.13
Zinc (Zn)	2/3	8.3 - 14	11.15
Pesticides and PCBs (μg/kg)			
4,4'-DDE	1/3	3.1	3.1
Aldrin	2/3	0.18 - 0.44	0.31
Aroclor-1254	2/3	2.4 - 12	7.2
alpha-BHC	2/3	0.3 - 0.39	0.345
alpha-Chlordane	2/3	0.35 - 0.7	0.525
delta-BHC	2/3	0.13 - 0.57	0.35
Semivolatiles (μg/kg)			
Anthracene	1/3	700	700
Benzo(a)anthracene	1/3	1800	1800
Benzo(a)pyrene	1/3	1100	1100
Benzo(b)fluoranthene	1/3	1100	1100
Benzo(g,h,i)perylene	1/3	740	740
Benzo(k)fluoranthene	1/3	710	710
Carbazole	1/3	220	220
Chrysene	1/3	1500	1500
Di-n-butylphthalate	1/3	32	32
Dibenzofuran	1/3	70	70
Fluoranthene	1/3	2700	2700
Fluorene	1/3	230	230
Indeno(1,2,3-cd)pyrene	1/3	740	740

Appendix H

Validation Summary Reports

ENSAFE VALIDATION SUMMARY REPORT

Site Name:	Pensacola Phase III Sampling
CTO and Subtask No.:	0036-00100
Laboratory:	Savannah Laboratories
Sample Delivery Group:	SDG PEN15 Addendum
Method:	Semivolatile Organic Compounds - SW846 Method 8270 Appendix IX Metals - SW-846 Method 6010
Validation Guidance	USEPA Contract Laboratory Program National Functional Organic and Inorganic Data Review, February 1994
Matrix:	Tissue

Data were validated by EnSafe Inc. Ten tissue samples collected between September 2 and 8, 1997 were analyzed for semivolatile organic compounds (SVOCs) and Appendix IX metals by Savannah Laboratories of Savannah, Georgia, and were reported in sample delivery group (SDG) PEN15 Addendum. The data were reported and validated using USEPA definitive data without raw data (formerly USEPA Level III). All samples and analyses discussed in this summary report are listed in Table 1.

Table 1
Sample Summary

Sample ID	Appendix IX Metal	SVOC
041J400601	X	x
041J18B101	x	x
041J330201	x	x
041J640101	x	x
041J640601	x	x
041J750101	x	x
041J400602		x
041J330101		x
040J400601	X	X
040J400602	X	

ORGANIC VALIDATION RESULTS

All samples were received by the laboratory intact and with the proper documentation on September 18, 1997 with intact chains of custody and proper documentation. The following subsections summarize the data validation results. Tentatively identified compounds (TICs) were not reported and are not discussed in this report.

Semivolatile Organic Compound Fraction

1. All gas chromatography/mass spectroscopy tuning ion abundances and frequencies, initial calibration relative response factors (RRFs) and percent relative standard deviations, continuing calibration RRFs, surrogate recoveries, and internal standard retention times were within acceptable limits. There were no target analytes detected in the method blank. There are no field duplicates or field blanks associated with this SDG.

2. Bis(2-chloroethyl ether) had percent differences (%Ds) greater than the control limit of ≤25% for the calibration standards run 09/26/97 22:44 (25.4%) and 09/29/97 08:02. (26.5%) Nondetects of this compound in samples 041J18B101, 041J640101, 041J330201, 041J640601, and 041J750101 were qualified as estimated, "UJ."

3. The internal standard perylene-d12 exceeded the lower area limits for samples 041J18B101, 041J330201, 041J640101, and 041J750101. Nondetects of di-n-butylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated, "UJ."

   The internal standard chrysene-d12 exceeded the lower area limits for sample 041J750101. Nondetects of pyrene, butylbenzylphthalate, 3,3'dichlorobenzidine, benzo(a)anthracene, chrysene, and bis(2-ethylhexyl)phthalate were qualified as estimated "UJ."

INORGANIC VALIDATION RESULTS

Metals Fraction

1. All holding times, initial and continuing calibration recoveries, interference check sample recoveries, spike sample recoveries, laboratory duplicate relative percent differences, and laboratory control sample recoveries were within acceptable criteria. There were no field duplicates or field blanks associated with this SDG.

2. Selenium, arsenic, cobalt, silver, and thallium were detected in the preparation blank. Qualifiers were added to the data as outlined in Table 2.

Table 2
Laboratory Blank Contamination

Analyte	Samples Affected	Conc'n Found (mg/kg)	Qualifier Added
selenium	040J400601, 041J18B101, 041J330101, 041J330201, 041J640101, 041J640601, 041J750101	0.230	U
arsenic	040J400601, 040J400602, 041J18B101, 041J330101, 041J330201, 041J640101, 041J640601, 041J750101	-0.376	J(+),UJ (ND)
cobalt	040J400601, 040J400602, 041J18B101, 041J330101, 041J330201, 041J640101, 041J640601, 041J750101	-0.176	J(+),UJ (ND)
silver	040J400601, 040J400602, 041J18B101, 041J330101, 041J330201, 041J640101, 041J640601, 041J750101	-0.242	UJ (ND)
thallium	040J400601, 040J400602, 041J18B101, 041J330101, 041J330201, 041J640101, 041J640601, 041J750101	-0.798	UJ (ND)

NOTES:
J(+),UJ (ND) = Detects and nondetects qualified as estimated
UJ (ND) = There were no detects for this compound, only nondetects were qualified as estimated.

3. Copper, iron, and manganese exceeded the serial dilution %D control limit of 10%. Detections of these elements in all samples were qualified as estimated, "J." Nondetects were accepted without qualification.

4. Sample detections between the contract required detection limit and the instrument detection limit and flagged as "B" by the laboratory, were qualified as estimated "J" by the validator to indicate the sample detection was an estimated value.

PENSACOLA, SITE 41
PENSACOLA, SITE 41, PHASE III

METAL

	SAMPLE ID ------->	041-J-18B1-01		041-J-3301-01		041-J-3302-01		041-J-6401-01		041-J-6406-01		041-J-7501-01	
	ORIGINAL ID ----->	041J18B101		041J330101		041J330201		041J640101		041J640601		041J750101	
	LAB SAMPLE ID --->	S775281*3		S775281*7		S775281*6		S775281*4		S775281*5		S775281*8	
	ID FROM REPORT -->	041J18B101		041J330101		041J330201		041J640101		041J640601		041J750101	
	SAMPLE DATE ----->	09/04/97		09/05/97		09/02/97		09/08/97		09/04/97		09/05/97	
	DATE EXTRACTED -->	09/24/97		09/24/97		09/24/97		09/24/97		09/24/97		09/24/97	
	DATE ANALYZED --->	09/26/97		09/26/97		09/26/97		09/26/97		09/26/97		09/26/97	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL
7439-92-1	Lead	0.4	U	0.43	J	0.47	J	1.9		2.5		0.4	J
7429-90-5	Aluminum	5.9	J	8.1	J	33.6		16.9		17.1		18.4	
7440-36-0	Antimony	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U	0.98	U
7440-38-2	Arsenic	0.28	UJ	0.4	J	0.72	J	0.44	J	0.39	J	0.28	UJ
7440-47-3	Chromium	0.45		0.42		0.69		0.69		1.1		0.41	
7440-48-4	Cobalt	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ
7440-50-8	Copper	2.3	J	1.1	J	1.3	J	1.2	J	2.	J	0.74	J
7439-89-6	Iron	40.2	J	20.7	J	42.1	J	34.9	J	51.8	J	45.3	J
7439-96-5	Manganese	3.1	J	15.7	J	21.6	J	4.	J	4.9	J	7.	J
7440-02-0	Nickel	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U
7782-49-2	Selenium	1.1	U	0.87	U	1.	U	0.81	U	0.91	U	0.87	U
7440-22-4	Silver	0.06	UJ	0.06	UJ	0.06	UJ	0.06	UJ	0.06	UJ	0.06	UJ
7440-28-0	Thallium	0.39	UJ	0.39	UJ	0.39	UJ	0.39	UJ	0.39	UJ	0.39	UJ
7440-62-2	Vanadium	0.19	U	0.54	J	1.1		0.28	J	0.25	J	0.19	U
7440-66-6	Zinc	33.9		35.4		48.7		33.2		30.1		97.2	
7440-39-3	Barium	NR		NR		NR		NR		NR		NR	
7440-41-7	Beryllium	NR		NR		NR		NR		NR		NR	
7440-43-9	Cadmium	NR		NR		NR		NR		NR		NR	
7440-70-2	Calcium	NR		NR		NR		NR		NR		NR	
57-12-5	Cyanide (CN)	NR		NR		NR		NR		NR		NR	
7439-95-4	Magnesium	NR		NR		NR		NR		NR		NR	
7439-97-6	Mercury	NR		NR		NR		NR		NR		NR	
7440-09-7	Potassium	NR		NR		NR		NR		NR		NR	
7440-23-5	Sodium	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

PENSACOLA, SITE 41
PENSACOLA, SITE 41, PHASE III

PEST

SAMPLE ID ------->		041-J-18B1-01		041-J-3301-01		041-J-3302-01		041-J-6401-01		041-J-6406-01		041-J-7501-01	
ORIGINAL ID ----->		041J18B101		041J330101		041J330201		041J640101		041J640601		041J750101	
LAB SAMPLE ID --->		S775281*3		S775281*7		S775281*6		S775281*4		S775281*5		S775281*8	
ID FROM REPORT -->		041J18B101		041J330101		041J330201		041J640101		041J640601		041J750101	
SAMPLE DATE ----->		09/04/97		09/05/97		09/02/97		09/08/97		09/04/97		09/05/97	
DATE EXTRACTED -->		09/23/97		09/23/97		09/23/97		09/23/97		09/23/97		09/23/97	
DATE ANALYZED --->		10/03/97		10/02/97		10/02/97		10/02/97		10/03/97		10/03/97	
MATRIX ---------->		Soil		Soil		Soil		Soil		Soil		Soil	
UNITS ---------->		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL
319-84-6	alpha-BHC	17.	U	1.8	U	1.7	U	1.7	U	3.4	U	46.	U
319-85-7	beta-BHC	17.	U	1.8	U	1.7	U	1.7	U	3.4	U	46.	U
319-86-8	delta-BHC	17.	U	1.8	U	1.7	U	1.7	U	3.4	U	46.	U
58-89-9	gamma-BHC (Lindane)	17.	U	1.8	U	1.7	U	0.44	J	0.61	J	46.	U
76-44-8	Heptachlor	17.	U	0.72	J	1.7	U	1.7	U	3.4	U	46.	U
309-00-2	Aldrin	17.	U	0.21	U	1.7	U	0.38	J	3.4	U	46.	U
1024-57-3	Heptachlor epoxide	17.	U	1.8	U	1.7	U	1.7	U	0.4	J	46.	U
959-98-8	Endosulfan I	17.	U	0.54	U	1.7	U	0.19	J	1.2	J	90.	U
60-57-1	Dieldrin	33.	U	0.22	U	0.26	U	0.66	J	0.8	U	90.	U
72-55-9	4,4'-DDE	61.		1.8	J	1.5	J	9.6		13.		150.	
72-20-8	Endrin	33.	U	3.5	U	3.3	U	3.3	U	6.6	U	90.	U
33213-65-9	Endosulfan II	33.	U	3.5	U	3.3	U	3.3	U	6.6	U	90.	U
72-54-8	4,4'-DDD	68.		3.5	U	0.14	U	4.9		4.8	J	110.	
1031-07-8	Endosulfan sulfate	33.	U	3.5	U	3.3	U	3.3	U	6.6	U	90.	U
50-29-3	4,4'-DDT	7.7	U	5.2		1.4	J	2.8	J	8.1		2.7	U
72-43-5	Methoxychlor	170.	U	18.	U	17.	U	17.	U	34.	U	460.	U
53494-70-5	Endrin ketone	33.	U	0.75	J	3.3	U	3.3	U	6.6	U	90.	U
7421-93-4	Endrin aldehyde	33.	U	1.4	U	1.4	J	3.3	U	6.6	U	90.	U
5103-71-9	alpha-Chlordane	1.4	J	0.55	U	1.7	U	0.39	U	1.2	J	46.	U
5103-74-2	gamma-Chlordane	17.	U	1.1	J	0.29	U	0.67	U	1.9	J	46.	U
8001-35-2	Toxaphene	1700.	U	180.	U	170.	U	170.	U	340.	U	4600.	U
12674-11-2	Aroclor-1016	330.	U	35.	U	33.	U	334.		66.	U	900.	U
11104-28-2	Aroclor-1221	670.	U	72.	U	67.	U	67.	U	130.	U	1800.	U
11141-16-5	Aroclor-1232	330.	U	35.	U	33.	U	33.	U	66.	U	900.	U
53469-21-9	Aroclor-1242	330.	U	35.	U	33.	U	33.	U	66.	U	900.	U
12672-29-6	Aroclor-1248	330.	U	35.	U	33.	U	33.	U	66.	U	900.	U
11097-69-1	Aroclor-1254	330.	U	35.	U	33.	U	33.	U	66.	U	900.	U
11096-82-5	Aroclor-1260	87.	J	35.	U	33.	U	26.	J	41.	J	900.	U

