

# THE MEMPHIS DEPOT TENNESSEE

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 378

*Part III of III*

**IMPORTED CLEAN BACKFILL (TOP SOIL)  
CONFIRMATION SAMPLE**

*Date Collected 09/08/98*

**RA-TS-005**



3781294  
ENVIRONMENTAL TESTING & CONSULTING, INC.  
2921 Walnut Grove Road • Memphis, TN 38111 • 901-327-2750 • FAX 901-327-0331  
Founded 1972

September 11, 1998

Ms. Elena Rodriguez  
OHM Remediation Services  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Ref: Analytical Testing  
ETC Order # 9809235  
Project Description DDMT

Project # 20560 Defense Depot - Memphis, TN

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read 'N. Pera'.

Nathan A. Pera, IV  
Chief Executive Officer

rt  
Attachment

OHM\_DDMT

3781295

# Chemical Analytical Data Review/Evaluation/Validation

SOUTHERN REGION

Report Type: ☐ Preliminary ☒ Final Date Received: \_\_\_\_\_ Project Number: 920560  
 Project Name: DDMT Analysis/Method: TAL metals, TCL voca, P, PCB, P1, etc.  
 Laboratory: ETZ Lab Project/Case Number: 9809235  
 Sample Number(s): RA-T5-005

Evaluated By: S. Parashar Date Evaluated: 1/15/99  
 Data Package Deliverables Requirement: ☐ OHM Minimum ☐ OHM Standard ☒ OHM Maximum  
☐ Other, please describe \_\_\_\_\_

Quality Control Deliverables	Required	Received	Passed	Failed
PQL, MDL, RL, etc meets DQOs		✓	✓	✓
Comment: <u>Some RLS are higher for VOA, BNA, Pest, PCB and some</u>				
Holding Times			✓	✓
Comment:				
Sample Condition (preservatives, containers, temperature, etc) / Case Narrative	X		✓	
Comment:				
Surrogate Recoveries	X		✓	✓
Comment: <u>some failed, matrix effect demonstrated.</u>				
Lab Control Sample Recoveries	X		✓	✓
Comment: <u>some high on Pest, sample results N/A. Data accepted</u>				
Lab Control Sample Duplicate or Other Spike Recoveries	X			
Comment:				
Lab Control Sample Duplicate or Other Laboratory Duplicate RPD	X			
Comment:				
Matrix Spike Recoveries	X		✓	✓
Comment: <u>some failed, ms + LCS ok data accepted</u>				
Matrix Spike Duplicate Recoveries	X		✓	✓
Comment: <u>see note in ms Recoveries</u>				
Matrix Spike / Matrix Spike Duplicate RPD	X		✓	✓
Comment:				
Laboratory Blanks (daily, method, instrument)	X		✓	
Comment:				
Field Blanks (trip, eqpt rinsate, ambient, matrix)	X			
Comment: <u>N/A</u>				



3781296

Quality Control Deliverables	Required	Received	Passed	Failed	
Field Duplicates RPD	X				
Comment:					
Second Source Check					
Comment:					
Second Column Confirmation	X		✓		
Comment:					
Percent Moisture/Solids	X		✓		
Comment:					
Initial / Continuing Calibrations	X		✓		
Comment: some failed, data flagged 'J' and accepted.					
Internal Standard Areas and Retention Times (Organics Only)	X		✓		
Comment:					
Chromatograms	X		✓		
Comment:					
Sample Prep Worksheets	X		✓		
Comment:					
Raw Data Calculations	X		✓		
Comment:					
Laboratory Duplicates	X		✓		
Comment:					
Instrument Performance Checks (Organics Only)	X		✓		
Comment:					
Tentatively Identified Compounds (TICs)	X		✓		
Comment:					
Completeness	# Samples	# Analyses	Tot # Analyses	Tot # Accept Analyses	% Complete
Completeness = (Tot # Analyses / Tot # Accepted Analyses) x 100	1	7	7	7	100

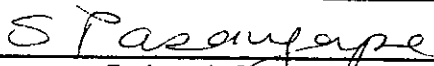
General Comments:

Summary: ☐ See attached pages

Results flagged J for calib. failure (out of control) and accepted

Check Applicable:

- ☐ Lab contacted--Corrective actions in process      Date Contacted: \_\_\_\_\_  
☐ Corrective actions received and accepted      Date Received/Accepted: \_\_\_\_\_  
☐ The data, as reported by the laboratory, are acceptable.  
☒ The data, with qualifiers as described in the "Summary" portion of this report, are acceptable.  
☐ The data are unacceptable.  
☐ Other \_\_\_\_\_

  
 Evaluator's Signature

1/15/79  
 Date

**Environmental Testing & Consulting, Inc.**  
**Data Qualifiers for Organic Reporting**

Within the attached report, some analytical data may be reported as "Qualified Data" as indicated by a "Data Qualifier" next to the result. This table summarizes the possible "Data Qualifiers" that may be associated with this report.

<b>Q</b>	Surrogate Recovery Outside QC Limits
<b>J</b>	Estimated Value. Presence of the compound was confirmed but less than the reported detection limit.
<b>E</b>	Concentration exceeds the established method calibration range but is within the working range of the instrument.
<b>B</b>	Analyte detected in the associated Method Blank.
<b>U</b>	Reported result was unconfirmed. Refer to Case Narrative.
<b>N</b>	Non-Compliance Report associated with this sample or project.
<b>C</b>	Result reported from GC/MS confirmation analysis.
<b>*</b>	QC Data (percent recovery/RPD for a particular analyte was outside QC Limits)

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
 2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ANALYTICAL SUMMARY TABLE**

3781298

Client Name OHM Remediation Services  
 Site ID DDMT  
 Memphis, TN

ETC				
<u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>
980923501	RA-TS-005	SOIL	6010B	Silver
980923501	RA-TS-005	SOIL	6010B	Aluminum
980923501	RA-TS-005	SOIL	7060A	Arsenic
980923501	RA-TS-005	SOIL	8270C	GC/MS Base/Neutral & Acid
980923501	RA-TS-005	SOIL	6010B	Barium
980923501	RA-TS-005	SOIL	6010B	Beryllium
980923501	RA-TS-005	SOIL	6010B	Calcium
980923501	RA-TS-005	SOIL	6010B	Cadmium
980923501	RA-TS-005	SOIL	9010A	Cyanide
980923501	RA-TS-005	SOIL	6010B	Cobalt
980923501	RA-TS-005	SOIL	6010B	Chromium
980923501	RA-TS-005	SOIL	6010B	Copper
980923501	RA-TS-005	SOIL	6010B	Iron
980923501	RA-TS-005	SOIL	7471A	Mercury
980923501	RA-TS-005	SOIL	6010B	Potassium
980923501	RA-TS-005	SOIL	6010B	Magnesium
980923501	RA-TS-005	SOIL	6010B	Manganese
980923501	RA-TS-005	SOIL	6010B	Sodium
980923501	RA-TS-005	SOIL	6010B	Nickel
980923501	RA-TS-005	SOIL	D2974-87	Fractional Organic Matter
980923501	RA-TS-005	SOIL	8081A	Organochlorine Pesticides
980923501	RA-TS-005	SOIL	7421	Lead
980923501	RA-TS-005	SOIL	8082	PCBs
980923501	RA-TS-005	SOIL	9045C	pH - Corrosivity
980923501	RA-TS-005	SOIL	6010B	Antimony
980923501	RA-TS-005	SOIL	7740	Selenium
980923501	RA-TS-005	SOIL	7841	Thallium
980923501	RA-TS-005	SOIL	8260B	GC/MS Volatile Organics
980923501	RA-TS-005	SOIL	6010B	Vanadium
980923501	RA-TS-005	SOIL	6010B	Zinc

3781299

**Environmental Testing & Consulting, Inc.**

**Login**  
**Chain-of-Custody**

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3781301

## COOLER RECEIPT FORM

Cooler Receipt Form  
9808235 CRF p 1LIMS # 9809-235Number of Coolers 1Date Received 09/08/98VDTSR 09/08/98 16 40PROJECT DDMT

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

A PRELIMINARY EXAMINATION PHASE Date cooler was opened 09/08/98  
by (print) Lynette Bugg (sign) [Signature]

1 Did cooler come with a shipping slip (airbill, etc)? NO  
If YES, enter carrier name & airbill number \_\_\_\_\_

2a Were custody seals on outside of cooler? NO  
2b Were custody seals on sample containers? NO

3 Were custody seals unbroken and intact at the date and time of arrival? NA

4 Did you screen samples for radioactivity using a Geiger Counter? NO

5 Were custody papers sealed in a plastic bag & taped inside to the lid? NO

6 Were custody papers filled out properly (ink, signed, etc)? YES

7 Did you sign custody papers in the appropriate place? YES

8 Was project identifiable from custody papers? If YES, enter project name at top of this form YES

9 If required, was enough ice used? cooler temp <40C, Type of ice Crushed YES

10 Have designated person initial here to acknowledge receipt of cooler LB date 09/08/98

B LOG-IN PHASE Date samples were logged-in 09/08/98  
by (print) Lynette Bugg (sign) [Signature]