*** Validation Complete ***

PENSACOLA, SITE 41
PENSACOLA, SITE 41, PHASE III

SVOA

SAMPLE ID ------->	041-J-18B1-01	041-J-3302-01	041-J-6401-01	041-J-6406-01	041-J-7501-01	
ORIGINAL ID ----->	041J18B101	041J330201	041J640101	041J640601	041J750101	
LAB SAMPLE ID --->	S775281*3	S775281*6	S775281*4	S775281*5	S775281*8	
ID FROM REPORT -->	041J18B101	041J330201	041J640101	041J640601	041J750101	
SAMPLE DATE ----->	09/04/97	09/02/97	09/08/97	09/04/97	09/05/97	
DATE EXTRACTED -->	09/23/97	09/23/97	09/23/97	09/23/97	09/23/97	
DATE ANALYZED --->	09/29/97	09/29/97	09/29/97	09/27/97	09/27/97	
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	

CAS #	Parameter	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	
108-95-2	Phenol	330.	U	330.	U	330.	U	330.	U	330.	U	
111-44-4	bis(2-Chloroethyl)ether	330.	UJ	330.	UJ	330.	UJ	330.	UJ	330.	UJ	
95-57-8	2-Chlorophenol	330.	U	330.	U	330.	U	330.	U	330.	U	
541-73-1	1,3-Dichlorobenzene	330.	U	330.	U	330.	U	330.	U	330.	U	
106-46-7	1,4-Dichlorobenzene	330.	U	330.	U	330.	U	330.	U	330.	U	
95-50-1	1,2-Dichlorobenzene	330.	U	330.	U	330.	U	330.	U	330.	U	
95-48-7	2-Methylphenol (o-Cresol)	330.	U	330.	U	330.	U	330.	U	330.	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	330.	U	330.	U	330.	U	330.	U	330.	U	
9999900-32-2	3-Methylphenol/4-Methylphenol	330.	U	330.	U	330.	U	330.	U	330.	U	
621-64-7	N-Nitroso-di-n-propylamine	330.	U	330.	U	330.	U	330.	U	140.	J	
67-72-1	Hexachloroethane	330.	U	330.	U	330.	U	330.	U	330.	U	
98-95-3	Nitrobenzene	330.	U	330.	U	330.	U	330.	U	330.	U	
78-59-1	Isophorone	330.	U	330.	U	330.	U	330.	U	330.	U	
88-75-5	2-Nitrophenol	330.	U	330.	U	330.	U	330.	U	330.	U	
105-67-9	2,4-Dimethylphenol	330.	U	330.	U	330.	U	330.	U	330.	U	
120-83-2	2,4-Dichlorophenol	330.	U	330.	U	330.	U	330.	U	330.	U	
120-82-1	1,2,4-Trichlorobenzene	330.	U	330.	U	330.	U	330.	U	330.	U	
91-20-3	Naphthalene	330.	U	330.	U	330.	U	330.	U	330.	U	
106-47-8	4-Chloroaniline	660.	U	660.	U	660.	U	660.	U	660.	U	
87-68-3	Hexachlorobutadiene	330.	U	330.	U	330.	U	330.	U	330.	U	
111-91-1	bis(2-Chloroethoxy)methane	330.	U	330.	U	330.	U	330.	U	330.	U	
59-50-7	4-Chloro-3-methylphenol	330.	U	330.	U	330.	U	330.	U	330.	U	
91-57-6	2-Methylnaphthalene	330.	U	330.	U	330.	U	330.	U	330.	U	
77-47-4	Hexachlorocyclopentadiene	330.	U	330.	U	330.	U	330.	U	330.	U	
88-06-2	2,4,6-Trichlorophenol	330.	U	330.	U	330.	U	330.	U	330.	U	
95-95-4	2,4,5-Trichlorophenol	330.	U	330.	U	330.	U	330.	U	330.	U	
91-58-7	2-Chloronaphthalene	330.	U	330.	U	330.	U	330.	U	330.	U	
88-74-4	2-Nitroaniline	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	
131-11-3	Dimethylphthalate	330.	U	330.	U	330.	U	330.	U	330.	U	
208-96-8	Acenaphthylene	330.	U	330.	U	330.	U	330.	U	330.	U	
606-20-2	2,6-Dinitrotoluene	330.	U	330.	U	330.	U	330.	U	330.	U	
99-09-2	3-Nitroaniline	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	
83-32-9	Acenaphthene	330.	U	330.	U	330.	U	330.	U	330.	U	
51-28-5	2,4-Dinitrophenol	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	
100-02-7	4-Nitrophenol	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U	
132-64-9	Dibenzofuran	330.	U	330.	U	330.	U	330.	U	330.	U	

*** Validation Complete ***

PENSACOLA, SITE 41
PENSACOLA, SITE 41, PHASE III

SVOA

	SAMPLE ID ------->	041-J-18B1-01		041-J-3302-01		041-J-6401-01		041-J-6406-01		041-J-7501-01	
	ORIGINAL ID ----->	041J18B101		041J330201		041J640101		041J640601		041J750101	
	LAB SAMPLE ID --->	S775281*3		S775281*6		S775281*4		S775281*5		S775281*8	
	ID FROM REPORT -->	041J18B101		041J330201		041J640101		041J640601		041J750101	
	SAMPLE DATE ----->	09/04/97		09/02/97		09/08/97		09/04/97		09/05/97	
	DATE EXTRACTED -->	09/23/97		09/23/97		09/23/97		09/23/97		09/23/97	
	DATE ANALYZED --->	09/29/97		09/29/97		09/29/97		09/27/97		09/27/97	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL	PEN15	VAL
121-14-2	2,4-Dinitrotoluene	330.	U	330.	U	330.	U	330.	U	330.	U
84-66-2	Diethylphthalate	330.	U	330.	U	330.	U	330.	U	330.	U
7005-72-3	4-Chlorophenylphenyl ether	330.	U	330.	U	330.	U	330.	U	330.	U
86-73-7	Fluorene	330.	U	330.	U	330.	U	330.	U	330.	U
100-01-6	4-Nitroaniline	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
86-30-6	N-Nitrosodiphenylamine	330.	U	330.	U	330.	U	330.	U	330.	U
101-55-3	4-Bromophenyl-phenylether	330.	U	330.	U	330.	U	330.	U	330.	U
118-74-1	Hexachlorobenzene	330.	U	330.	U	330.	U	330.	U	330.	U
87-86-5	Pentachlorophenol	1700.	U	1700.	U	1700.	U	1700.	U	1700.	U
85-01-8	Phenanthrene	330.	U	330.	U	330.	U	330.	U	330.	U
120-12-7	Anthracene	330.	U	330.	U	330.	U	330.	U	330.	U
86-74-8	Carbazole	330.	U	330.	U	330.	U	330.	U	330.	U
84-74-2	Di-n-butylphthalate	330.	U	330.	U	330.	U	330.	U	330.	U
206-44-0	Fluoranthene	330.	U	330.	U	330.	U	330.	U	330.	U
129-00-0	Pyrene	330.	U	330.	U	330.	U	330.	U	330.	U
85-68-7	Butylbenzylphthalate	330.	U	330.	U	330.	U	330.	U	330.	UJ
91-94-1	3,3'-Dichlorobenzidine	660.	U	660.	U	660.	U	660.	U	330.	UJ
56-55-3	Benzo(a)anthracene	330.	U	330.	U	330.	U	330.	U	660.	UJ
218-01-9	Chrysene	330.	U	330.	U	330.	U	330.	U	330.	UJ
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	92.	J	330.	U	330.	U	330.	U	330.	UJ
117-84-0	Di-n-octylphthalate	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ
205-99-2	Benzo(b)fluoranthene	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ
207-08-9	Benzo(k)fluoranthene	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ
50-32-8	Benzo(a)pyrene	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ
53-70-3	Dibenz(a,h)anthracene	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ
191-24-2	Benzo(g,h,i)perylene	330.	UJ	330.	UJ	330.	UJ	330.	U	330.	UJ

*** Validation Complete ***

Sediment Toxicity Testing
at Site 40, NAS, Pensacola, Florida

Submitted to:

David Trimm/EnSafe
2114 Airport Boulevard
Suite 1150
Pensacola, FL 32504

Submitted by:

TRAC Laboratories, Inc.
14 S. 2nd Street
Pensacola, Florida 32507
(850) 456-5836

Florida Department of Health and Rehabilitative Services
Certification Number E81181

Project Number: 119-1817-1821,
1823-1828, 1830-1836

October 1997

Toxicity Test Summary Sheet

Client:	EnSafe
Project Number:	119-1817-1821, 1823-1828, 1830-1836
Study Directors:	Jeri Brecken-Folse
Test Material:	Sediment from Site 40
Date Materials Received:	26 August through 4 September 1997
Dates of Tests:	1 September through 21 October 1997
Test Conditions:	Chronic static screens
Test Animals:	*Mysidopsis bahia* (Lot #MB-97-Z123/A124), *Leptocheirus plumulosus* (Lot #LP-97-01. 02) and *Neanthes arenaceodentata* (Lot #NA-97-01/02).
Source:	Test organisms were supplied by commercial suppliers, except *M.bahia*, which were collected from TRAC's in-house culture system.
Control and Dilution Water:	Natural seawater.
Exposure Concentration:	100% sediment
Effect Criteria:	Survival, growth, fecundity
Chronic Effects:	*M. bahia*: Chronic effects were not detected. *L. plumulosus:* Chronic effects were not detected. *N. arenaceodentata*: Chronic effects were not detected.

INTRODUCTION

Samples of sediments were collected by EnSafe personnel on 28 August through 3 September 1997 from Site 40, Pensacola Naval Air Station, Florida. Opposum shrimp, *Mysidopsis bahia*, the amphipod, *Leptocheirus plumulosus*, and the marine polychaete, *Neanthes arenaceodentata*, were exposed to 10 sediment samples to determine chronic effects. Tests were conducted from 1 September through 21 October 1997. All original raw data sheets are archived at TRAC Laboratories, and copies are provided as Appendix A.

MATERIALS AND METHODS

Test Material

Sediment samples from 10 stations were collected and delivered to TRAC on 28 August (station 4001), 29 August (stations 4002, 4003, 4004, 4005, 4006), and 3 September 1997 (stations 4007, 4008, 4009, 4010). TRAC sample numbers 1837, 1838, 1839, 1840, 1841,1842, 1843, 1844, 1845, and 1846 were assigned to each sample, respectively. The ten stations arrived at temperatures between 28.0 and 29°C and were in filled 3.8 L plastic containers.

Interstitial salinities were recorded on each Chain of Custody sheet and whether the sample needed to be press seived (to eliminate large debris or preditors). Chain of Custody sheets are in Appendix A. All samples were logged into the "Test Material Log", refrigerated and held at 4°C until test initiation.

Control Water

Overlying control water was natural seawater collected from the Gulf of Mexico and was diluted with dechlorinated freshwater to 20 ppt salinity for *M. bahia* and *L. plumulosus* tests, and 28 ppt for *N. arenaceodentata* tests.

Control Sediment

Control sediment was collected from Perdido Bay, Florida. This sediment is referred to as C17 in the data and was 2% sand and 98% silt and clay. Characterization data are in Appendix A.

Test Organisms

M. bahia, batches Mb-97-125Z and -126A were cultured at TRAC and were 7 days old upon test initiation.

L. plumulosus were delivered by overnight courier from a commercial supplier. Batches LP-97-01 and LP-97-02 were sieved for size and were 2-4 mm at test initiation.

N. arenaceodentata arrived by overnight courier from a commercial supplier and were 2-3 weeks post-emergence age at test initiation. Test animals from batch NA-97-02 averaged 0.94 mg at test initiation.

TRAC routinely conducts reference toxicant tests (using sodium dodycyl sulfate) on *M. bahia* cultures. Reference toxicant data for this species are presented with a control chart in Appendix B. One reference toxicant test was conducted for both *L. plumulosus* and *N. arenaceodentata* batches. The *L. plumulosus* test generated an LC50 of 5.9 mg/L CdCl, compared to ASTM guidance which cited an LC50 of 1.06 mg/L CdCl. An LC50 of 14 mg/L CdCl was calculated for the *N. arenaceodentata* test, which compared to ASTM citings of 12-22 mg/L CdCl. Statistical calculations for reference toxicant data are also in Appendix B.

Test Conditions

Tests were conducted following EPA and ASTM guidance as requested in the contract proposal and cited in the reference section at the end of this report. Test conditions varied for each species and are summarized in Table 1. Test endpoints and water quality measurements were recorded on raw data sheets in Appendix A.

Table 1. Summary of test conditions for 3 species.

Test Condition	*Mysidopsis bahia*	*Neanthes arenaceodentata*	*Leptocheirus plumulosus*
Temp (°C.)	21-25[1]	20±1	20±1
Light intensity	50-100 fc	50-100 fc	50-100 fc
Photo period	16L:8D	16L:8D	16L:8D
Vessel size	1L Mason Jar	1L Mason jar	1L Mason jar
Sediment volume	0.200 L	0.200 L	0.200 L
Water volume	0.700 L	0.700 L	0.700 L
Organisms/vessels	5	5	20
Replicates	8	5	5
Organisms/Conc.	40	25	100
Aeration	yes	yes	yes
Dilution water	Natural seawater	Natural seawater	Natural seawater
Salinity	20 ppt	28 ppt	20 ppt
Duration	12 days	20 days	10 days
Size/age	7 days	2-3wk post-em 0.5-1.0 mg/dry	2-4 mm
Renewal	no	2 times/week	no
Feeding	24 hr. artemia	Tetramin	no
Endoints	Survival, weight, fecundity	Survival, total and average weights	Survival

[1]Deviation from protocol: Test inadvertantly conducted at 21°C which prevented sexual maturation. Test continued 5 additonal days at 25°C to complete sexual development.

Statistical Analysis

Statistical analysis were performed using the computer program TOXSTAT, developed by the University of Wyoming.

M. bahia: statistical analysis were not conducted. Test organisms in all 10 sediments performed better than organisms in the control sediment (C17).

L. plumulosus: survival data were entered as proportions, arc sine transformed, and analyzed by Dunnett's ANOVA.

N. arenaceodentata: weight data were not transformed and analyzed by Dunnett's ANOVA. It was not necessary to analyze survival data.

Results

Mean calculations for all endpoints are summarized in Table 2.
M. bahia: chronic effects were not detected for survival, growth or fecundity.
L. plumulosus: chronic effects were not detected for survival at any station.
N. arenaceodentata: chronic effects were not observed for survival or weight at any station.

REFERENCES

Gulley, E.D., Boelter A.M., and Gurgman H. 1989. TOXSTAT Release 3.0, University of Wyoming, Laramie, Wyoming.

TRAC Laboratories, Inc. 1994. Generic Quality Assurance Plan for Laboratory Toxicity Tests of Effluent Samples, Florida Department of Environmental Regulation.

U.S. EPA. 1989. Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms (TRAC SOP 504.1,516.1:F).

ASTM Standards on Aquatic Toxicology and Hazard Evaluation. (ASTM E-1367-92/TRAC SOP 517.1:F, ASTM E-1611-94, ASTM E-1706-95b/SOP Dept.of Fisheries and Wildlife, MSU, 1993).

Don Reish. Laboratory Protocol: Juveniles Polychaete Sediment Bioassay, Revised 1991.

Table 2. Summary of Bioassay Results conducted (Sept. - Oct. 97) on Site 40 Sediments, NAS, Pensacola, FL

Mysidopsis bahia				*Leptocheirus plumulosus*		*Neanthes arenaceodentata*		
Site	**Mean Survival %**	**Mean Individual Weight (mg)**	**Mean Fecundity %**	**Site**	**Mean Survival %**	**Site**	**Mean Survival %**	**Mean Individual Weight (mg)**
C17	85%	0.33	93%	C17	97%	C17	100	8.5
4001	90%	0.55	100%	4001	99%	4001	96	9.1
4002	100%	0.50	92%	4002	93%	4002	100	10.0
4003	97.5%	0.64	100%	4003	98%	4003	100	9.1
4004	97.5%	0.55	100%	4004	95%	4004	100	13.1
4005	97.5%	0.68	100%	4005	95%	4005	100	14.5
C17	82.5%	0.37	80%	4006	95%	C17	100	9.9
4006	82.5%	0.57	100%	C17	100%	4006	100	10.6
4007	100%	0.60	100%	4007	93%	4007	100	12.5
4008	97.5%	0.61	92%	4008	98%	4008	100	11.6
4009	95%	0.65	100%	4009	95%	4009	100	10.3
4010	97.5%	0.60	100%	4010	96%	4010	100	9.5

APPENDIX A

(1)

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

CLIENT: EnSafe/Allen & Hoshall
ADDRESS: 5724 Summer Trees, Memphis, TN. 38134
PROJECT NAME/NUMBER: 0361 - wetlands
PROJECT MANAGER: Henry Beiro
TELEPHONE NO.: (901) 372-7962
FAX. NO.: (901) 372-2454
SAMPLERS: (SIGNATURE) D. Trimm

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Lepto	Urban Tox	Chem	REMARKS
3301	8/27	1400	Sed	1 gallon	4°C								X	X		5-10 ppb NPS
3302	↓	1000	Sed	1.5 gal	↓								X	X		5-17 ppb 2mm
0302	↓	1630	↓	2-200ml	↓										X	NPS
0307	↓	1600	↓	2-200ml	↓										X	NPS

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE: D. Trimm	8/27 1993	SIGNATURE: J. Folse	8/28	SIGNATURE:		SIGNATURE:	
PRINTED: D. Trimm	TIME	PRINTED: J. Folse	TIME	PRINTED:	TIME	PRINTED:	TIME
COMPANY: E/A&H	1807	COMPANY: TRAC	0800	COMPANY:		COMPANY:	
REASON: SHIPMENT		REASON:		REASON:		REASON:	

METHOD OF SHIPMENT: ~~FEDEX~~ HAND
SHIPMENT NO.:
SPECIAL INSTRUCTION: ~~PRIORITY~~

COMMENTS: Samples arrived after lab closed, and were left in Walk in cooler w/ COC. Samples were at lab this am. when opened this morning.

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

059COCR

(2)

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

CLIENT EnSafe/Allen & Hoshall
ADDRESS 5724 Summer Trees
Memphis, TN. 38134
PROJECT NAME/NUMBER 036-40/41

PROJECT MANAGER Henry Beiro
TELEPHONE NO. (901) 372-7962
FAX NO. (901) 372-2454
SAMPLERS: (SIGNATURE) D. T

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Lepto	Nitrate	Mycoid	Chrome	REMARKS
40-01	8/28/97	1115	Sed	1 gal	4°C								X	X	X		5-25% NPS
05A-04		0900	Sed	2-200ml												X	NPS
05A-05		1000	Sed	2-200ml												X	NPS
05A-06		1015	Sed	2-200ml												X	NPS
75-01		1200	Sed	2-200ml												X	NPS
																	~~NPS~~

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE D. T	8/28	SIGNATURE	28 Aug 97	SIGNATURE		SIGNATURE	
PRINTED D. Timm	1997	PRINTED		PRINTED		PRINTED	
COMPANY E/~~[illegible]~~	TIME	COMPANY	TIME	COMPANY	TIME	COMPANY	TIME
REASON SHIPMENT	1300	REASON	1600	REASON		REASON	

METHOD OF SHIPMENT: ~~FEDEX~~ Hand
SHIPMENT NO.
SPECIAL INSTRUCTION: ~~PRIORITY~~

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

059COCR

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

CLIENT: EnSafe/Allen & Hoshall
ADDRESS: 5724 Summer Trees, Memphis, TN. 38134
PROJECT NAME/NUMBER: 036-Site 44/4
PROJECT MANAGER: Henry Beiro
TELEPHONE NO.: (901) 372-7962
FAX. NO.: (901) 372-2454
SAMPLERS: (SIGNATURE)

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	LEPH	Nitrate	M.4510	REMARKS Press Size
040-02	8-29	0900	Sed	1 gallon	4°C		1						X	X	X	20/20 ~~2mm~~ NPS
040-03		0930	Sed	1 gallon			1						X	X	X	20/20 NPS
040-04		1000	Sed	1 gallon			1						X	X	X	20/20 NPS
040-05		1100	Sed	1 gallon			1						X	X	X	22/20 NPS
040-06		1120	Sed	1 gallon			1						X	X	X	20/20 NPS
18-B1		1030	Sed	2-gallon			2						X	X		17/20 2mm

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE: D. Trimm	8/29	SIGNATURE: [illegible]	8/29	SIGNATURE:		SIGNATURE:	
PRINTED: D. Trimm	1997	PRINTED: G. Brecken		PRINTED:		PRINTED:	
COMPANY: E/~~ASH~~	TIME	COMPANY: TTAC	TIME	COMPANY:	TIME	COMPANY:	TIME
REASON: SHIPMENT		REASON:		REASON:		REASON:	

METHOD OF SHIPMENT: ~~FEDEX~~ Hand D
SHIPMENT NO.:
SPECIAL INSTRUCTION: ~~PRIORITY~~

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

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(4)

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

CLIENT EnSafe/Allen & Hoshall
ADDRESS 5724 Summer Trees
Memphis, TN. 38134
PROJECT NAME/NUMBER 036/Sites 40/41

PROJECT MANAGER Henry Beiro
TELEPHONE NO. (901) 372-7962
FAX. NO. (901) 372-2454
SAMPLERS: (SIGNATURE) [signature]

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Lepto	Ulam Thr	Mysid	REMARKS
40-07	9-3-97	0900	Sed	1-gal	4°C								X	X	X	
40-08	↓	0945	↓	↓	↓								X	X	X	
40-09		1000											X	X	X	
40-10		1030											X	X	X	
64-06		1045											X	X	X	

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE [signature]		SIGNATURE [signature]	3/9/97	SIGNATURE		SIGNATURE	
PRINTED D. Trimm	1993	PRINTED [illegible]		PRINTED		PRINTED	
COMPANY E/A&H	TIME	COMPANY TMC	TIME	COMPANY	TIME	COMPANY	TIME
REASON SHIPMENT		REASON Receive	1150	REASON		REASON	

METHOD OF SHIPMENT: ~~FEDEX~~
SHIPMENT NO. HAND
SPECIAL INSTRUCTION: ~~PRIORITY~~

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

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(5)

NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

CLIENT EnSafe/Allen & Hoshall
ADDRESS 5724 Summer Trees
Memphis, TN. 38134
PROJECT NAME/NUMBER D36 Site 40/44

PROJECT MANAGER Henry Beiro
TELEPHONE NO. (901) 372-7962
FAX. NO. (901) 372-2454
SAMPLERS: (SIGNATURE) D. L. Trimm

	FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Lead	Nitrate	REMARKS
0871	04-05	9-4-97	1030	Sed	1 gal	4°C		1						X	X	NPS
0830	04-04	9-4-97	1000	Sed	1 gal	↓		1						X	X	NPS
1331	16-D3	9-4-97	1130	Sed	1 gal	↓		1						X	X	NPS

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE D. L. Trimm	9/4 1997	SIGNATURE Rick Abad		SIGNATURE		SIGNATURE	
PRINTED D. L. TRIMM	TIME	PRINTED RICK ABAD	TIME	PRINTED	TIME	PRINTED	TIME
COMPANY E/A&H		COMPANY TRAC		COMPANY		COMPANY	
REASON SHIPMENT		REASON		REASON		REASON	

METHOD OF SHIPMENT: ~~FEDEX~~ HAND
SHIPMENT NO.
SPECIAL INSTRUCTION: ~~PRIORITY~~

COMMENTS:

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

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NAVY CLEAN
ENSAFE/ALLEN & HOSHALL
(901) 383-9115

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

CLIENT: EnSafe/Allen & Hoshall
ADDRESS: 5724 Summer Trees, Memphis, TN. 38134
PROJECT NAME/NUMBER: wetland/036-Site 41
PROJECT MANAGER: Henry Beiro
TELEPHONE NO.: (901) 372-7962
FAX. NO.: (901) 372-2454
SAMPLERS: (SIGNATURE) D. Trimm, C. Mason