11 Describe type of packing in cooler Bubble Wrap, Baggies and Ice

12 Were all bottles sealed in separate plastic bags? YES

13 Did all bottles arrive unbroken and were labels in good condition? YES

14 Were all bottle labels complete (ID, date, time, signature, preserved, etc)? YES

15 Did all bottle labels agree with custody papers? YES

16 Were correct containers used for the tests indicated? YES

17 Were correct preservatives added to samples? YES

18 Was a sufficient amount of sample sent for tests indicated? YES

19 Were bubbles absent in VOA samples? If NO, list by sample# NA

20 Was the project manager called and status discussed? If YES, give details on the back of this form NO

21 Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_\_

VDTSR - Validated Date/Time of Sample Receipt (Date sample is logged into LIMS system)

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3781302

**Environmental Testing & Consulting, Inc.**

## **Sample Reports**

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3781303

ENVIRONMENTAL TESTING & CONSULTING, INC.  
Memphis, TN  
INORGANIC ANALYSIS DATA SHEET  
PERCENT SOLIDS

Client Name :OHM Remediation Services  
Project Name :DDMT

Date Sample Received :09/08/98  
Contract Laboratory Order Number :9809-235

<u>Contract Lab</u> <u>Sample No</u>	<u>Field</u> <u>ID</u>	<u>Date</u> <u>Sampled</u>	<u>Result</u> <u>Units : ( % )</u>	<u>Date</u> <u>Analyzed</u>	<u>Method</u>	<u>By</u>
9809-235-01	RA-TS-005	09/08/98	87	09/09/98	160.3	MC

  
LABORATORY MANAGER

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3781304

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/08/98  
ETC Order Number 9809235

ETC Lab ID **9809235-01**  
**Sample ID: RA-TS-005**

Matrix :SOIL  
Sample Date :09/08/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1 00		09/10/98 GD	9010A
Fractional Organic Matter	1.45	%	0		09/10/98 BA	D2974-87
pH - Corrosivity	5.9	SU			09/10/98 TL	9045C

  
LABORATORY MANAGER

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3781305

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/08/98  
 ETC Order Number 9809235

ETC Lab ID **9809235-01**  
**Sample ID: RA-TS-005**

Matrix :SOIL  
 Sample Date :09/08/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-12				NR	3051
Mercury Digestion Batch	V4-SO-32				RM	7471A
Silver	ND	mg/Kg	0.700	14:23	09/10/98	TD 6010B
Aluminum	12,700	mg/Kg	4.00	14:50	09/10/98	TD 6010B
Arsenic	10.4	mg/Kg	0.200	13:45	09/10/98	JF 7060A
Barium	107	mg/Kg	0.200	14:23	09/10/98	TD 6010B
Beryllium	0.502	mg/Kg	0.100	14:23	09/10/98	TD 6010B
Calcium	1,090	mg/Kg	1.00	14:23	09/10/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	14:23	09/10/98	TD 6010B
Cobalt	7.10	mg/Kg	0.700	14:23	09/10/98	TD 6010B
Chromium	15.9	mg/Kg	0.700	14:23	09/10/98	TD 6010B
Copper	17.3	mg/Kg	0.600	14:23	09/10/98	TD 6010B
Iron	21,900	mg/Kg	0.700	14:50	09/10/98	TD 6010B
Mercury	0.026	mg/Kg	0.020	13:07	09/11/98	RM 7471A
Potassium	916	mg/Kg	20.0	14:23	09/10/98	TD 6010B
Magnesium	2,690	mg/Kg	3.00	14:23	09/10/98	TD 6010B
Manganese	570	mg/Kg	0.200	14:23	09/10/98	TD 6010B
Sodium	227	mg/Kg	20.0	14:23	09/10/98	TD 6010B
Nickel	16.7	mg/Kg	1.50	14:23	09/10/98	TD 6010B
Lead	11.0	mg/Kg	0.100	14:04	09/10/98	TD 7421
Antimony	ND	mg/Kg	3.20	14:23	09/10/98	TD 6010B
Selenium	ND	mg/Kg	0.200	09:43	09/11/98	JF 7740
Thallium	0.222	mg/Kg	0.100	12:42	09/11/98	JF 7841
Vanadium	24.3	mg/Kg	0.800	14:23	09/10/98	TD 6010B
Zinc	57.3	mg/Kg	1.00	14:23	09/10/98	TD 6010B

  
 LABORATORY MANAGER

JC0009

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781306

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 09/08/98  
ETC Order Number 9809235

ETC Lab ID 9809235-01  
**Sample ID: RA-TS-005**

Matrix :SOIL  
Sample Date :09/08/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Volatile Organics				09/09/98	09/09/98	LS	8260B
QC Batch	V1090901	ug/Kg					
Acetone	ND	ug/Kg	50.0				
Benzene	ND	ug/Kg	2.00				
Bromodichloromethane	ND	ug/Kg	2.00				
Bromoform	ND	ug/Kg	2.00				
Bromomethane	ND	ug/Kg	2.00				
Carbon Disulfide	ND	ug/Kg	25.0				
Carbon Tetrachloride	ND	ug/Kg	2.00				
Chlorobenzene	ND	ug/Kg	2.00				
Chlorodibromomethane	ND	ug/Kg	2.00				
Chloroethane	ND	ug/Kg	2.00				
Chloroform	ND	ug/Kg	2.00				
Chloromethane	ND	ug/Kg	2.00				
1,1-Dichloroethane	ND	ug/Kg	2.00				
1,2-Dichloroethane	ND	ug/Kg	2.00				
1,1-Dichloroethene	ND	ug/Kg	2.00				
trans-1,2-Dichloroethene	ND	ug/Kg	2.00				
1,2-Dichloropropane	ND	ug/Kg	2.00				
cis-1,3-Dichloropropene	ND	ug/Kg	2.00				
trans-1,3-Dichloropropene	ND	ug/Kg	2.00				
Ethylbenzene	ND	ug/Kg	2.00				
2-Hexanone (MBK)	ND	ug/Kg	50.0				
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	50.0				
2-Butanone (MEK)	ND	ug/Kg	50.0				
Methylene Chloride	ND	ug/Kg	50.0				
Styrene	ND	ug/Kg	2.00				
1,1,2,2-Tetrachloroethane	ND	ug/Kg	2.00				
Tetrachloroethene	ND	ug/Kg	2.00				
Toluene	ND	ug/Kg	2.00				
1,1,1-Trichloroethane	ND	ug/Kg	2.00				
1,1,2-Trichloroethane	ND	ug/Kg	2.00				
Trichloroethene	ND	ug/Kg	2.00				
Vinyl Acetate	ND	ug/Kg	25.0				
Vinyl Chloride	ND	ug/Kg	2.00				
o-Xylenes	ND	ug/Kg	2.00				
m-Xylenes	ND	ug/Kg	2.00				
p-Xylenes	ND	ug/Kg	2.00				
cis-1,2-Dichloroethene	ND	ug/Kg	2.00				

Surrogate Standard	% Recovery	QC Limits	
S1 - Dibromofluoromethane	102	85	119
S2 - Toluene-d8	98	87	114
S3 - 4-Bromofluorobenzene	108	75	111

  
LABORATORY MANAGER

ND - Not Detected

J50010

3781307

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-235-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 4.4 (g/mL) G

Lab File ID: 1001010

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 09/09/98

GC Column: ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 54725-17-6	BENZENE, 2-HEPTYNYL-	21.82	12.5	NJ
2. 21693-54-9	NAPHTHALENE, 1,2,3,4-TETRAHY	22.28	16.6	NJ
3. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	26.00	21.7	NJ
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FORM I VOA-GCMS-TIC

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**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781308**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

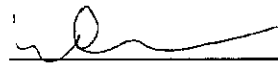
Site ID DDMT  
Memphis, TN

Date Arrived 09/08/98  
ETC Order Number 9809235

ETC Lab ID 9809235-01  
**Sample ID: RA-TS-005**

Matrix :SOIL  
Sample Date :09/08/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Base/Neutral & Acid							8270C
QC Batch	P04032	ug/Kg		09/10/98	09/11/98	RR	
Acenaphthene	ND	ug/Kg	170				
Acenaphthylene	ND	ug/Kg	170				
Anthracene	ND	ug/Kg	170				
Benzo(a)anthracene	ND	ug/Kg	170				
Benzo(b)fluoranthene	ND	ug/Kg	170				
Benzo(k)fluoranthene	ND	ug/Kg	170				
Benzo(g,h,i)perylene	ND	ug/Kg	170				
Benzo(a)pyrene	ND	ug/Kg	170				
Benzoic Acid	ND	ug/Kg	1670				
Benzyl Alcohol	ND	ug/Kg	170				
Bis(2-chloroethoxy)methane	ND	ug/Kg	170				
Bis(2-chloroethyl)ether	ND	ug/Kg	170				
Bis(2-chloroisopropyl)ether	ND	ug/Kg	170				
Bis(2-ethylhexyl)phthalate	ND	ug/Kg	170				
4-Bromophenyl phenyl ether	ND	ug/Kg	170				
Butyl benzyl phthalate	ND	ug/Kg	170				
4-Chloroaniline	ND	ug/Kg	170				
2-Chloronaphthalene	ND	ug/Kg	170				
4-Chloro-3-methylphenol	ND	ug/Kg	170				
2-Chlorophenol	ND	ug/Kg	170				
4-Chlorophenyl phenyl ether	ND	ug/Kg	170				
Chrysene	ND	ug/Kg	170				
Dibenzo(a,h)anthracene	ND	ug/Kg	170				
Dibenzofuran	ND	ug/Kg	170				
Di-n-butyl phthalate	ND	ug/Kg	170				
1,2-Dichlorobenzene	ND	ug/Kg	170				
1,3-Dichlorobenzene	ND	ug/Kg	170				
1,4-Dichlorobenzene	ND	ug/Kg	170				
3,3'-Dichlorobenzidine	ND	ug/Kg	170				
2,4-Dichlorophenol	ND	ug/Kg	170				
2,6-Dichlorophenol	ND	ug/Kg	170				
Diethyl phthalate	ND	ug/Kg	170				
2,4-Dimethylphenol	ND	ug/Kg	170				
Dimethyl phthalate	ND	ug/Kg	170				
4,6-Dinitro-2-methylphenol	ND	ug/Kg	170				
2,4-Dinitrophenol	ND	ug/Kg	330				
2,4-Dinitrotoluene	ND	ug/Kg	170				
2,6-Dinitrotoluene	ND	ug/Kg	170				
Di-n-octyl phthalate	ND	ug/Kg	170				
Fluoranthene	ND	ug/Kg	170				
Fluorene	ND	ug/Kg	170				
Hexachlorobenzene	ND	ug/Kg	170				