FIELD SAMPLE NUMBER	DATE	TIME	SAMPLE TYPE	TYPE/SIZE OF CONTAINER	PRESERVATION TEMP.	PRESERVATION CHEMICAL	NO. OF CONTAINERS	TCL VOCs	TCL BNAs	TCL PEST/PCBs	TAL METALS	TCL CYANIDE	Bioassay (Pine Needle)	REMARKS
0301	8-26	1030	W	2.5 gal	4°C								X	Arrival Temp = 26°C
05A04	↓	1315	↓	↓	↓								X	30.5°C ~~27.7°C~~
05A05		1330											X	31.7°C
05A06		1350											X	28.7°C
7501		1520											X	27.7°C

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE: [signature]	8/26/1997	SIGNATURE: Rick Abad		SIGNATURE:		SIGNATURE:	
PRINTED: D.L. Trimm		PRINTED: RICK ABAD		PRINTED:		PRINTED:	
COMPANY: E/A&H	TIME	COMPANY: TRAC LABS.	TIME	COMPANY:	TIME	COMPANY:	TIME
REASON: SHIPMENT	1600	REASON:		REASON:		REASON:	

METHOD OF SHIPMENT: ~~FEDEX~~ Hand
SHIPMENT NO.:
SPECIAL INSTRUCTION: ~~PRIORITY~~

COMMENTS: TRAC Project # 119-1317-21

AFTER ANALYSIS, SAMPLES ARE TO BE:
- ☐ DISPOSED OF (ADDITIONAL FEE)
- ☐ STORED (90 DAYS MAX)
- ☐ STORED OVER 90 DAYS (ADDITIONAL FEE)
- ☐ RETURNED TO CUSTOMER

059COCR

TIERRA CONSULTING,INC.
SEDPET III: SEDIMENTARY PETROLOGY ANALYSIS PROGRAM

.ALYSIS OF SAMPLE: TL-C17

ORGANIC CARBON = 3.94%

SIEVE ANALYSIS

SAMPLE WEIGHT = 15.04

SIEVE SIZE (MICRONS)	SIEVE SIZE (PHI)	SIEVE WT (GRAMS)	WEIGHT PERCENT RETAINED	CUMULATIVE PERCENT THROUGH	CUMULATIVE PERCENT RETAINED
500.00	1.00	.05	.33	99.67	.33
250.00	2.00	.09	.60	99.07	.93
125.00	3.00	.05	.33	98.74	1.26
62.50	4.00	.02	.13	98.60	1.40

HYDROMETER ANALYSIS

"OLUME = 1000.00 ASSUMED SPECIFIC GRAVITY = 2.650

TIME (MINS)	HYDROMETER READING	TEMPERATURE (DEGREES C)	EFFECTIVE DEPTH	TEMPERATURE CORRECTION
1.	14.00	21.50	14.00	.01341
5.	13.50	21.50	14.08	.01341
15.	13.00	21.50	14.16	.01341
60.	11.00	21.50	14.49	.01341
180.	9.00	21.50	14.82	.01341
720.	8.00	21.50	14.98	.01341
1200.	7.50	21.00	15.06	.01349

TIME (MINS)	DIAMETER (MICRONS)	DIAMETER (IN PHI)	WEIGHT PERCENT RETAINED	CUMULATIVE PERCENT THROUGH	CUMULATIVE PERCENT RETAINED
1.	50.18	4.32	5.52	93.09	6.91
5.	22.51	5.47	3.32	89.76	10.24
15.	13.03	6.26	3.32	86.44	13.56
60.	6.59	7.25	13.30	73.14	26.86
180.	3.85	8.02	13.30	59.84	40.16
720.	1.93	9.01	6.65	53.19	46.81
1200.	1.51	9.37	3.32	49.87	50.13

TEXTURAL CLASSIFICATION AND PHI PERCENTILES — SAMPLE TL-C17

SIZE CLASSIFICATION USED: STANDARD GEOLOGICAL SOILS CLASSIFICATION

GRAVEL/SAND CUTOFF	2000.00 MICRONS
SAND/SILT CUTOFF	62.50 MICRONS
SILT/CLAY CUTOFF	4.00 MICRONS
PERCENT GRAVEL	.00
PERCENT SAND	1.40
PERCENT SILT	37.81
PERCENT CLAY	60.80

TEXTURAL DESCRIPTIONS

FOLK'S: MUD
SHEPARD'S: SILTY CLAY
TREFETHEN'S: SILTY CLAY
U.S. ARMY CORPS OF ENGINEERS: CLAY
U.S. BUREAU OF SOILS: CLAY

PHI PERCENTILES

PHI(05)	4.21 PHI	54.15 MICRONS
PHI(16)	6.44 PHI	11.50 MICRONS
PHI(25)	7.11 PHI	7.25 MICRONS
PHI(50)	9.36 PHI	1.53 MICRONS

EXTRAPOLATION OF DATA TO CUMULATIVE 99.5% RETAINED.

NUMBER OF SAMPLES SELECTED: 7
CORRELATION COEFFICIENT: .9856613
STANDARD ERROR OF THE ESTIMATE: 1.1586659
RANGE OF STANDARD RESIDUALS: 12.7761 WITH MINIMUM: -6.0233 AND MAXIMUM: 6.7527
F-TEST: 170.6118 WITH 1 AND 5 DEGREES OF FREEDOM.

WARNING EXTRAPOLATION MAY BE MEANINGLESS SINCE LESS THAN 75% ACCOUNTED FOR BY INPUT DATA.***

EXTRAPOLATED PHI PERCENTILES

PHI(05)	4.21 PHI	54.15 MICRONS
PHI(16)	6.44 PHI	11.50 MICRONS
PHI(25)	7.11 PHI	7.25 MICRONS
PHI(50)	9.36 PHI	1.53 MICRONS
PHI(75)	10.02 PHI	.97 MICRONS
PHI(84)	10.28 PHI	.80 MICRONS
PHI(95)	10.58 PHI	.66 MICRONS
PHI(99.9)	10.695 PHI	.603 MICRONS

INTERPOLATED PHI PERCENTILES SAMPLE TL-C17

PHI	MICRONS	MM	PCT. RET	PCT. FINER
1.00	500.00	.5000E+00	.33	99.67
1.25	420.45	.4204E+00	.48	99.52
1.50	353.55	.3536E+00	.63	99.37
1.75	297.30	.2973E+00	.78	99.22
2.00	250.00	.2500E+00	.93	99.07
2.25	210.22	.2102E+00	1.01	98.99
2.50	176.78	.1768E+00	1.10	98.90
2.75	148.65	.1487E+00	1.18	98.82
3.00	125.00	.1250E+00	1.26	98.74
3.25	105.11	.1051E+00	1.30	98.70
3.50	88.39	.8839E-01	1.33	98.67
3.75	74.33	.7433E-01	1.36	98.64
4.00	62.50	.6250E-01	1.40	98.60
4.25	52.56	.5256E-01	5.75	94.25
4.50	44.19	.4419E-01	7.44	92.56
4.75	37.16	.3716E-01	8.16	91.84
5.00	31.25	.3125E-01	8.88	91.12
5.25	26.28	.2628E-01	9.60	90.40
5.50	22.10	.2210E-01	10.35	89.65
5.75	18.58	.1858E-01	11.41	88.59
6.00	15.63	.1563E-01	12.46	87.54
6.25	13.14	.1314E-01	13.51	86.49
6.50	11.05	.1105E-01	16.78	83.22
6.75	9.29	.9291E-02	20.16	79.84
7.00	7.81	.7813E-02	23.54	76.46
7.25	6.57	.6570E-02	26.94	73.06
7.50	5.52	.5524E-02	31.22	68.78
7.75	4.65	.4645E-02	35.51	64.49
8.00	3.91	.3906E-02	39.79	60.21
8.25	3.28	.3285E-02	41.69	58.31
8.50	2.76	.2762E-02	43.37	56.63
8.75	2.32	.2323E-02	45.04	54.96
9.00	1.95	.1953E-02	46.72	53.28
9.25	1.64	.1642E-02	49.01	50.99
9.50	1.38	.1381E-02	55.03	44.97
9.75	1.16	.1161E-02	64.42	35.58
10.00	.98	.9766E-03	73.81	26.19
10.25	.82	.8212E-03	83.20	16.80
10.50	.69	.6905E-03	92.59	7.41

STATISTICS AND ENGINEERING PARAMETERS SAMPLE TL-C17

..MAN'S STATISTICS:

MEDIAN	9.355	PHI	1.527 MICRONS
MEAN	8.363	PHI	3.037 MICRONS
STANDARD DEVIATION	1.921	POORLY SORTED	
SKEWNESS	-.517	STRONGLY COARSE-SKEWED	
KURTOSIS	.658	VERY PLATYKURTIC	

FOLK'S STATISTICS:

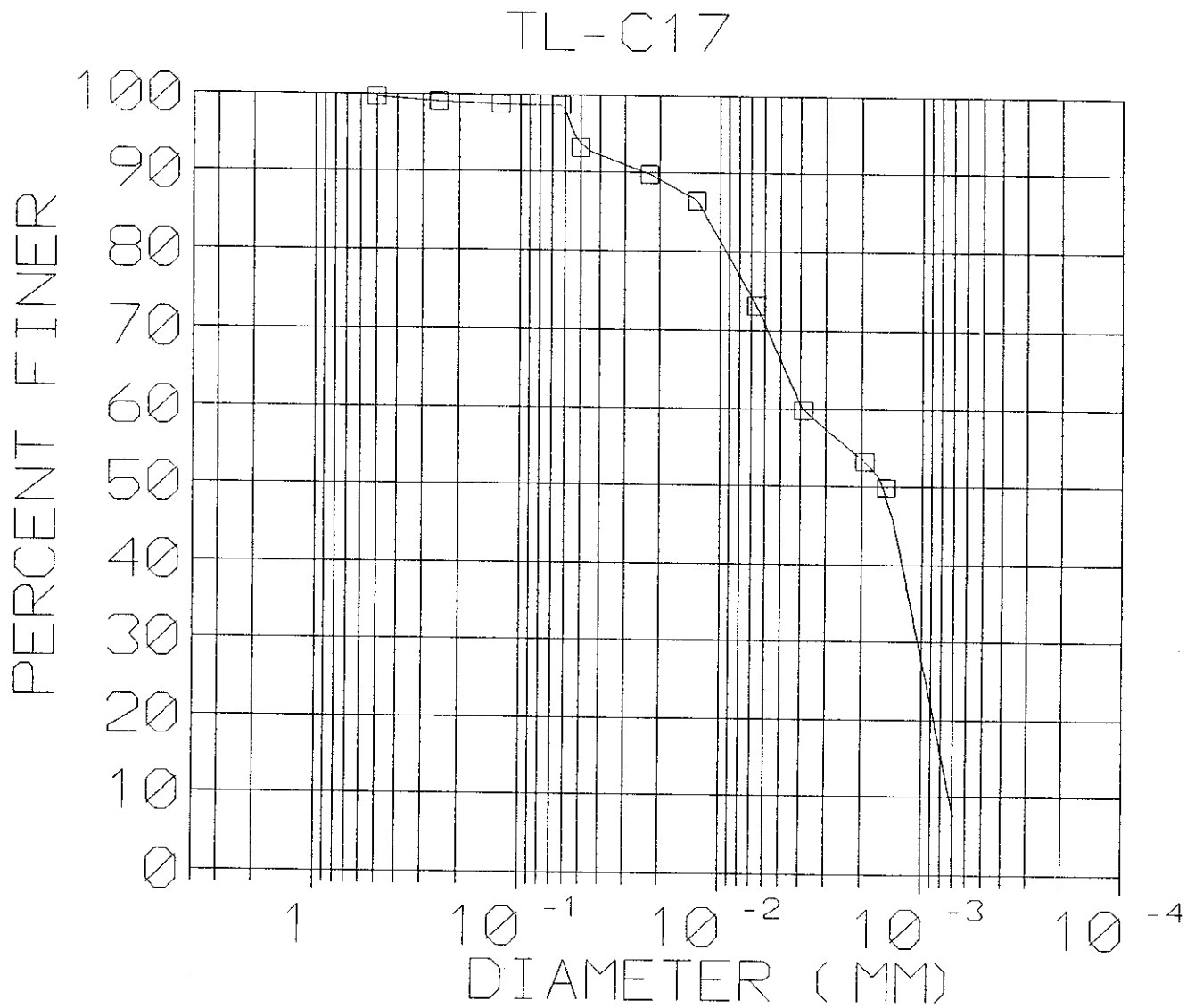
MEAN	8.694	PHI	2.415 MICRONS
STANDARD DEVIATION	1.925	POORLY SORTED	
SKEWNESS	-.567	STRONGLY COARSE-SKEWED	
KURTOSIS	.898	PLATYKURTIC	

MOMENT MEASURES:

MEAN	8.383	PHI	2.995 MICRONS
SECOND MOMENT	4.090		
STANDARD DEVIATION	2.022	VERY POORLY SORTED	
THIRD MOMENT	-8.602		
SKEWNESS	-1.040	STRONGLY COARSE-SKEWED	
FOURTH MOMENT	60.548		
KURTOSIS	1.206	LEPTOKURTIC	

ENGINEERING PARAMETERS:

D60	8.028	PHI	3.831 MICRONS
D30	9.899	PHI	1.048 MICRONS
D10	10.431	PHI	.724 MICRONS
COEF. OF UNIFORMITY	5.290		
COEF. OF CURVATURE	.395		


TL-C17
PERCENT FINER
100
90
80
70
60
50
40
30
20
10
0
1
10 -1
10 -2
10 -3
10 -4
DIAMETER (MM)

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/9/97	1200	CJK	

Conc.	Rep.	N	Tare Weight	Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop. F w/ eggs
C-17	1	5	0.0172	0.0185	13	0.26	2	1	2		0.66
	2	3	0.0188	0.0199	1.1	0.36			2	1	—
	3	5	0.0181	0.195	1.4	0.28			4	1	—
	4	4	0.0180	0.0194	1.4	0.35	2		2		1.00
	5	4	0.0205	0.0220	1.5	0.38	1		3		1.00
	6	5	0.0173	0.0189	1.6	0.32	1		4		1.00
	7	3	0.0188	0.0199	1.1	0.36			3		—
	8	5	0.0187	0.0205	1.8	0.36	3			2	1.00

Comments 85%

$\bar{X}$ = 33.4

CV = 0.04

R = 5

$\bar{X}$ = .93

A124 2 Oct 1983

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/9/97	1200	[illegible]	

Conc.	Rep.	N	♀♀ Tare ♂ Weight	Gross ♂ Weight	Net ♂♂ Weight	Mean ♂♂ Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop ♀w/ eggs
4001	1	4	0.0196	0.0219	2.3	0.58	3		1		1.0
	2	5	0.0190	0.0215	2.5	0.50	3		2		1.0
	3	4	0.0193	0.0222	2.9	0.73	4				1.0
	4	4	0.0189	0.0210	2.1	0.53	3		1		1.0
	5	4	0.0188	0.0212 ~~0.0202~~	2.4	0.60	3		1		1.0
	6	5	0.0209	0.0226	1.7	0.34	3		1	1	1.0
	7	5	0.0258	0.0286	2.8	0.56	4		1		1.0
	8	5	0.0169	0.0198	2.9	0.58	3		2		1.0

Comments 90%

$\bar{X} = 0.55$

$CV = 0.11$

R = 8

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/9/97	1200	BX	

Conc.	Rep.	N	µg Tare Weight	Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop 9 wt. eggs
4002	1	5	0.0191	0.0215	2.4	0.48	2	2	1		~~50%~~ 0.
	2	5	0.0171	0.0194	2.3	0.46			5		—
	3	5	0.0248	0.0272	2.4	0.48	2		~~1~~ 3		~~100%~~ 1
	4	5	0.0223	0.250	2.7	0.54	3		2		1.0
	5	5	0.0179	0.0206	2.7	0.54	2		3		1.0
	6	5	0.0204	0.0228	2.4	0.48	2		2	1	1.0
	7	5	0.0189	0.0215	2.6	0.52	2		3		1.0
	8	5	0.0228	0.0251	2.3	0.46			4	1	—

Comments 100%

$\bar{X}$ = 0.50

CV = 0.03

R = 6

$\bar{X}$ = 92%

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/9/97	1200	[illegible]	

Conc.	Rep.	N	Tare Weight g	Gross Weight g	Net Weight mg	Mean Wt. mg	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop. ♀ w/ eggs
4003	1	5	0.0292	0.0324	3.2	0.64	1		4		1.0
	2	5	0.0229	0.0253	2.4	0.48	~~2~~ 3	X	1	1	1.0
	3	5	0.0153	0.0189	3.6	0.72	2		3		1.0
	4	5	0.0179	0.0210	3.1	0.62	~~2~~ 3	X	2		1.0
	5	4	0.0166	0.0195	2.9	0.73	4				1.0
	6	5	0.0146	0.0179	3.3	0.66	2		3		1.0
	7	5	0.0207	0.0239	3.2	0.64	1		4		1.0
	8	5	0.0186	0.0221	3.5	0.70	2		3		1.0

R = 8

Comments

X = 0.64

CV = 0.08

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/9/97	1200	CJK	

Conc.	Rep.	N	~~gf~~ Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Mean Wt. (mg)	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop. ♀ w/ eggs
4004	1	4	0.0261	0.0287	2.6	0.52	3		1		1.0
	2	5	0.0162	0.0190	2.8	0.56	4		1		1.0
	3	5	0.0261	0.0291	3.0	0.60	2		3		1.0
	4	5	0.0221	0.0250	2.9	0.58	2		3		1.0
	5	5	0.0205	0.0228	2.4	0.48	2		3		1.0
	6	5	0.0165	0.0195	3.0	0.60	2		3		1.0
	7	~~4~~ 5	0.0193	0.0215	2.2	0.44	1		3	1	1.0
	8	5	0.0217	0.0246	2.9	0.58	1		4		1.0

Comments

$\bar{x}$ = 0.55

CV = 0.06

R = 8

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/9/97	1200	BK	

Conc.	Rep.	N	Tare Weight	Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prog. 7 w/. eggs
4005	1	5	0.0273	0.0307	3.4	0.68	3		2		1.0
	2	5	0.0188	0.0225	3.7	0.74	1		4		1.0
	3	5	0.0173	0.0209	3.6	0.72	4		1		1.0
	4	5	0.0193	0.0224	3.1	0.62	0		5		—
	5	4	0.0233	0.0262	2.9	0.73	2		2		1.0
	6	5	0.0201	0.0235	3.4	0.68	3		1	1	1.0
	7	5	0.0223	0.0257	3.4	0.68	3		2		1.0
	8	5	0.0179	0.0209	3.0	0.60	3		2		1.0

Comments

$\bar{X} = 0.68$

$CV = 0.05$

N = ~~8~~ 7
81

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/8/97	1200	[illegible]	

Conc.	Rep.	N	Tare Weight	Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop. ♀ w/. eggs
C-17	1	4	0.0200	0.0214	1.4	0.38	1		3		1.0
	2	3	0.0188	0.0199	1.1	0.37	0		3		—
	3	4	0.0215	0.0229	1.4	0.35	1		3		1.0
	4	4	0.0229	0.0245	1.6	0.40	1	1	2		0.5
	5	5	0.0190	0.0205	1.5	0.30	0	1	4		0.0
	6	4	0.0207	0.0222	1.5	0.38	1	2	1		0.30
	7	4	0.0190	0.0207	1.7	0.42	4	—	—	—	1.0
	8	5	0.0237	[illegible]	1.7	0.34	1	—	4	—	1.0

Comments 82.5%

$\bar{X}$ = .37

CV = 0.04

N = 6

Z123 10ct ~ 719

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/8/97	1200	[illegible]	

Conc.	Rep.	N	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Mean Wt. (mg)	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop ♀ w/ eggs
4006	1	4	0.0242	0.0265	2.3	0.58	3		1		1.0
	2	4	0.0173	0.0196	2.3	0.58	2		2		1.0
	3	4	0.0192	0.0212	2.0	0.50	1		3		1.0
	4	4	0.0182	0.0203	2.1	0.53	1		3		1.0
	5	4	0.0231	0.0254	2.3	0.58	4				1.0
	6	4	0.0166	0.0185	1.9	0.48	1		3		1.0
	7	5	0.0209	0.0240	3.1	0.62	3		2		1.0
	8	4	0.0209	0.0237	2.8	0.70	2		2		1.0

Comments 82.5%

$\bar{X}$ = 0.57

CV = 0.07

N = 8

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/8/97	1200	CJK	

Conc.	Rep.	N	Tared Weight	Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop. w/ eggs
4007	1	5	0.0200	0.0227	2.7	0.68	4		1		1.0
	2	5	0.0219	0.0249	3.0	0.60	4		1		1.0
	3	5	0.0184	0.0217	3.3	0.66	2		3		1.0
	4	5	0.0213	0.0244	3.1	0.62	2		3		1.0
	5	5	0.0219	0.0248	2.9	0.58	4		1		1.0
	6	5	0.0210	0.0234	2.4	0.48	2		3		1.0
	7	5	0.0235	0.0264	2.9	0.58	3				1.0
	8	5	0.0230	0.0260	3.0	0.60	3		2		1.0

Comments 100%

$\bar{x} = 0.60$

CV = 0.06

R = 8

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/8/97	1200	[illegible]	

Conc.	Rep.	N	JP Tare Weight	JP Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop 7 w/ eggs
4008	1	4	0.0215	0.0237	2.2	0.55	1		3		1.0
	2	5	0.0173	0.0202	2.9	0.58	3		2		1.0
	3	5	0.0229	0.0257	2.8	0.56	1		4		1.0
	4	5	0.0214	0.0250	3.6	0.72	3		2		1.0
	5	5	0.0200	0.0226	2.6	0.52	1		4		1.0
	6	5	0.0247	0.0282	3.5	0.70	2		3		1.0
	7	5	0.0207	0.0237	3.0	0.60	1	2	2		0.33
	8	5	0.0170	0.0202	3.2	0.64	3		2		1.0
											n=8

Comments 97.5%

$\bar{X}$ = 0.61

CV = 0.07

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/8/97	1200	BX	

Conc.	Rep.	N	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Mean Wt. (mg)	Females W/Eggs	Females No Eggs	# Males	# Immature	Prop. ♀ w/ eggs
4009	1	5	0.0210	0.0245	3.5	0.70	3		2		1.0
	2	4	0.0190	0.0217	2.7	0.68	2		2		1.0
	3	5	0.0195	0.0226	3.1	0.62	1		4		1.0
	4	5	0.0188	0.0214	2.6	0.52	1		4		1.0
	5	5	0.0178	0.0211	3.3	0.66	2		3		1.0
	6	5	0.0192	0.0222	3.0	0.60	2		3		1.0
	7	4	0.0174	0.0206	3.2	0.80	3		1		1.0
	8	5	0.0243	0.0274	3.1	0.62	3		2		1.0

Comments 95%

$\bar{X}$ = 0.65

CV = 0.08

R = 8

Test Number	TRAC Laboratories	Page Number

Date	Time	Operator	Mysid 7-Day Chronic Weight and Fecundity
10/8/97	1200	GX	

Prop. 7 w/. eggs

Conc.	Rep.	N	g Tare Weight	g Gross Weight	Net Weight	Mean Wt.	Females W/Eggs	Females No Eggs	# Males	# Immature	
4010	1	5	0.0243	0.0272	2.9	0.58	4		1		1.0
	2	5	0.0210	0.0239	2.9	0.58	2		3		1.0
	3	5	0.0236	0.0268	3.2	0.64	3		2		1.0
	4	5	0.0207	0.0243	3.6	0.72	3		~~1~~ 2		1.0
	5	5	0.0202	0.0233	3.1	0.62	4		1		1.0
	6	5	0.0209	0.0242	2.7	0.54	3		2		1.0
	7	5	0.0207	0.0234	2.7	0.54			5		—
	8	4	0.0216	0.0239	2.3	0.58	1		3		1.0

Comments 97.5%

$\bar{X} = 0.60$

$CV = 0.06$

$R = 7$

DISSOLVED OXYGEN AND TEMPERATURE

TRAC ID 119 Species M. bahia

	Conc (%)	DISSOLVED OXYGEN (mg/L)							
		0	24	48	72	96	120	144	168
INITIAL	C-17	7.4							
	4001	7.4							
	4002	7.4							
	4003	7.4							
	4004	7.4							
	4005	7.4							
FINAL	C-17								6.0
	4001								6.5
	4002								6.5
	4003								6.5
	4004								6.5
	4005								6.5

	Conc (%)	TEMPERATURE (°C)							
		0	24	48	72	96	120	144	168
INITIAL	C-17	21							
	4001	21							
	4002	21							
	4003	21							
	4004	21							
	4005	21							
FINAL	C-17			21					25
	4001			21					25
	4002			21					25
	4003			21					25
	4004			21					25
	4005			21					25
I = Initial F = Final		I	F/I	F/I	F/I	F/I	F/I	F/I	F/I
Operator		[illegible]		[illegible]					
Time		1200		1100					

pH AND SALINITY

TRAC ID 119 Species M. bahia

	Conc (%)	pH							
		0	24	48	72	96	120	144	168
INITIAL	C	7.9							
	4001	7.9							
	4002	7.9							
	4003	7.5							
	4004	7.9							
	4005	7.9							
		7.9							
FINAL	C								7.5
	4001								8.2
	4002								7.5
	4003								7.7
	4004								7.8
	4005								7.3