LABORATORY MANAGER

ND - Not Detected

000012

3781309

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/08/98  
 ETC Order Number 9809235

ETC Lab ID 9809235-01  
**Sample ID: RA-TS-005**

Matrix :SOIL  
 Sample Date :09/08/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Base/Neutral & Acid				09/10/98	09/11/98	RR	8270C
Hexachlorobutadiene	ND	ug/Kg	170				
Hexachlorocyclopentadiene	ND	ug/Kg	170				
Hexachloroethane	ND	ug/Kg	170				
Indeno(1,2,3-cd)pyrene	ND	ug/Kg	170				
Isophorone	ND	ug/Kg	170				
2-Methylnaphthalene	ND	ug/Kg	170				
2-Methylphenol (o-cresol)	ND	ug/Kg	170				
3-Methylphenol (m-cresol)	ND	ug/Kg	170				
4-Methylphenol (p-cresol)	ND	ug/Kg	170				
Naphthalene	ND	ug/Kg	170				
Nitrobenzene	ND	ug/Kg	170				
2-Nitroaniline	ND	ug/Kg	170				
3-Nitroaniline	ND	ug/Kg	170				
4-Nitroaniline	ND	ug/Kg	170				
2-Nitrophenol	ND	ug/Kg	170				
4-Nitrophenol	ND	ug/Kg	170				
N-Nitrosodiphenylamine	ND	ug/Kg	170				
N-Nitrosodipropylamine	ND	ug/Kg	170				
Pentachlorophenol	ND	ug/Kg	170				
Phenanthrene	ND	ug/Kg	170				
Phenol	ND	ug/Kg	170				
Pyrene	ND	ug/Kg	170				
1,2,4-Trichlorobenzene	ND	ug/Kg	170				
2,4,5-Trichlorophenol	ND	ug/Kg	170				
2,4,6-Trichlorophenol	ND	ug/Kg	170				

Surrogate Standard	% Recovery	QC Limits
S1 - Nitrobenzene-d5	67	39 80
S2 - 2-Fluorobiphenyl	74	43 84
S3 - 4-Terphenyl-d14	82	40 121
S4 - Phenol-d6	64	31 94
S5 - 2,4,6-Tribromophenol	65	17 91
S6 - 2-Fluorophenol	60	23 89

  
 LABORATORY MANAGER

ND - Not Detected

000013

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

3781310  
CLIENT SAMPLE NO.

9809-235-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: 2001018

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/11/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
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FORM I BNA-GCMS-TIC

000014

3781311

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/08/98  
 ETC Order Number 9809235

ETC Lab ID 9809235-01  
**Sample ID: RA-TS-005**

Matrix :SOIL  
 Sample Date :09/08/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides							8081A
QC Batch	P06017	ug/Kg		09/10/98	09/17/98	RG	
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	ND	ug/Kg	2.00				
4,4'-DDT	ND	ug/Kg	2.00				
Dieldrin	ND	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				
<b>Surrogate Standard</b>							
	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Decachlorobiphenyl	151		64	154			
S2 - Tetrachloro-m-xylene	82		39	130			

  
 LABORATORY MANAGER

ND - Not Detected

000015



3781312

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # **20560**  
FID # **DACA45-96-D-0014**

Date Arrived **09/08/98**  
ETC Order Number **9809235**

ETC Lab ID **9809235-01**  
**Sample ID: RA-TS-005**

Matrix : **SOIL**  
Sample Date : **09/08/98**

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs							8082
QC Batch	P06017	ug/Kg		09/10/98	09/14/98	RG	
PCB-1016	ND	ug/Kg	350				
PCB-1221	ND	ug/Kg	350				
PCB-1232	ND	ug/Kg	350				
PCB-1242	ND	ug/Kg	350				
PCB-1248	ND	ug/Kg	350				
PCB-1254	ND	ug/Kg	350				
PCB-1260	ND	ug/Kg	350				
<u>Surrogate Standard</u>	<u>% Recovery</u>		<u>QC Limits</u>				
S1 - Tetrachloro-m-xylene	69		39	130			
S2 - Decachlorobiphenyl	163 Q		64	154			

  
LABORATORY MANAGER

ND - Not Detected

JL00016

3781313

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Inorganics**

000017

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
INORGANICS

3781314

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235

**HOLDING TIMES**

Sample Analysis : All samples analyzed within Method Specified  
Holding Times.

**CALIBRATION**

Laboratory Control Sample : All criteria met.

**QUALITY CONTROL**

Matrix Spike

Spike Recovery : All analytes within QC limits

Duplicates

RPD : All analytes within QC limits

Method Blank

No Target Analytes detected above Detection Limit.

  
Laboratory Manager

000018

**Environmental Testing & Consulting, Inc.**  
**Inorganic QC Data Summary**

**3781315**

**Client Name** OHM Remediation Services  
**Project** DDMT-Memphis, TN

**ETC Order Number** 9809-235  
**File Name** 9809-235 1

**Method Blank**

Analyte	Date Analyzed	Blank Concentration mg/Kg	QC Batch
Cyanide	09/10/98	<1.00	CY091098

**Calibration Verification (CV)**

Analyte	Date Analyzed	CV Conc mg/L	CV Conc Found	% Difference
Cyanide	09/10/98	0.200	0.207	3.5

**Laboratory Control Sample (LCS)**

Analyte	Date Analyzed	LCS Conc mg/Kg	LCS Conc Found	% Recovery
Cyanide	09/10/98	20.0	19.2	96.0

**Matrix Spike/Matrix Spike Duplicate**

Sample ID	Analyte	Spike mg/Kg	Sample mg/Kg	MS Conc Found	MS % Recovery	QC Limits	RPD
9809-235-01 MS	Cyanide	18.2	<1.00	18.2	100	70-130	
9809-235-01 MSD	Cyanide	20.0	<1.00	19.4	97	70-130	3

**Duplicates**

Sample ID	Analyte	Sample %	Duplicate %	RPD
9809-235-01	Fractional Organic Matter	1.45	1.67	14.1

000019

3781316

Environmental Testing & Consulting, Inc.

## **Quality Control Reports**

**Metals (ICP/GFAA/CV)**

000020

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V8-SO-12  
Mercury V4-SO-32

Sample Analysis : All samples digested and analyzed within 180 days of collection.  
Mercury Analysis : All samples analyzed within 28 days of collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer

Dilutions Required : No dilutions required.\*

\*  
Dilutions were performed on several samples to bring the Target Analyte(s) within calibration range (C) or to remove spectral interference (I) as indicated.

Sample ID	Dilution		Sample ID	Dilution	
	Metal	Factor		Metal	Factor
9809-235-01	Aluminum	1:5 (C)	9809-235-01	Lead	1:3 (C)
9809-235-01	Iron	1:5 (C)			

Due to low recoveries and failing Post Digestion Spike, all Selenium data was reported based on the Method of Standard Additions.

**QUALITY CONTROL****9809-235.MQCBLANK**Method Blank

V8-SO-12BLK - ICP/GFAA Metals

V4-SO-32BLK - Mercury

Calcium identified in V8-SO-12BLK at 1.70 mg/Kg.

Iron identified in V8-SO-12BLK at 3.20 mg/Kg.

**9809-235.MQCLCS**Laboratory Control Sample(s)

V8-SO-12LCS - ICP/GFAA Metals

V4-SO-32LCS - Mercury

All criteria met.

000021

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781318

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235

QUALITY CONTROL

9809-235.MQCMSMSD

Matrix Spike / Matrix Spike Dup - ICP Metals

9809-235-01 RPD : All analytes within QC limits.  
RA-TS-005 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Antimony were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. A Post Digestion Spike was performed for verification :

Analyte	mg/L Expected	mg/L Found	% Recovery	QA Evaluation
Antimony	0.500	0.479	96	Pass

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. RPD for Manganese was flagged as outside QC Limits. Dilution Tests were performed for verification :

Analyte	No Dilution	1:5 Dilution	1:25 Dilution	% Difference	QA Evaluation
Aluminum	-----	12700 mg/Kg	12700 mg/Kg	0	Pass
Calcium	1090	1080	-----	1	Pass
Iron	-----	21900	22200	1	Pass
Manganese	570	560	-----	2	Pass
Potassium	916	928	-----	1	Pass
Magnesium	2690	2620	-----	3	Pass

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Graphite Metals

9809-235-01 RPD : All analytes within QC limits.  
RA-TS-005 Spike Recovery : All analytes within QC limits.\*  
\*

Recovery for Lead was flagged as outside QC Limits due to the level of this analyte present relative to the spike amount, a Dilution Test was performed for both analytes for verification :

Analyte	1:3 Dilution	1:15 Dilution	% Difference	QA Evaluation
Lead	11.0 mg/Kg	10.2 mg/Kg	7	Pass

Recoveries for Selenium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

JC0022

3781319

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235

QUALITY CONTROL

Matrix Spike / Matrix Spike Dup - Hg

9809-235-01

RPD : All analytes within QC limits.