	Conc (%)	SALINITY (ppt)							
		0	24	48	72	96	120	144	168
INITIAL	C	20							20
	4001	20							20
	4002	20							20
	4003	20							20
	4004	20							20
	4005	20							20
									20
I = Initial F = Final		I	F/I	F\I	F/I	F/I	F/I	F/I	F/I
Operator		[illegible]		[illegible]					
Time		1200		1100					
Sample		4001-4005		—					
Prep		—		—					

pH AND SALINITY

TRAC ID 119 Species M. bahia

	Conc (%)	pH 0	24	48	72	96	120	144	168
INITIAL	C	7.9							
	4006	7.9							
	4007	7.9							
	4008	7.9							
	4009	7.9							
	4010	7.9							
FINAL	C								7.8
	4006								7.9
	4007								8.1
	4008								8.1
	4009								8.1
	4010								8.1

	Conc (%)	SALINITY (ppt) 0	24	48	72	96	120	144	168
INITIAL	C	20							20
	4006	20							20
	4007	20							20
	4008	20							20
	4009	22							20
	4010	23							20
									20
I = Initial F = Final		I	F/I	F\I	F/I	F/I	F/I	F/I	F/I
Operator		[illegible]		[illegible]					
Time		1200		1100					
Sample		4006-4010		4006-4010					
Prep		—		—					

DISSOLVED OXYGEN AND TEMPERATURE

TRAC ID 119 Species M. bahia

	Conc (%)	DISSOLVED OXYGEN (mg/L)							
		0	24	48	72	96	120	144	168
INITIAL	C	7.4							
	4006	7.4							
	4007	7.4							
	4008	7.4							
	4009	7.4							
	4010	7.4							
FINAL	C								6.0
	4006								6.5
	4007								6.0
	4008								6.0
	4009								6.0
	4010								6.2

	Conc (%)	TEMPERATURE (°C)							
		0	24	48	72	96	120	144	168
INITIAL	C	21							
	4006	21							
	4007	21							
	4008	21							
	4009	21							
	4010	21							
FINAL	C			21					
	4006			21					
	4007			21					
	4008			21					
	4009			21					
	4010			21					
I = Initial F = Final		I	F/I	F/I	F/I	F/I	F/I	F/I	F/I
Operator		[illegible]		[illegible]					
Time		1200		1100					

C-17

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	5 Sept 97	BK	21	7.8	7.9	20	—	—
1	9/6/97	—	—	—	—	—	—	—
2	9/7/97	—	—	—	—	—	—	—
3	9/8/97	BK	20	7.9	7.9	20	—	—
4	9/9/97	BK	—	—	—	—	—	—
5	9/10/97	BK	—	—	7.9	—	—	—
6	9/11/97	BK	—	—	—	—	—	—
7	9/12/97	BK	—	—	7.9	—	—	—
8	9/13/97	BK	—	—	—	—	—	—
9	9/14/97	—	—	—	—	—	—	—
10	9/15/97	BK	21	7.8	7.7	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	20	—	100%
2	18	2	90%
3	20	—	100%
4	19	1	95%
5	20	—	100%

97%
CV = 4

Project #: 119

Site #: C-17

Animal Batch #: LP-9701

Size 2.4 mm (initial)

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	9/5/97	[illegible]	21	7.9	7.9	20	—	—
1	9/6/97	—	—	—	—	—	—	—
2	9/7/97	—	—	—	—	—	—	—
3	9/8/97	[illegible]	20	7.9	7.9	20	—	—
4	9/9/97	[illegible]	—	—	—	—	—	—
5	9/10/97	[illegible]	—	—	7.9	—	—	—
6	9/11/97	—	—	—	—	—	—	—
7	9/12/97	[illegible]	—	7.9	7.9	—	—	—
8	9/13/97	—	—	—	—	—	—	—
9	9/14/97	—	—	—	—	—	—	—
10	9/15/97	[illegible]	21	7.9	7.7	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	20	—	100
2	19	1	95
3	20	—	100
4	20	—	100
5	20	—	100

99%
CV=2.25

Project #: 119

Site #: 40-01

Animal Batch #: LP-97-01

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	5 Sep 97	[illegible]	21	7.8	7.9	20	—	—
1	9/6/97	—	—	—	—	—	—	—
2	9/7/97	—	—	—	—	—	—	—
3	9/8/97	[illegible]	20	7.9	7.9	20	—	—
4	9/9/97	[illegible]	—	—	—	—	—	—
5	9/10/97	[illegible]	—	—	7.9	—	—	—
6	9/11/97	[illegible]	—	—	—	—	—	—
7	9/12/97	[illegible]	—	8.0	8.0	—	—	—
8	9/13/97	—	—	—	—	—	—	—
9	9/14/97	—	—	—	—	—	—	—
10	9/15/97	[illegible]	21	7.9	7.8	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	20	—	100
2	20	—	100
3	20	—	100
4	19	1	95
5	20	—	100

99%
CV = 2.2%

Project #: 119

Site #: 40-02

Animal Batch #: LP-97-01

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	5 Sept 97	[illegible]	21	7.9	7.9	20	—	—
1	9/6/97	—	—	—	—	—	—	
2	9/7/97	—	—	—	—	—	—	—
3	9/8/97	[illegible]	20	7.8	7.8	20	—	—
4	9/9/97	[illegible]	20	—	—	—	—	—
5	9/10/97	[illegible]	—	—	7.8	—	—	—
6	9/11/97	[illegible]	—	—	—	—	—	—
7	9/12/97	[illegible]	20	7.9	8.0	20	—	—
8	9/13/97	—	—	—	—	—	—	—
9	9/14/97	—	—	—	—	—	—	—
10	9/15/97	[illegible]	21	7.9	7.8	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	17	3	85%
2	16	4	80%
3	20	—	100
4	20	—	100
5	20	—	100

CV=9.7

Project #: 119

Site #: 40-03

Animal Batch #: LP-97-01

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	5 Sept 97	BJF	21	7.9	7.9	20	—	—
1	9/6/97	—	—	—	—	—	—	—
2	9/7/97	—	—	—	—	—	—	—
3	9/8/97	BJF	20	7.9	7.9	20	—	—
4	9/9/97	BJF	20	—	—	—	—	—
5	9/10/97	BJF	—	—	7.9	—	—	—
6	9/11/97	BJF	—	8.0	7.8	—	—	—
7	9/12/97	—	—	—	—	—	—	—
8	9/13/97	—	—	—	—	—	—	—
9	9/14/97	—	—	—	—	—	—	—
10	9/15/97	—	—	—	—	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	20	—	100
2	24	—	100
3	20		100
4	18	—	90
5	20		100

98%
CV = 4.4

Project #: 119

Site #: 40-04

Animal Batch #: LP-9701

Replicate 2 was loaded w/ 24 animals. BJF

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	5 Sep 97	[illegible]	21	7.9	7.9	20	—	—
1	9/6/97	—	—	—	—	—	—	—
2	9/7/97	—	—	—	—	—	—	—
3	9/8/97	[illegible]	20	7.9	7.9	20	—	—
4	9/9/97	[illegible]	20	—	—	—	—	—
5	9/10/97	[illegible]	—	—	7.9	—	—	—
6	9/11/97	[illegible]	—	7.9	8.0	20	—	—
7	9/12/97	[illegible]	—	—	—	—	—	—
8	9/13/97	—	—	—	—	—	—	—
9	9/14/97	—	—	—	—	—	—	—
10	9/15/97	[illegible]	21	7.9	7.7	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	19	1	95
2	20 *	—	100
3	20	0	100
4	20	0	100
5	17 *	—	80

90% CV=8.6

Project #: 119

Site #: 40-05

Animal Batch #: [illegible] LP-97-01

* Replicate 5 was loaded w/. 40 animals

Comments:

[redacted]

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	5 Sept 97	[illegible]	21	7.9	7.9	20	—	—
1	6 Sept 97	[illegible]	[illegible]	—	—	—	—	—
2	7 Sept 97	—	—	—	—	—	—	—
3	8 Sept 97	[illegible]	20	7.9	7.9	20	—	—
4	9 Sept 97	[illegible]	20	—	—	—	—	—
5	10 Sept 97	[illegible]	—	—	7.9	—	—	—
6	11	[illegible]	—	7.8	7.9	—	—	—
7	12	[illegible]	—	—	—	20	—	—
8	13	—	—	—	—	—	—	—
9	14	—	—	—	—	—	—	—
10	15	[illegible]	21	7.9	7.9	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	20	—	100
2	19	1	95
3	18	2	90
4	18	2	90
5	16	—	100

Project #: 19

Site #: 40-06

Animal Batch #: LP-97-01

Comments:

	Leptochierus plumulosus 10 - Day									Survival			
	Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X	Rep.	# Alive	# NF	% Survival
T	0	9/23/97	[illegible]	21	7.8	7.0	20	—	—	1	20	—	100
W	1	9/24/97	[illegible]	—	—	—	—	—	—	2	20	—	100
T	2	9/25/97	[illegible]	21	7.9	7.0	20	—	—	3	20	—	100
F	3	9/26/97	[illegible]	—	—	—	—	—	—	4	20	—	100
S	4	9/27/97	[illegible]	21	—	—	—	—	—	5	20	—	100
S	5	9/28/97	[illegible]	21	—	—	—	—	—				
M	6	9/29/97	[illegible]	21	~~8.0~~ 7.9	7.6	20	—	—				
T	7	9/30/97	[illegible]	21	—	—	—	—	—				
W	8	10/1/97	[illegible]	21	—	—	—	—	—				
T	9	10/2/97	[illegible]	21	—	—	—	—	—				
F	10	10/3/97	[illegible]	21	~~8~~ 7.9	7.5	—	—	—				

100 %

Project #: 119 (EnSafe)

Site #: C-17 (control)

Animal Batch #: LP-97-02

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	9/23/97	[illegible]	21	7.9	7.0	20	—	—
1	9/24/97	[illegible]	21	—	—	—	—	—
2	9/25/97	[illegible]	21	7.8	6.8	20	—	—
3	9/26/97	[illegible]	21	—	—	—	—	—
4	9/27/97	[illegible]	21	—	—	—	—	—
5	9/28/97	[illegible]	21	—	—	—	—	—
6	9/29/97	[illegible]	21	8.0	7.7	20	-	—
7	9/30/97	[illegible]	21	—	—	—	—	—
8	10/1/97	[illegible]	21	—	—	—	—	—
9	10/2/97	[illegible]	21	—	-	—	—	—
10	10/3/97	[illegible]	21	7.9	7.5	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	18	2	90
2	19	1	95
3	17	3	85
4	20	0	100
5	19	1	95

Project #: 119 (EnSafe)

Site #: 4007

Animal Batch #: LP-97-02

93-16
CV-570

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	9/23/97	[illegible]	21	7.9	7.0	20	—	—
1	9/24/97	[illegible]	21	—	—	—	—	—
2	9/25/97	[illegible]	21	7.9	7.0	20	—	—
3	9/26/97	[illegible]	—	—	—	—	—	—
4	9/27/97	[illegible]	21	—	—	—	—	—
5	9/28/97	[illegible]	21	—	—	—	—	—
6	9/29/97	[illegible]	21	8.0	7.7	20		-
7	9/30/97	[illegible]	21	—	—	—	—	—
8	10/1/97	[illegible]	21	—	—	—	—	—
9	10/2/97	[illegible]	21	—	—	—	—	—
10	10/3/97	[illegible]	21					

Survival			
Rep.	# Alive	# NF	% Survival
1	20	—	100
2	19	1	95
3	19	1	95
4	20	0	100
5	20	0	100

Project #: 119 (EnSafe)

Site #: 4008

Animal Batch #: LP-97-02

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	9/23/97	[illegible]	21	7.9	6.9	20	—	—
1	9/24/97	[illegible]	21	—	—	—	—	—
2	9/25/97	[illegible]	21	7.8	6.8	20	—	—
3	9/26/97	[illegible]	21	—	—	—	—	—
4	9/27/97	[illegible]	21	—	—	—	—	—
5	9/28/97	[illegible]	21	—	—	—	—	—
6	9/29/97	[illegible]	21	8.0	7.6	20		—
7	9/30/97	[illegible]	21	—	—	—	—	—
8	10/1/97	[illegible]	21	—	—	—	—	—
9	10/2/97	[illegible]	21	—	—	—	—	—
10	10/3/97	[illegible]	21	7.9	7.5	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	19	1	95
2	19	1	95
3	18	2	90
4	20	0	100
5	19	1	95