RA-TS-005

Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Dilution Test - Dilution result must agree within 10% of original  
result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

JC0023



3781320

SOLID METHOD BLANK  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals V8-SO-12 BLK QC Batch V8-SO-12

Laboratory ID Mercury V4-SO-32 BLK V4-SO-32

Date Sample Prepared 09/09/98 ICP/GFAA Metals

09/11/98 Mercury

Metals	Concentration mg/Kg	Detection Limit mg/Kg	Date Analyzed	Method
Silver	<0.700	0.700	09/10/98	6010B
Aluminum	<4.00	4.00	09/10/98	6010B
Arsenic	<0.200	0.200	09/10/98	7060A
Barium	<0.200	0.200	09/10/98	6010B
Beryllium	<0.100	0.100	09/10/98	6010B
Calcium	1.70	1.00	09/10/98	6010B
Cadmium	<0.400	0.400	09/10/98	6010B
Cobalt	<0.700	0.700	09/10/98	6010B
Chromium	<0.700	0.700	09/10/98	6010B
Copper	<0.600	0.600	09/10/98	6010B
Iron	3.20	0.700	09/10/98	6010B
Potassium	<20.0	20.0	09/10/98	6010B
Magnesium	<3.00	3.00	09/10/98	6010B
Manganese	<0.200	0.200	09/10/98	6010B
Sodium	<20.0	20.0	09/10/98	6010B
Nickel	<1.50	1.50	09/10/98	6010B
Lead	<0.100	0.100	09/10/98	7421
Antimony	<3.20	3.20	09/10/98	6010B
Selenium	<0.200	0.200	09/10/98	7740
Thallium	<0.100	0.100	09/11/98	7841
Vanadium	<0.800	0.800	09/10/98	6010B
Zinc	<1.00	1.00	09/10/98	6010B
Mercury	<0.020	0.020	09/11/98	7471A

Metals Blank

9809-235 MQCBLANK

J00024

3781321

SOLID LABORATORY CONTROL SAMPLE  
METALS

Lab Name

Environmental Testing and Consulting, Inc

Laboratory Control ID

ICP/GFAA Metals V8-SO-12 LCS  
Mercury V4-SO-32 LCS

QC Batch

V8-SO-12V4-SO-32

Date Prepared

ICP/GFAA Metals 09/09/98  
Mercury 09/11/98

Metals	Spike Added mg/Kg	Found mg/Kg	% R	#	QC Limits
Silver	20.0	20.5	103	80	120
Aluminum	200	205	103	80	120
Arsenic	5.00	5.13	103	85	115
Barium	200	201	101	80	120
Beryllium	20.0	19.9	100	80	120
Calcium	400	414	104	80	120
Cadmium	20.0	21.0	105	80	120
Cobalt	100	101	101	80	120
Chromium	40.0	41.1	103	80	120
Copper	40.0	41.8	105	80	120
Iron	200	208	104	80	120
Potassium	400	409	102	80	120
Magnesium	400	407	102	80	120
Manganese	20.0	20.6	103	80	120
Sodium	400	412	103	80	120
Nickel	100	102	102	80	120
Lead	2.00	1.85	93	85	115
Antimony	200	199	100	80	120
Selenium	5.00	4.98	100	85	115
Thallium	2.00	1.95	98	85	115
Vanadium	100	103	103	80	120
Zinc	20.0	20.5	103	80	120
Mercury	0.167	0.158	95	80	120

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Metals Laboratory Control Sample

9809-235 MQCLCS

J00025

3781322

**SOLID MATRIX SPIKE  
METALS**

Lab Name Environmental Testing and Consulting, Inc

		QC Batch
Laboratory ID MS ICP/GFAA Metals	9809-235-01	V8-SO-12
Laboratory ID MS Mercury	9809-235-01	V4-SO-32

Date Sample Prepared	09/09/98	ICP/GFAA Metals
	09/11/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MS Conc mg/Kg	RPD < 20% #	MS % Rec #	QC Limits	
Silver	23.0	ND	23.0	7	100	75	125
Aluminum	230	12700	12900	5	87	75	125
Arsenic	5.63	10.4	15.1	5	84	70	130
Barium	230	107	352	6	107	75	125
Beryllium	23.0	0.502	24.2	6	103	75	125
Calcium	460	1090	1620	8	115	75	125
Cadmium	23.0	ND	23.6	5	103	75	125
Cobalt	115	7.10	123	5	101	75	125
Chromium	46.0	15.9	63.6	4	104	75	125
Copper	46.0	17.3	66.6	6	107	75	125
Iron	230	21900	20500	13	-609 *	75	125
Potassium	460	916	1440	1	114	75	125
Magnesium	460	2690	3190	0	109	75	125
Manganese	23.0	570	511	31 *	-257 *	75	125
Sodium	460	227	737	6	111	75	125
Nickel	115	16.7	133	5	101	75	125
Lead	2.25	11.0	11.7	8	31 *	70	130
Antimony	230	ND	ND	0	*	75	125
Selenium	5.63	ND	3.67	6	65 *	70	130
Thallium	2.25	0.222	2.06	3	82	70	130
Vanadium	115	24.3	135	4	96	75	125
Zinc	23.0	57.3	80.3	4	100	75	125
Mercury	0.176	0.026	0.192	1	94	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike

9809-235.MQCMSMSD  
000026

3781323

SOLID MATRIX SPIKE DUPLICATE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-235-01	QC Batch
Laboratory ID MS Mercury	9809-235-01	V8-SO-12
		V4-SO-32

Date Sample Prepared	09/09/98	ICP/GFAA Metals
	09/11/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MSD Conc mg/Kg		MSD % Rec	#	QC Limits	
Silver	21.7	ND	21.4		99		75	125
Aluminum	217	12700	13600		415	*	75	125
Arsenic	5.32	10.4	15.9		103		70	130
Barium	217	107	330		103		75	125
Beryllium	21.7	0.502	22.9		103		75	125
Calcium	434	1090	1500		95		75	125
Cadmium	21.7	ND	22.4		103		75	125
Cobalt	108	7.10	117		102		75	125
Chromium	43.4	15.9	61.4		105		75	125
Copper	43.4	17.3	62.9		105		75	125
Iron	217	21900	23300		645	*	75	125
Potassium	434	916	1420		116		75	125
Magnesium	434	2690	3190		115		75	125
Manganese	21.7	570	699		595	*	75	125
Sodium	434	227	691		107		75	125
Nickel	108	16.7	126		101		75	125
Lead	2.13	11.0	12.7		80		70	130
Antimony	217	ND	ND			*	75	125
Selenium	5.32	ND	3.44		65	*	70	130
Thallium	2.13	0.222	2.00		84		70	130
Vanadium	108	24.3	130		98		75	125
Zinc	21.7	57.3	83.7		122		75	125
Mercury	0.182	0.026	0.194		92		75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike Duplicate

9809-235.MQCMSMSD

000027

3781324

Environmental Testing & Consulting, Inc.

**Quality Control Reports  
GC/MS Volatiles**

000028

3781325

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235  
Method (SW-846) : 8260B/5030B

**HOLDING TIMES**

Sample Analysis : All samples analyzed within 14 days of collection.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
V1090901 V109091LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
V109091BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-235-01 RPD : All analytes within QC limits.  
RA-TS-005 Spike Recovery : All analytes within QC limits.\*

\*  
Recoveries for Toluene and Chlorobenzene were flagged outside QC Limits in the Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
V109091LB

No Target Analytes detected above the reporting limit.

**CALIBRATION**

BFB Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*

\*  
Pentachloroethane was flagged with a percent difference >30.0%. This analyte was not a Target Analyte associated with this project. The data was not affected.

Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times within QC limits.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

JL0029

FORM 2  
SOIL VOA-GCMS SYSTEM MONITORING COMPOUND RECOVERY

3781326

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-235

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
01	V109091BS	102	96	100		0
02	V109091LB	103	96	105		0
03	9809-235-1	102	98	108		0
04	9809-235-1M	100	100	102		0
05	9809-235-1S	105	96	105		0
06						
07						
08						
09						
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QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (85-119)  
 SMC2 (TOL) = Toluene-d8 (87-114)  
 SMC3 (BFB) = Bromofluorobenzene (75-111)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3781327

FORM 4  
VOA-GCMS METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

Lab Name: ETC, INC.

V109091LB

Lab Prep Batch: V1090901

SDG No.: 9809-235

Lab File ID: 0302003

Lab Prep Batch: V1090901

Date Analyzed: 09/09/98

Time Analyzed: 1647

GC Column: ID: 2 (mm)

Heated Purge: (Y/N) Y

Instrument ID: VOC1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V109091BS		0201002LCS	1503
02	9809-235-1		1001010	2144
03	9809-235-1M		1301013	2351
04	9809-235-1S		1401014	0034
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COMMENTS:



FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

3781328  
CLIENT SAMPLE NO.

V109091LB

Lab Name: ETC, INC.

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: V1090901

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 0302003

Level: (low/med) LOW

Date Analyzed: 09/09/98

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	2.00	U
75-01-4	-----Vinyl Chloride	2.00	U
74-83-9	-----Bromomethane	2.00	U
75-00-3	-----Chloroethane	2.00	U
67-64-1	-----Acetone	50.0	U
75-35-4	-----1,1-Dichloroethene	2.00	U
75-15-0	-----Carbon Disulfide	25.0	U
75-09-2	-----Methylene Chloride	50.0	U
156-60-5	-----trans-1,2-Dichloroethene	2.00	U
108-05-4	-----Vinyl Acetate	25.0	U
75-34-3	-----1,1-Dichloroethane	2.00	U
78-93-3	-----Methyl-Ethyl Ketone	50.0	U
156-59-4	-----cis-1,2-Dichloroethene	2.00	U
67-66-3	-----Chloroform	2.00	U
71-55-6	-----1,1,1-Trichloroethane	2.00	U
56-23-5	-----Carbon Tetrachloride	2.00	U
71-43-2	-----Benzene	2.00	U
107-06-2	-----1,2-Dichloroethane	2.00	U
79-01-6	-----Trichloroethene	2.00	U
78-87-5	-----1,2-Dichloropropane	2.00	U
75-27-4	-----Bromodichloromethane	2.00	U
108-10-1	-----4-Methyl-2-Pentanone	50.0	U
10061-01-5	-----cis-1,3-Dichloropropene	2.00	U
108-88-3	-----Toluene	2.00	U
10061-02-6	-----trans-1,3-Dichloropropene	2.00	U
79-00-5	-----1,1,2-Trichloroethane	2.00	U
591-78-6	-----2-Hexanone	50.0	U
127-18-4	-----Tetrachloroethene	2.00	U
124-48-1	-----Chlorodibromomethane	2.00	U
108-90-7	-----Chlorobenzene	2.00	U
1330-20-7	-----Xylene-mp	2.00	U
100-41-4	-----Ethylbenzene	2.00	U
95-47-6	-----Xylene-o	2.00	U

FORM I VOA-GCMS

000032

3781329

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: ETC, INC.

V109091LB

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: V1090901

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 0302003

Level: (low/med) LOW

Date Analyzed: 09/09/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
100-42-5-----	Styrene	2.00	U
75-25-2-----	Bromoform	2.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	2.00	U

FORM I VOA-GCMS

000033

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

3781330

Lab Name:

Lab Prep Batch: V1090901

SDG No.: 9809-235

Matrix Spike - Sample No.: V109091BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100		104	104	59-151
Acetonitrile	1000		1080	108	57-143
Benzene	100		95.2	95	72-124
Bromobenzene	100		100	100	77-120
Bromochloromethane	100		112	112	74-120
Bromodichloromethane	100		102	102	68-119
Bromoform	100		115	115	66-136
Bromomethane	100		100	100	40-134
Methyl-Ethyl Ketone	100		105	105	55-151
n-Butylbenzene	100		123	123	69-129
sec-Butylbenzene	100		117	117	72-127
tert-Butylbenzene	100		124	124	73-126
Carbon Disulfide	100		111	111	60-133
Carbon Tetrachloride	100		105	105	64-123
Chlorobenzene	100		95.1	95	77-112
Chlorodibromomethane	100		102	102	72-118
Chloroethane	100		87.7	88	64-142
2-Chloroethyl vinyl Eth	100		100	100	22-165
Chloroform	100		105	105	70-115
Chloromethane	100		98.6	99	58-139
2-Chlorotoluene	100		106	106	65-132
4-Chlorotoluene	100		109	109	67-127
1,2-Dibromo-3-chloropro	100		105	105	56-134
1,2-Dibromoethane	100		105	105	74-118
Dibromomethane	100		101	101	75-114
1,2-Dichlorobenzene	100		107	107	80-113
1,3-Dichlorobenzene	100		104	104	77-119
1,4-Dichlorobenzene	100		101	101	78-116

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3781331

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

Lab Name:

Lab Prep Batch: V1090901

SDG No.: 9809-235

Matrix Spike - Sample No.: V109091BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	100		89.6	90	48-145
1,1-Dichloroethane	100		97.3	97	76-118
1,2-Dichloroethane	100		95.2	95	62-124
1,1-Dichloroethene	100		106	106	69-121
cis-1,2-Dichloroethene	100		98.7	99	76-114
trans-1,2-Dichloroethene	100		106	106	72-121
1,2-Dichloropropane	100		100	100	64-133
1,3-Dichloropropane	100		98.6	99	68-128
2,2-Dichloropropane	100		110	110	67-132
1,1-Dichloropropene	100		101	101	76-117
cis-1,3-Dichloropropene	100		105	105	77-120
trans-1,3-Dichloropropene	100		105	105	73-124
Ethylbenzene	100		98.0	98	77-111
Hexachlorobutadiene	100		124	124	69-137
2-Hexanone	100		110	110	53-144
Isopropylbenzene	100		106	106	74-125
4-Isopropyltoluene	100		124	124	72-127
Methylene Chloride	100		109	109	67-115
4-Methyl-2-Pentanone	100		107	107	42-144
Naphthalene	100		108	108	53-124
n-Propylbenzene	100		112	112	75-125
Styrene	100		111	111	77-117
1,1,1,2-Tetrachloroethane	100		102	102	79-113
1,1,2,2-Tetrachloroethane	100		98.2	98	67-126
Tetrachloroethene	100		82.4	82	77-115
Toluene	100		95.0	95	77-115
1,2,3-Trichlorobenzene	100		119	119	62-132
1,2,4-Trichlorobenzene	100		120	120	68-132

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

3781332

Lab Name:

Lab Prep Batch: V1090901

SDG No.: 9809-235

Matrix Spike - Sample No.: V109091BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1,1-Trichloroethane	100		101	101	63-122
1,1,2-Trichloroethane	100		99.7	100	69-117
Trichloroethene	100		104	104	75-113
Trichlorofluoromethane	100		101	101	55-130
1,2,3-Trichloropropane	100		110	110	62-130
1,2,4-Trimethylbenzene	100		121	121	69-126
1,3,5-Trimethylbenzene	100		120	120	69-128
Vinyl Acetate	100		98.1	98	28-146
Vinyl Chloride	100		98.6	99	65-134
Xylene-mp	200		206	103	77-115
Xylene-o	100		102	102	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 67 outside limits

COMMENTS:

3781333

FORM 3  
SOIL VOA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: V1090901

SDG No.: 9809-235

Matrix Spike - Sample No.: 9809-235-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	217	0.000	168	77	69-121
Benzene	217	0.000	157	72	72-124
Trichloroethene	217	0.000	175	81	75-113
Toluene	217	0.000	164	76*	77-115
Chlorobenzene	217	0.000	160	74*	77-112

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
1,1-Dichloroethene	200	173	86	11	20 69-121
Benzene	200	155	78	8	20 72-124
Trichloroethene	200	162	81	0	20 75-113
Toluene	200	153	76*	0	20 77-115
Chlorobenzene	200	148	74*	0	20 77-112

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 4 out of 10 outside limits

COMMENTS:

FORM III VOA-GCMS

000037

3781334

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Semi-Volatiles**

000038

3781335

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235  
Method (SW-846) : 8270C/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P04032 P04032LB

System Monitoring Compounds FORM 2

Surrogate recoveries within QC limits.\*

\*

Surrogate recoveries for multiple analytes were flagged for high recovery in P04032LB, P04032BS, and samples 9809-235-01MS/MSD (RA-TS-005). Review of the raw data showed no obvious matrix interference. P04032LB and P04032BS were re-analyzed for verification with similar recoveries.

Laboratory Control Sample FORM 3  
P04032BS

All criteria met.\*

\*

Recovery for Bis(2-Chloroisopropyl) ether was flagged for high recovery in P04032BS. High recovery indicates the detection limits were not affected. This analyte was not detected in sample associated with this project. The data was not affected.

Matrix Spike / Matrix Spike Dup FORM 3

9809-235-01 RPD : All analytes within QC limits.  
RA-TS-005 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P04032LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

Semi-Volatile Internal Standard Area and RT FORM 8

Daily Check Standard(s) Internal Standard Areas and Retention Times within QC limits.

000039



ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

3781336

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN

ETC Order # : 9809-235  
Method (SW-846) : 8270C/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000040

3781337

FORM 2  
SOIL BNA-GCMS SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-235

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	P04032LB	66	73	92*	94*	83	91			2
02	P04032BS	83	90	94*	100*	92*	101			3
03	9809-235-1	60	64	67	74	65	82			0
04	9809-235-1M	75	84	94*	96*	94*	98			3
05	9809-235-1S	82	90	95*	97*	97*	97			3
06	P04032LB	67	76	86*	94*	74	75			2
07	P04032BS	81	91	97*	99*	90	80			2
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QC LIMITS

S1 (2FP) = 2-Fluorophenol (23- 89)  
 S2 (PHL) = Phenol-d6 (31- 94)  
 S3 (NBZ) = Nitrobenzene-d5 (39- 80)  
 S4 (FBP) = 2-Fluorobiphenyl (43- 84)  
 S5 (TBP) = 2,4,6-Tribromophenol (17- 91)  
 S6 (TPH) = Terphenyl-d14 (40-121)

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

000041

FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

3781338

CLIENT SAMPLE NO

P04032LB

Lab Name: ETC, INC.