Project #: 119 (Ensafe)

Site #: 4009

Animal Batch #: LP-97-02

95.8 CV = 3.1

Comments:

Leptochierus plumulosus 10 - Day								
Day	Date	By	T°C	pH	DO mg/L	S‰	Fed	H_2O - X
0	9/23/97	[illegible]	21	8.0	6.9	20	—	—
1	9/24/97	[illegible]	21	—	—	—	—	—
2	9/25/97	[illegible]	21	8.0	6.9	20	—	—
3	9/26/97	[illegible]	—	—	—	—	—	—
4	9/27/97	[illegible]	—	—	—	—	—	—
5	9/28/97	[illegible]	21	—	—	—	—	—
6	9/29/97	[illegible]	21	8.0	7.1	20	-	-
7	9/30/97	[illegible]	21	~~8.0~~	—	—	—	—
8	10/1/97	[illegible]	21	—	—	—	—	—
9	10/2/97	[illegible]	21	—	—	—	—	—
10	10/3/97	[illegible]	21	7.9	7.5	—	—	—

Survival			
Rep.	# Alive	# NF	% Survival
1	19	1	95
2	20	—	100
3	19	1	95
4	19	1	95
5	19	1	95

Project #: 119 (Ensafe)

Site #: 4010

Animal Batch #: LP-97-02

Comments:

(TR)

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.2	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	8.0	7.2	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.8	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.8	7.2	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.5	5.5	28	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	6.9	28	—	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.8	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (~~mg~~) g	Gross Wt. (~~mg~~) g	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	982.0	1.0251	43.1	8.6
2	5	100	989.0	1.0317	42.7	8.5
3	5	100	992.7	1.0147	52.0	10.4
4	5	100	996.5	1.0510	54.5	10.9
5	5	100	1011.4	1.0663	54.9	11.0

Project #: 119

Site #: C-17

Animal Batch #: Na-97-02

Comments:

(15)

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.0	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	8.0	7.0	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.9	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.9	7.0	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.6	5.8	—	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.7	6.9	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.7	6.4	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0551	1.1033	48.2	9.6
2	5	100	1.0517	1.0922	40.5	8.1
3	5	100	1.0514	1.1124	61.0	12.2
4	5	100	1.0673	1.1161	48.8	9.8
5	5	100	1.0518	1.1184	66.6	13.3

Project #: 119

Site #: 4006

Animal Batch #: Na-97-02

Comments:

(16)

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.2	27	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	8.0	7.2	27	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	8.1	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	8.0	7.0	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.9	5.8	—	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.9	7.0	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	21	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.9	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0584	1.1053	46.9	9.4
2	5	100	1.0729	1.1351	62.2	12.4
3	5	100	1.0309	1.1561	75.1	15.0
4	5	100	1.0741	1.1399	65.8	13.2
5	5	100	1.0923	1.1542	61.9	12.4

Project #: 119

Site #: 4007

Animal Batch #: Na-97-02

Comments:

(17)

	Neanthes arenaceodentata 20 - Day									
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.2	27	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	8.0	7.1	27	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.9	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	8.0	7.2	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.9	5.5	28	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	7.0	28	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.5	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0302	1.1387	58.5	11.7
2	5	100	1.0938	1.1467	52.9	10.6
3	5	100	1.0849	1.1412	56.3	11.3
4	5	100	1.0962	1.1574	61.2	12.2
5	5	100	1.0598	1.1209	61.1	12.2

Project #: 119

Site #: 4008

Animal Batch #: Na-97-02

Comments:

13

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.2	27	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	8.0	7.0	27	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	8.1	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	8.0	7.0	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.7	5.2	-	✓	—
T	14	9/30/97	[illegible]	21	-	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	7.0	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.9	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	~~5~~ 6	100	1.0219	1.0807	58.8	9.8
2	5	100	1.0227	1.0842	61.5	12.3
3	5	100	1.0217	1.0767	55.0	11.0
4	5	100	1.0176	1.0636	51.0	10.2
5	5	100	1.0179	1.0599	42.0	8.4

Project #: 119

Site #: 4009

Animal Batch #: Na-97-02

Comments:

(19)

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.2	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	8.0	7.2	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	8.1	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	8.0	7.0	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.9	5.2		✓	—
T	14	9/30/97	[illegible]	21	7.8	7.0	—	—	—
W	15	10/1/97	[illegible]	↓ 21	↓ [illegible]	↓ [illegible]	28	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	—	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.8	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. ~~(mg)~~	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0183	1077.8	59.5	11.9
2	5	100	1.0292	1068.7	39.5	7.9
3	5	100	1.0249	1066.9	42.0	8.4
4	5	100	1.0217	1066.2	44.5	8.9
5	5	100	1.0180	1071.0	53.0	10.6

Project #: 119

Site #: 4080

Animal Batch #: Na-97-02

Comments:

119 neon 3.gwt

Neanthes arena. 9/16-10/6/97
File: 119na3.gwt Transform: NO TRANSFORMATION

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	30.632	6.126	2.392
Within (Error)	24	61.480	2.562	
Total	29	92.112		

Critical F value = 2.62 (0.05,5,24)
Since F < Critical F FAIL TO REJECT Ho:All groups equal

Neanthes arena. 9/16-10/6/97
File: 119na3.gwt Transform: NO TRANSFORMATION

DUNNETTS TEST - TABLE 1 OF 2 Ho:Control<Treatment

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1	C17	9.880	9.880		
	4006	10.600	10.600	-0.711	
3	4007	12.480	12.480	-2.569	
4	4008	11.600	11.600	-1.699	
5	4009	10.340	10.340	-0.454	
6	4010	9.540	9.540	0.336	

Dunnett table value = 2.36 (1 Tailed Value, P=0.05, df=24,5)

Neanthes arena. 9/16-10/6/97
File: 119na3.gwt Transform: NO TRANSFORMATION

DUNNETTS TEST - TABLE 2 OF 2 Ho:Control<Treatment

GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	C17	5			
2	4006	5	2.389	24.2	-0.720
3	4007	5	2.389	24.2	-2.600
4	4008	5	2.389	24.2	-1.720
5	4009	5	2.389	24.2	-0.460
6	4010	5	2.389	24.2	0.340

Neanthes arena. 9/16-10/6/97
File: 119na3.gwt Transform: NO TRANSFORMATION

piro Wilks test for normality

D = 61.480

W = 0.983

Critical W (P = 0.05) (n = 30) = 0.927
Critical W (P = 0.01) (n = 30) = 0.900

Data PASS normality test at P=0.01 level. Continue analysis.

Neanthes arena. 9/16-10/6/97
File: 119na3.gwt Transform: NO TRANSFORMATION

Bartletts test for homogeneity of variance

Calculated B statistic = 4.93
Table Chi-square value = 15.09 (alpha = 0.01)
Table Chi-square value = 11.07 (alpha = 0.05)

erage df used in calculation ==> df (avg n - 1) = 4.00
d for Chi-square table value ==> df (#groups-1) = 5

Data PASS homogeneity test at 0.01 level. Continue analysis.

NOTE: If groups have unequal replicate sizes the average replicate size is used to calculate the B statistic (see above).

80

	Neanthes arenaceodentata 20 - Day									
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	~~7.9~~ 21	~~7.2~~ 7.9	~~28~~ 7.2	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	7.8	7.2	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.8	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.8	7.4	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.5	5.8	—	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	6.9	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.8	7.0	—	—	—

1002 Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1024.1	1.0802	56.1	11.2
2	5	100	1021.5	1.0938	72.3	14.5
3	5	100	1022.9	1.0849	62.0	12.4
4	5	100	1012.0	1.0962	84.2	16.8
5	5	100	997.9	1.0598	61.9	12.4

Project #: 119

Site #: C-17

Animal Batch #: Na-97-02

Comments:

(10)

	Neanthes arenaceodentata 20 - Day									
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.0	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	7.9	7.0	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	8.0	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.9	7.0	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.4	5.2	-	✓	—
T	14	9/30/97	[illegible]	21	-	-	-	—	—
W	15	10/1/97	[illegible]	21	7.8	7.0	-	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.9	—	—	—

	Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	✓	100	1.0679	1.1276	59.7	11.9
2	5	100	1.0233	1.0972	33.9	6.8
3	5	100	1.0279	1.0753	47.4	9.5
4	5	100	1.0186	1.0681	49.5	9.9
5	4	80	1.0264	~~1.0358~~ 1.0558	~~9.4~~ 29.4	~~1.2~~ 7.3

Reweigh - 8

Project #: 119

Site #: 4001

Animal Batch #: Na-97-02

Comments:

(11)

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.0	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	7.9	7.0	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.8	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.7	7.0	2.8	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.6	5.8	.	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	7.2	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.7	7.0	—	—	—

	Survival, Growth					
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0528	1.1144	61.6	12.3
2	5	100	1.0691	1.1226	43.5	8.7
3	5	100	1.0553	1.1006	45.3	9.1
4	5	100	1.0709	1.1188	47.9	9.6
5	5	100	1.0585	1.1110	52.5	10.5

Project #: 119

Site #: 4002

Animal Batch #: Na-97-02

Comments:

(12)

	Neanthes arenaceodentata 20 - Day								
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	7.9	7.2	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	7.9	7.2	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	8.1	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.9	7.3	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.4	5.6	28	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	7.0	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.7	7.1	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0628	1.0963	33.5	6.7
2	5	100	1.0533	1.1198	61.0	12.2
3	5	100	1.0385	1.0771	38.6	7.7
4	5	100	1.0430	1.0807	37.7	7.5
5	5	100	1.0486	1.1070	58.4	11.7

Project #: 119

Site #: 4003

Animal Batch #: Na-97-02

Comments:

(13)

Neanthes arenaceodentata 20 - Day

	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	7.9	7.2	27	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	7.9	7.1	27	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.9	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.9	7.0	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.3	5.4	—	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.3	7.0	28	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	—	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	6.9	—	—	—

Survival, Growth

Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0455	1.1293	83.8	16.8
2	5	100	1.0494	1.1066	57.2	11.4
3	5	100	1.0613	1.1296	68.3	13.7
4	5	100	1.0421	1.1187	76.6	15.3
5	5	100	1.0412	1.0843	43.0	8.6

Project #: 119

Site #: 4004

Animal Batch #: Na-97-02

Comments:

(14)

	Neanthes arenaceodentata 20 - Day									
	Day	Date	By	T°C	pH	DO mg/L	S ‰	Fed	H_2O
T	0	9/16/97	[illegible]	21	8.0	7.2	28	—	—
W	1	9/17/97	[illegible]	21	—	—	—	✓	—
T	2	9/18/97	[illegible]	21	7.9	7.2	28	—	—
F	3	9/19/97	[illegible]	21	—	—	—	✓	—
S	4	9/20/97	[illegible]	21	—	—	—	—	—
S	5	9/21/97	[illegible]	21	—	—	—	—	—
M	6	9/22/97	[illegible]	21	—	—	—	✓	—
T	7	9/23/97	[illegible]	21	7.9	7.0	28	—	X
W	8	9/24/97	[illegible]	21	—	—	—	✓	—
T	9	9/25/97	[illegible]	21	7.9	7.2	28	—	—
F	10	9/26/97	[illegible]	21	—	—	—	✓	—
S	11	9/27/97	[illegible]	21	—	—	—	—	—
S	12	9/28/97	[illegible]	21	—	—	—	—	—
M	13	9/29/97	[illegible]	21	7.5	5.5	—	✓	—
T	14	9/30/97	[illegible]	21	—	—	—	—	—
W	15	10/1/97	[illegible]	21	7.8	7.0	—	✓	X
T	16	10/2/97	[illegible]	21	—	—	—	—	—
F	17	10/3/97	[illegible]	21	—	—	—	✓	—
S	18	10/4/97	[illegible]	~~21~~	—	—	—	—	—
S	19	10/5/97	[illegible]	—	—	—	—	—	—
M	20	10/6/97	[illegible]	21	7.9	7.0	—	—	—

Survival, Growth						
Rep.	# Alive	% Survival	Tare Wt. (mg)	Gross Wt. (mg)	Net Wt. (mg)	Individual Wt. (mg)
1	5	100	1.0501	1.1089	58.8	11.8
2	5	100	1.0411	1.1139	72.8	14.6
3	5	100	1.0710	1.1571	86.1	17.3
4	5	100	1.0551	1.1384	83.3	16.7
5	5	100	1.0504	1.1108	60.4	12.1