Lab Prep Batch: P04032

Lab File ID: 1301011

Matrix: (soil/water) SOIL

Level:(low/med) LOW

SDG No.: 9809-235

Instrument ID: BNA2

Date Analyzed: 09/10/98

Time Analyzed: 2123

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P04032BS		1401012	09/10/98
02	9809-235-1		2001018	09/11/98
03	9809-235-1M		2101019	09/11/98
04	9809-235-1S		2201020	09/11/98
05	P04032BS		3201002	09/11/98
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COMMENTS:

3781339

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04032LB

Lab Name: ETC, INC.

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: P04032

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1301011

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/10/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9-----	Acenaphthene	167	U
208-96-8-----	Acenaphthylene	167	U
120-12-7-----	Anthracene	167	U
92-87-5-----	Benzidine	333	U
56-55-3-----	Benzo(a)Anthracene	167	U
205-99-2-----	Benzo(b)fluoranthene	167	U
207-08-9-----	Benzo(k)fluoranthene	167	U
191-24-2-----	Benzo(g,h,i)perylene	167	U
50-32-8-----	Benzo(a)pyrene	167	U
65-85-0-----	Benzoic Acid	1670	U
100-51-6-----	Benzyl Alcohol	167	U
111-44-4-----	bis(2-Chloroethyl)ether	167	U
111-91-1-----	Bis(2-chloroethoxy)methane	167	U
39638-32-9-----	bis(2-Chloroisopropyl)ether	167	U
117-81-7-----	bis(2-ethylhexyl)Phthalate	167	U
101-55-3-----	4-Bromophenyl-phenylether	167	U
85-68-7-----	Butylbenzylphthalate	167	U
86-74-8-----	Carbazole	167	U
106-47-8-----	4-Chloroaniline	167	U
59-50-7-----	4-Chloro-3-Methylphenol	167	U
91-58-7-----	2-Chloronaphthalene	167	U
95-57-8-----	2-Chlorophenol	167	U
7005-72-3-----	4-Chlorophenyl-phenylether	167	U
218-01-9-----	Chrysene	167	U
53-70-3-----	Dibenzo(a,h)anthracene	167	U
132-64-9-----	Dibenzofuran	167	U
84-74-2-----	Di-n-Butylphthalate	167	U
95-50-1-----	1,2-Dichlorobenzene	167	U
541-73-1-----	1,3-Dichlorobenzene	167	U
106-46-7-----	1,4-Dichlorobenzene	167	U
91-94-1-----	3,3'-Dichlorobenzidine	167	U
120-83-2-----	2,4-Dichlorophenol	167	U
84-66-2-----	Diethylphthalate	167	U

FORM I BNA-GCMS

000043

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

3781340  
CLIENT SAMPLE NO.

P04032LB

Lab Name: ETC, INC.

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: P04032

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1301011

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9	2,4-Dimethyphenol	167 U	
131-11-3	Dimethylphthalate	167 U	
534-52-1	4,6-Dinitro-2-methylphenol	167 U	
51-28-5	2,4-Dinitrophenol	333 U	
121-14-2	2,4-Dinitrotoluene	167 U	
606-20-2	2,6-Dinitrotoluene	167 U	
117-84-0	Di-n-octylphthalate	167 U	
86-30-6	Diphenylamine/n-NDPA	167 U	
206-44-0	Fluoranthene	167 U	
86-73-7	Fluorene	167 U	
118-74-1	Hexachlorobenzene	167 U	
87-68-3	Hexachlorobutadiene	167 U	
77-47-4	Hexachlorocyclopentadiene	167 U	
67-72-1	Hexachloroethane	167 U	
193-39-5	Indeno(1,2,3-cd)pyrene	167 U	
78-59-1	Isophorone	167 U	
91-57-6	2-Methylnaphthalene	167 U	
95-48-7	2-Methylphenol	167 U	
106-44-5	3&4-Methylphenol	167 U	
91-20-3	Naphthalene	167 U	
88-74-4	2-Nitroaniline	167 U	
99-09-2	3-Nitroaniline	167 U	
100-01-6	4-Nitroaniline	167 U	
98-95-3	Nitrobenzene	167 U	
88-75-5	2-Nitrophenol	167 U	
100-02-7	4-Nitrophenol	167 U	
621-64-7	N-Nitrosodipropylamine	167 U	
87-86-5	Pentachlorophenol	167 U	
85-01-8	Phenanthrene	167 U	
108-95-2	Phenol	167 U	
129-00-0	Pyrene	167 U	
110-86-1	Pyridine	167 U	
120-82-1	1,2,4-Trichlorobenzene	167 U	

FORM I BNA-GCMS

000044

3781341

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04032LB

Lab Name: ETC, INC.

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: P04032

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1301011

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/10/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
95-95-4-----	2,4,5-Trichlorophenol	167	U	
88-06-2-----	2,4,6-Trichlorophenol	167	U	

FORM I BNA-GCMS

000045

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781342

Lab Name: ETC, INC.

Lab Prep Batch: P04032

SDG No.: 9809-235

Matrix Spike - Sample No.: P04032BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1670		1490	89	34-126
Acenaphthylene	1670		1560	93	62-123
Anthracene	1670		1700	102	68-124
Benzidine	3330		1770	53	4-117
Benzo(a)Anthracene	1670		1670	100	60-133
Benzo(b)fluoranthene	1670		1680	100	67-126
Benzo(k)fluoranthene	1670		1720	103	75-131
Benzo(g,h,i)perylene	1670		1450	87	53-137
Benzo(a)pyrene	1670		1730	104	68-129
Benzoic Acid	1670		3880	232	37-251
Benzyl Alcohol	1670		1560	93	20-159
bis(2-Chloroethyl)ether	1670		1640	98	25-147
Bis(2-chloroethoxy)meth	1670		1520	91	37-153
bis(2-Chloroisopropyl)e	1670		2720	163*	35-138
bis(2-ethylhexyl)Phthal	1670		1670	100	60-150
4-Bromophenyl-phenyleth	1670		1620	97	59-130
Butylbenzylphthalate	1670		1760	105	71-137
Carbazole	1670		1570	94	64-149
4-Chloroaniline	1670		526	31	27-106
4-Chloro-3-Methylphenol	3330		3020	91	33-147
2-Chloronaphthalene	1670		1540	92	62-126
2-Chlorophenol	3330		3070	92	34-126
4-Chlorophenyl-phenylet	1670		1570	94	60-128
Chrysene	1670		1690	101	67-131
Dibenzo(a,h)anthracene	1670		1660	99	51-138
Dibenzofuran	1670		1550	93	57-131
Di-n-Butylphthalate	1670		1590	95	39-179
1,2-Dichlorobenzene	1670		1460	87	58-110

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3781343

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P04032

SDG No.: 9809-235

Matrix Spike - Sample No.: P04032BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	1670		1400	84	55-109
1,4-Dichlorobenzene	1670		1420	85	26-121
3,3'-Dichlorobenzidine	3330		4190	126	18-191
2,4-Dichlorophenol	3330		2980	89	68-123
2,6-Dichlorophenol	3330		3250	98	45-157
Diethylphthalate	1670		1620	97	72-133
2,4-Dimethyphenol	3330		2770	83	53-121
Dimethylphthalate	1670		1570	94	64-132
4,6-Dinitro-2-methylphe	3330		3210	96	70-158
2,4-Dinitrophenol	3330		3380	102	31-186
2,4-Dinitrotoluene	1670		1580	95	22-139
2,6-Dinitrotoluene	1670		1570	94	64-142
Di-n-octylphthalate	1670		1750	105	42-172
Diphenylamine/n-NDPA	1670		1620	97	55-140
Fluoranthene	1670		1650	99	71-132
Fluorene	1670		1580	95	65-126
Hexachlorobenzene	1670		1630	98	64-130
Hexachlorobutadiene	1670		1480	89	62-116
Hexachlorocyclopentadie	1670		1330	80	16-160
Hexachloroethane	1670		1440	86	58-110
Indeno(1,2,3-cd)pyrene	1670		1590	95	34-170
Isophorone	1670		1660	99	35-135
2-Methylnaphthalene	1670		1410	84	57-123
2-Methylphenol	3330		3100	93	56-132
3&4-Methylphenol	3330		2700	81	68-111
Naphthalene	1670		1430	86	62-113
2-Nitroaniline	1670		1540	92	63-138
3-Nitroaniline	1670		1310	78	53-128

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS:



FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781344

Lab Name: ETC, INC.

Lab Prep Batch: P04032

SDG No.: 9809-235

Matrix Spike - Sample No.: P04032BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Nitroaniline	1670		1540	92	60-140
Nitrobenzene	1670		1460	87	59-123
2-Nitrophenol	3330		3050	92	52-145
4-Nitrophenol	3330		1550	46	12-105
N-Nitrosodipropylamine	1670		1510	90	24-141
Pentachlorophenol	3330		3190	96	6-164
Phenanthrene	1670		1640	98	66-128
Phenol	3330		2660	80	22-127
Pyrene	1670		1660	99	33-155
Pyridine	1670		1350	81	41- 94
1,2,4-Trichlorobenzene	1670		1570	94	30-127
2,4,5-Trichlorophenol	3330		3170	95	50-173
2,4,6-Trichlorophenol	3330		3060	92	46-161

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 69 outside limits

COMMENTS:

3781345

FORM 3

## SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P04032

SDG No.: 9809-235

Matrix Spike - Sample No.: 9809-235-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	3330	0.00	2790	84	34-126
4-Chloro-3-Methylphenol	5330	0.00	4840	91	33-147
2-Chlorophenol	5330	0.00	4780	90	35-138
1,4-Dichlorobenzene	3330	0.00	2650	80	26-121
2,4-Dinitrotoluene	3330	0.00	2920	88	22-139
4-Nitrophenol	1610	0.00	1650	102	12-105
N-Nitrosodipropylamine	3330	0.00	3030	91	24-141
Pentachlorophenol	5330	0.00	5590	105	6-164
Phenol	5330	0.00	3630	68	22-127
Pyrene	3330	0.00	3160	95	33-155
1,2,4-Trichlorobenzene	3330	0.00	2870	86	30-127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Acenaphthene	3290	2880	88	5	20	34-126
4-Chloro-3-Methylphenol	5260	5120	97	6	20	33-147
2-Chlorophenol	5260	5130	98	8	20	35-138
1,4-Dichlorobenzene	3290	2850	87	8	20	26-121
2,4-Dinitrotoluene	3290	2930	89	1	20	22-139
4-Nitrophenol	1580	1510	96	6	20	12-105
N-Nitrosodipropylamine	3290	3150	96	5	20	24-141
Pentachlorophenol	5260	5480	104	1	20	6-164
Phenol	5260	4080	78	14	20	22-127
Pyrene	3290	3060	93	2	20	33-155
1,2,4-Trichlorobenzene	3290	3090	94	9	20	30-127

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

FORM III BNA-GCMS

000049

40 1

3781346

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
GC Pesticides**

000050

3781347

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235  
Method (SW-846) : 8081A/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06017 P06017LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06017BS

All criteria met.\*

\*

Several compounds were flagged for high recovery in P06017BS. High recovery indicates that detection levels were not affected. These analytes were not identified in the sample associated with this project. The data was not affected.

Matrix Spike / Matrix Spike Dup FORM 3

9809-235-01

RPD : All analytes within QC limits.\*

RA-TS-005

Spike Recovery : All analytes within QC limits.\*

\*

RPD for Endrin Ketone was flagged as outside QC Limits due to high recovery in the Matrix Spike. MS/MSD recoveries were within QC Limits.

Recoveries for multiple analytes were flagged for high recovery in the Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06017LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6\*  
Calibration Verification : All criteria met. FORM 7\*\*  
Endrin/Breakdown : All criteria met. FORM 7A

000051

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781348

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

Calibration Verification(CV) : P109171A.14R (Primary)  

Analyte	%Diff(15% Max)	Response
Endrin aldehyde	22.2	High
Endrin ketone	15.2	High

High responses indicate that reported levels for these analytes may be biased high. These compounds were not identified in samples associated with this project. The data was not affected.

Calibration Verification(CV) : P109171A.15R (Primary)  

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	17.7	Low

Low response indicates that reported levels for this surrogate may be biased low. Surrogate recoveries for all samples associated with this project were within QC Limits. The data was not affected.

Calibration Verification(CV) : P109171B.02R (Confirmation)  

Analyte	%Diff(15% Max)	Response
Endrin	24.4	High
Heptachlor	17.0	High
Methoxychlor	34.2	High

High recoveries indicate that reported levels for these analytes may be biased high. This CV confirmation was required for 4,4-DDT and Endrin Ketone only. Responses for these analytes were within QC Limits in the CV. Results were reported from the primary analysis. The data was not affected.

Calibration Verification(CV) : P109171B.14R (Confirmation)  

Analyte	%Diff(15% Max)	Response
alpha-BHC	16.9	Low
delta-BHC	24.7	Low
Endosulfan sulfate	20.6	Low
Endrin	28.1	High
Endrin aldehyde	29.0	Low

High recovery for Endrin indicate that reported levels for this analyte may be biased high. Low responses indicate reported levels for these analytes may be biased low. Results were reported from the primary analysis. The data was not affected.

Calibration Verification(CV) : P109211B.22R (Confirmation)  

Analyte	%Diff(15% Max)	Response
Endrin aldehyde	49.5	High

High recovery for Endrin aldehyde indicate that reported level for this analyte may be biased high. Results were reported from the primary analysis. The data was not affected.

000052

3781349

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN

ETC Order # : 9809-235  
Method (SW-846) : 8081A/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000053

FORM 2  
SOIL PESTICIDE SURROGATE RECOVERY

3781350

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SD# No.: 9809-235

Level:(low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	9809-235-1	82	151							0
02	9809-235-1M	100	123							0
03	9809-235-1S	82	102							0
04	P06017LB	89	102							0
05	P06017BS	115	126							0
06										
07										
08										
09										
10										
11										
12										
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29										
30										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

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

3781351

FORM 4  
PESTICIDE METHOD BLANK SUMMARY

EPA GC SAMPLE NO.

Lab Name: ETC, INC.

P06017LB

Lab Prep Batch: P06017

SDG No.: 9809-235

Lab File ID: P109211B-10R

Instrument ID: PEST1B

Matrix: (soil/water) SOIL

Date Analyzed: 09/21/98

Level:(low/med) LOW

Time Analyzed: 2141

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	9809-235-1		P109171A-07R	09/17/98
02	9809-235-1M		P109171A-08R	09/17/98
03	9809-235-1S		P109171A-09R	09/17/98
04	P06017BS		P109211B-16R	09/22/98
05				
06				
07				
08				
09				
10				
11				
12				
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30				

COMMENTS:



FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

3781352  
EPA GC SAMPLE NO.

P06017LB

Lab Name: ETC, INC.

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: P06017

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P109211B-10R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10(mL)

Date Analyzed: 09/21/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

309-00-2-----	Aldrin	1.33	U
319-84-6-----	alpha-BHC	1.33	U
319-85-7-----	beta-BHC	1.33	U
319-86-8-----	delta-BHC	1.33	U
58-89-9-----	gamma-BHC	1.33	U
5103-71-9-----	alpha-chlordane	1.33	U
5103-74-2-----	gamma-chlordane	1.33	U
72-54-8-----	4,4'-DDD	1.33	U
72-55-9-----	4,4'-DDE	1.33	U
50-29-3-----	4,4'-DDT	1.33	U
60-57-1-----	Dieldrin	1.33	U
959-98-8-----	Endosulfan I	1.33	U
33213-65-9-----	Endosulfan II	1.33	U
1031-07-8-----	Endosulfan sulfate	1.33	U
72-20-8-----	Endrin	1.33	U
7421-93-4-----	Endrin aldehyde	1.33	U
53494-70-5-----	Endrin ketone	1.33	U
76-44-8-----	Heptachlor	1.33	U
1024-57-3-----	Heptachlor epoxide	1.33	U
72-43-5-----	Methoxychlor	1.33	U

FORM I PESTICIDE

000056

3781353

FORM 3  
SOIL PESTICIDE LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06017

SDG No.: 9809-235

Matrix Spike - Sample No.: P06017BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC. LIMITS REC.
Aldrin	33.33		30.74	92	31-111
alpha-BHC	33.33		28.98	87	22-112
beta-BHC	33.33		36.22	109	54-120
delta-BHC	33.33		27.12	81	10- 96
gamma-BHC	33.33		30.73	92	26-113
alpha-chlordane	33.33		35.05	105*	49-103
gamma-chlordane	33.33		35.69	107*	50-106
4,4'-DDD	33.33		40.84	122*	47-112
4,4'-DDE	33.33		39.74	119*	36-117
4,4'-DDT	33.33		41.91	126*	49-124
Dieldrin	33.33		36.91	111*	44-108
Endosulfan I	33.33		39.04	117*	49-103
Endosulfan II	33.33		41.09	123*	53-115
Endosulfan sulfate	33.33		39.89	120*	51-110
Endrin	33.33		40.01	120*	44-118
Endrin aldehyde	33.33		48.94	147*	48-128
Endrin ketone	33.33		41.03	123	38-130
Heptachlor	33.33		37.25	112	47-113
Heptachlor epoxide	33.33		34.40	103	47-112
Methoxychlor	33.33		52.27	157*	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 12 out of 20 outside limits

COMMENTS:

FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781354

Lab Name: ETC, INC.