Project #: 119

Site #: 4005

Animal Batch #: Na-97-02

Comments:

119na 2.gwt

Neanthes arena. growth 9/16-10/6/97
File: 119na2.gwt Transform: NO TRANSFORM

ANOVA TABLE

SOURCE	DF	SS	MS	F
Between	5	144.675	28.935	4.996
Within (Error)	24	138.988	5.791	
Total	29	283.663		

Critical F value = 2.62 (0.05,5,24)
Since F > Critical F REJECT Ho:All groups equal

Neanthes arena. growth 9/16-10/6/97
File: 119na2.gwt Transform: NO TRANSFORM

DUNNETTS TEST - TABLE 1 OF 2 Ho:Control<Treatment

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG
1	C17	13.460	13.460		
	4001	9.100	9.100	2.865	*
3	4002	10.040	10.040	2.247	
4	4003	9.160	9.160	2.825	*
5	4004	13.160	13.160	0.197	
6	4005	14.500	14.500	-0.683	

Dunnett table value = 2.36 (1 Tailed Value, P=0.05, df=24,5)

Neanthes arena. growth 9/16-10/6/97
File: 119na2.gwt Transform: NO TRANSFORM

DUNNETTS TEST - TABLE 2 OF 2 Ho:Control<Treatment

GROUP	IDENTIFICATION	NUM OF REPS	Minimum Sig Diff (IN ORIG. UNITS)	% of CONTROL	DIFFERENCE FROM CONTROL
1	C17	5			
2	4001	5	3.592	26.7	4.360
3	4002	5	3.592	26.7	3.420
4	4003	5	3.592	26.7	4.300
5	4004	5	3.592	26.7	0.300
6	4005	5	3.592	26.7	-1.040

Neanthes arena. growth 9/16-10/6/97
File: 119na2.gwt Transform: NO TRANSFORMATION

piro Wilks test for normality

D = 190.820

W = 0.956

Critical W (P = 0.05) (n = 30) = 0.927
Critical W (P = 0.01) (n = 30) = 0.900

Data PASS normality test at P=0.01 level. Continue analysis.

Neanthes arena. growth 9/16-10/6/97
File: 119na2.gwt Transform: NO TRANSFORMATION

Bartletts test for homogeneity of variance

Calculated B statistic = 4.31
Table Chi-square value = 15.09 (alpha = 0.01)
Table Chi-square value = 11.07 (alpha = 0.05)

rage df used in calculation ==> df (avg n - 1) = 4.00
d for Chi-square table value ==> df (#groups-1) = 5

Data PASS homogeneity test at 0.01 level. Continue analysis.

NOTE: If groups have unequal replicate sizes the average replicate size is used to calculate the B statistic (see above).

APPENDIX B

APPENDIX B

Summary of test conditions and results of the monthly reference toxicity test exposing the mysid, *Mysidopsis bahia* to the reference toxicant, Sodium Dodecyl Sulfate (SDS) in a 48-hour static acute test.

Source of test animal:	TRAC cultures
Lot Number and age of animals used:	MB-97-A123, 5 days old
Control and dilution water:	Natural seawater at 20 ppt
Test material description:	White powder
Concentrations (ppm) of SDS tested:	1.25, 2.5, 5.0, 10.0, and 20.0
Effect criterion:	Mortality

Results of LC50 Calculations

Method	48-h LC50	95% Confidence Limits Lower	Upper
Binomial	****	****	****
Moving Average	****	****	****
Probit	9.16	7.52	11.19
Logit	****	****	****
TSK	****	****	****

Test Dates	Age of Animals (Days)	LC50 Values (milligrams per liter)
02-04 Aug 91 (1)	4	5.2(4.2-6.5)
27-29 Sep 91 (2)	3	5.4(2.5-10.0)
13-15 Nov 91 (3)	4	3.7(2.5-5.0)
03-05 Jan 92 (4)	5	6.2(5.0-10.0)
18-20 Feb 92 (5)	4	5.1(4.0-6.4)
24-26 Mar 92 (6)	5	5.5(4.3-7.3)
24-26 Apr 92 (7)	2	4.2(3.1-5.4)
24-26 Jun 92 (8)	5	6.0(4.7-7.7)
25-27 Aug 92 (9)	5	8.4(6.6-11.6)
14-16 Sep 92 (10)	4	8.5(6.3-12.8)
03-05 Nov 92 (11)	3	3.1(2.5-3.8)
07-09 Jan 93 (12)	5	8.8(7.1-10.9)
20-22 Jan 93 (13)	1-2	8.5(6.3-11.9)
16-18 Mar 93 (14)	4	6.2(4.6-9.6)
03-05 May 93 (15)	4	8.1(6.6-9.8)

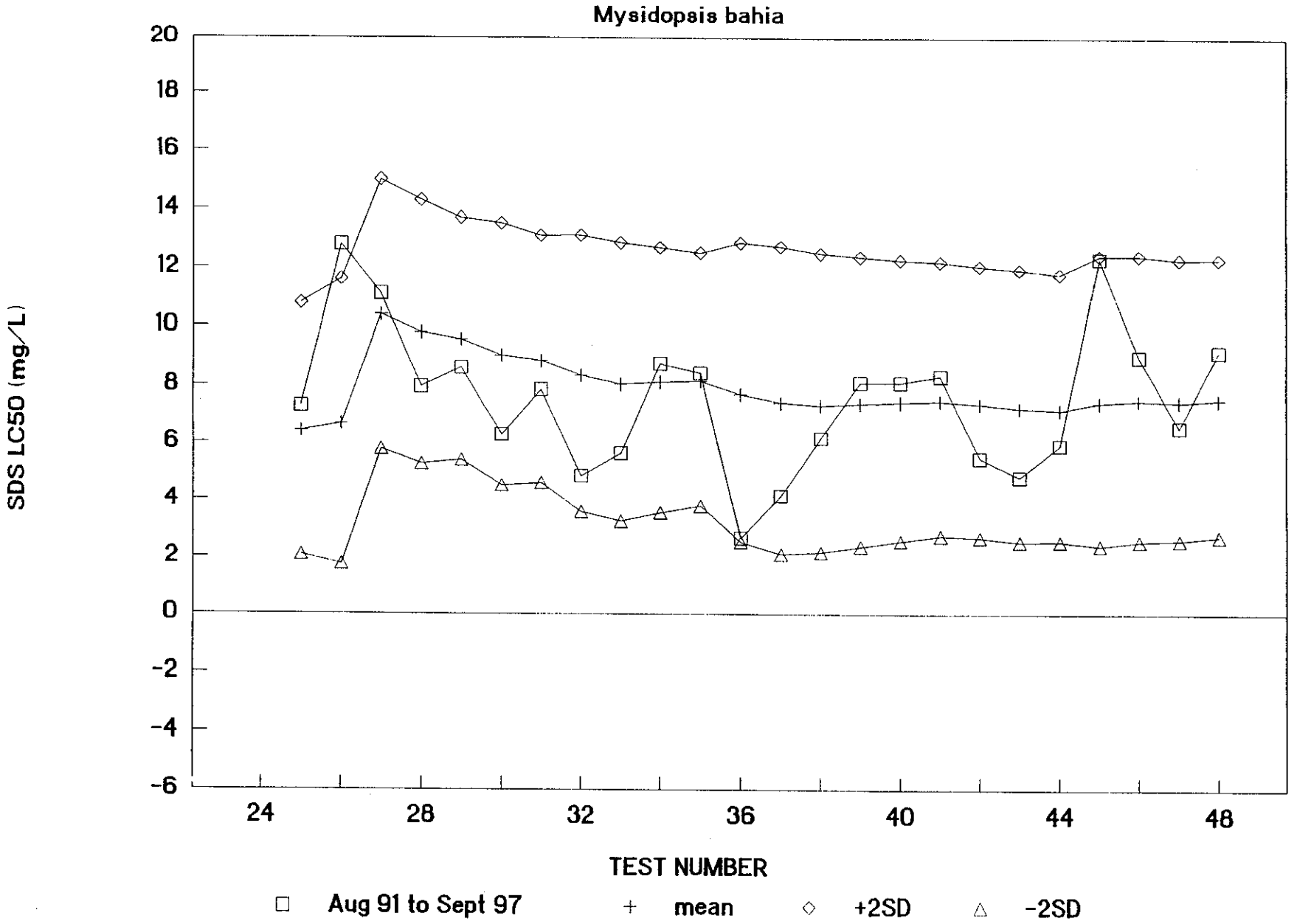
21-23 Jul 93 (16)	2	5.9(4.7-7.6)
23-25 Aug 93 (17)	3-4	3.5(2.7-4.4)
18-20 Oct 93 (18)	3	6.3(5.2-7.8)
27-29 Jan 94 (19)	4	6.8(4.8-10.4)
27-29 Apr 94 (20)	3	6.1(4.8-7.8)
27-29 Jul 94 (21)	3	6.7(5.4-8.3)
08-10 Nov 94 (22)	3	13.9(10.1-19.2)
12-14 Jan 95 (23)	3	6.7(6.0-7.5)
15-17 Mar 95 (24)	3	4.9(4.1-5.9)
24-26 Apr 95 (25)	5	7.3(6.0-8.8)
08-10 May 95 (26)	4	12.8(11.5-14.3)
16-18 Aug 95 (27)	5	11.1(9.4-13.1)
13-15 Sep 95 (28)	4	8.0(6.5-9.5)
02-04 Nov 95 (29)	3	8.6(7.1-10.4)
01-03 Dec 95 (30)	4	6.3(5.3-7.5)
08-10 Jan 96 (31)	3	7.8(5.9-10.5)
27-29 Feb 96 (32)	4	4.8(4.0-5.9)
20-22 Mar 96 (33)	4	5.6(3.9-7.1)
25-27 Apr 96 (34)	5	8.7(6.6-10.9)
29-31 May 96 (35)	5	8.4(6.3-11.2)
19-21 Jun 96 (36)	3	4.2(3.6-4.8)
29-31 Jul 96 (37)	5	6.2(4.9-7.5)
27-29 Aug 96 (38)	3	5.8(4.7-7.1)
25-27 Sep 96 (39)	4	8.1(6.8-9.7)
29-31 Oct 96 (40)	5	8.1(6.2-10.0)
25-27 Nov 96(41)	5	8.3(6.9-10.1)
31 Dec-2 Jan 97(42)	3	5.5(4.5-6.7)
28 Feb-2 Mar 97 (43)	3	4.8(4.1-5.6)
17-19 Apr 97 (44)	2	5.9(3.8-8.8)
02-03 June 97(45)	2	12.3(10.9-13.9)
24-26 June 97(46)	5	9.0(6.5-14.4)
30 Jul-1 Aug 97(47)	4	6.6(5.0-10.0)
09-11 Sept 97(48)	5	9.2(7.5-11.2)

Reference:

U.S. Environmental Protection Agency. 1993. Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms. Fourth Edition. EPA 600/4-90/027F, Cincinnati, OH.

Hamilton, M. A., R. C. Russo and R. V. Thurston. 1977. Trimmed Spearman-Karber Method for Estimating median Lethal Concentrations in Toxicity Bioassays. Environ. Sci. Technol. 11(7): 714-719; correction 12(4):417 (1978).

CONTROL CHART



TRIMMED SPEARMAN-KARBER METHOD. VERSION 1.5

DATE: 8/18/97 TEST NUMBER: CdCl DURATION: 48 h
TOXICANT : CdCl
SPECIES: N.arenaceodentata

RAW DATA: ---	Concentration (mg/L)	Number Exposed	Mortalities
	.00	10	0
	2.50	10	0
	5.00	10	0
	10.00	10	0
	20.00	10	10
	40.00	10	10

SPEARMAN-KARBER TRIM: .00%

SPEARMAN-KARBER ESTIMATES: LC50: 14.14
95% CONFIDENCE LIMITS
ARE NOT RELIABLE.

TRIMMED SPEARMAN-KARBER METHOD. VERSION 1.5

DATE: 9/8/97 TEST NUMBER: 1 DURATION: 48 h
TOXICANT : CdCl
SPECIES: L.plumulosus

RAW DATA: ---	Concentration (mg/L)	Number Exposed	Mortalities
	.00	20	0
	.25	20	0
	.50	20	0
	1.00	20	0
	2.00	20	0
	4.00	20	5
	8.00	20	14

SPEARMAN-KARBER TRIM: 30.00%

SPEARMAN-KARBER ESTIMATES: LC50: 5.88
95% LOWER CONFIDENCE: 4.72
95% UPPER CONFIDENCE: 7.32