Lab Prep Batch: P06017

SDG No.: 9809-235

Matrix Spike - Sample No.: 9809-235-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	M CONCENTRATION (ug/Kg)	M % REC #	QC. LIMITS REC.
Aldrin	32.89473	0.00000	38.69193	118*	31-111
alpha-BHC	32.89473	0.00000	35.24369	107	22-112
beta-BHC	32.89473	0.00000	38.68179	118	54-120
delta-BHC	32.89473	0.00000	29.25848	89	10- 96
gamma-BHC (Lindane)	32.89473	0.00000	38.18732	116*	26-113
alpha-chlordane	32.89473	0.00000	38.77300	118*	49-103
gamma-chlordane	32.89473	0.00000	39.29390	119*	50-106
4,4'-DDD	32.89473	0.00000	39.45908	120*	47-112
4,4'-DDE	32.89473	0.00000	38.49110	117	36-117
4,4'-DDT	32.89473	18.60254	50.31390	96	49-124
Dieldrin	32.89473	0.00000	39.28831	119*	44-108
Endosulfan I	32.89473	0.00000	39.73993	121*	49-103
Endosulfan II	32.89473	0.00000	41.97469	128*	53-115
Endosulfan sulfate	32.89473	0.00000	39.18045	119*	51-110
Endrin	32.89473	0.00000	39.91786	121*	44-118
Endrin aldehyde	32.89473	0.00000	43.20491	131*	48-128
Endrin Ketone	32.89473	9.16009	43.00170	103	38-130
Heptachlor	32.89473	0.00000	39.18962	119*	47-113
Heptachlor epoxide	32.89473	0.00000	38.39512	117*	47-112
Methoxychlor	32.89473	0.00000	43.29785	132	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

3781355

FORM 3

## SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06017

SDG No.: 9809-235

Matrix Spike - Sample No.: 9809-235-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	S CONCENTRATION (ug/Kg)	S % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	33.11258	32.51533	98	18	20	31-111
alpha-BHC	33.11258	30.47654	92	15	20	22-112
beta-BHC	33.11258	36.28272	110	7	20	54-120
delta-BHC	33.11258	27.12536	82	8	20	10- 96
gamma-BHC (Lindane)	33.11258	32.17841	97	18	20	26-113
alpha-chlordane	33.11258	36.42203	110*	7	20	49-103
gamma-chlordane	33.11258	36.81434	111*	7	20	50-106
4,4'-DDD	33.11258	39.11516	118*	2	20	47-112
4,4'-DDE	33.11258	35.92079	108	8	20	36-117
4,4'-DDT	33.11258	51.62273	100	4	20	49-124
Dieldrin	33.11258	34.87580	105	12	20	44-108
Endosulfan I	33.11258	35.98871	109*	10	20	49-103
Endosulfan II	33.11258	37.60448	114	12	20	53-115
Endosulfan sulfate	33.11258	38.58301	116*	2	20	51-110
Endrin	33.11258	35.70096	108	11	20	44-118
Endrin aldehyde	33.11258	39.07491	118	10	20	48-128
Endrin Ketone	33.11258	36.00412	81	24*	20	38-130
Heptachlor	33.11258	35.22571	106	12	20	47-113
Heptachlor epoxide	33.11258	34.66362	105	11	20	47-112
Methoxychlor	33.11258	38.53526	116	13	20	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 1 out of 20 outside limits

Spike Recovery: 18 out of 40 outside limits

COMMENTS:

000059

3781356

Environmental Testing & Consulting, Inc.

## **Quality Control Reports**

**GC PCBs**

000060

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBs - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-235  
Method (SW-846) : 8082/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06017 P06017LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recoveries for Decachlorobiphenyl were flagged as outside QC Limits in samples 9809-235-01 (RA-TS-005) and MS/MSD associated with this project due to required dilutions. Review of the raw data showed interference from Non-Target Analytes present in the sample.

Laboratory Control Sample FORM 3  
P06017BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-235-01 RPD : All analytes within QC limits.  
RA-TS-005 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06017LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.\*  
\*

Due to interference from Non-Target Analytes, sample 9809-235-01 was diluted 1:10 to bring the analysis within calibration range.

  
Laboratory Manager

JCC0061

FORM 2  
SOIL PCB SURROGATE RECOVERY

3781358

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-235

Level:(low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06017LB	88	113							0
02	P06017BD	79	117							0
03	9809-235-1	69	163D							1
04	9809-235-1M	77	170D							1
05	9809-235-1S	83	164D							1
06										
07										
08										
09										
10										
11										
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30										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

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

000062

3781359

FORM 4  
PCB METHOD BLANK SUMMARY

EPA GC SAMPLE NO.

Lab Name:

P06017LB

Lab Prep Batch: P06017

SDG No.: 9809-235

Lab File ID: C209141A-08R

Instrument ID: PEST2A

Matrix: (soil/water) SOIL

Date Analyzed: 09/14/98

Level:(low/med) LOW

Time Analyzed: 2227

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06017BD		C209141A-09R	09/14/98
02	9809-235-1		C209141A-10R	09/14/98
03	9809-235-1M		C209141A-11R	09/15/98
04	9809-235-1S		C209141A-12R	09/15/98
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:



3781360

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

P06017LB

Lab Name:

SDG No.: 9809-235

Matrix: (soil/water) SOIL

Lab Prep Batch: P06017

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C209141A-08R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10(mL)

Date Analyzed: 09/14/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
12674-11-2-----	Aroclor 1016	16.67	U	
11104-28-2-----	Aroclor 1221	16.67	U	
11141-16-5-----	Aroclor 1232	16.67	U	
53469-21-9-----	Aroclor 1242	16.67	U	
11097-69-1-----	Aroclor 1254	16.67	U	
11096-82-5-----	Aroclor 1260	16.67	U	
12672-29-6-----	Aroclor 1248	16.67	U	

FORM I PCB

000064

3781361

FORM 3  
SOIL PCB LABORATORY CONTROL SAMPLE

Lab Name:

Lab Prep Batch: P06017

SDG No.: 9809-235

Matrix Spike - Sample No.: P06017BS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	BS CONCENTRATION (ug/Kg)	BS % REC #	QC. LIMITS REC.
Aroclor 1242	333.3		287.9	86	25-125
Aroclor 1260	333.3		330.1	99	25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limitsRPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PCB

JC0065

FORM 3  
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781362

Lab Name:

Lab Prep Batch: P06017

SDG No.: 9809-235

Matrix Spike - Sample No.: 9809-235-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	M CONCENTRATION (ug/Kg)	M % REC #	QC. LIMITS REC.
Aroclor 1242	332.2	0.000	290.5	87	25-125
Aroclor 1260	332.2	0.000	339.5	102	25-125

COMPOUND	SPIKE ADDED (ug/Kg)	S CONCENTRATION (ug/Kg)	S % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor 1242	331.1	298.0	90	3	20 25-125
Aroclor 1260	331.1	324.3	98	4	20 25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III PCB

000066

3781363

**IMPORTED CLEAN BACKFILL (TOP SOIL)  
CONFIRMATION SAMPLE**

*Date Collected 09/18/98*

**RA-TS-006**



ENVIRONMENTAL TESTING & CONSULTING, INC.

2024 Walnut Grove Road • Memphis, TN 38111 • (901) 327-2750 • FAX (901) 327-6331

Founded 1972

3781364

September 22, 1998

Ms. Elena Rodriguez  
OHM Remediation Services  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Ref: Analytical Testing  
ETC Order # 9809581  
Project Description DDMT

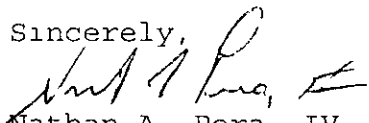
Project # 20560 Defense Depot - Memphis, TN

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

  
Nathan A. Pera, IV  
Chief Executive Officer

rt  
Attachment

OHM\_DDMT

3781365

# Chemical Analytical Data Review/Evaluation/Validation

SOUTHERN REGION

Report Type ☐ Preliminary ☒ Final Date Received: \_\_\_\_\_ Project Number: 20564  
 Project Name: DDMT Analysis/Method: TCL VOC, BNA, Pest/PCB, TAL metals  
 Laboratory: Specilized Assay PH, CN, org matter Lab Project/Case Number: 9809581  
 Sample Number(s): RA-TS-006

Evaluated By: S Paranjape Date Evaluated: 2/1/99  
 Data Package Deliverables Requirement: ☐ OHM Minimum ☒ OHM Standard ☐ OHM Maximum  
☐ Other, please describe \_\_\_\_\_

Quality Control Deliverables	Required	Received	Passed	Failed
PQL, MDL, RL, etc meets DQOs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment:				
Holding Times				
Comment:				
Sample Condition (preservatives, containers, temperature, etc) / Case Narrative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment:				
Surrogate Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment: <u>Out for BNA - matrix interference documented</u>				
Lab Control Sample Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment:				
Lab Control Sample Duplicate or Other Spike Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment: <u>Out for pest, recover over upper limit, sample result ND. Data OK</u>				
Lab Control Sample Duplicate or Other Laboratory Duplicate RPD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment:				
Matrix Spike Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment: <u>Out for metals, VOA, pest, PCB, LCS OK data accepted</u>				
Matrix Spike Duplicate Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment: <u>Out for metals, VOA, pest. LCS OK. Data accepted</u>				
Matrix Spike / Matrix Spike Duplicate RPD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment:				
Laboratory Blanks (daily, method, instrument)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment: <u>Ca detected, sample results 10x blank conc. data OK</u>				
Field Blanks (trip, eqpt rinsate, ambient, matrix)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comment:				

3781366

Quality Control Deliverables		Required	Received	Passed	Failed
Field Duplicates RPD		X	✓	✓	
Comment:	N/A				
Second Source Check					
Comment:					
Second Column Confirmation		X	✓	✓	
Comment:					
Percent Moisture/Solids				✓	
Comment:					
Initial / Continuing Calibrations		X	✓	✓	
Comment:					
Internal Standard Areas and Retention Times (Organics Only)		X	✓	✓	
Comment:					
Chromatograms		X	✓	✓	
Comment:					
Sample Prep Worksheets					
Comment:					
Raw Data Calculations					
Comment:					
Laboratory Duplicates					
Comment:					
Instrument Performance Checks (Organics Only)		X	✓	✓	
Comment:					
Tentatively Identified Compounds (TICs)		X	✓	✓	
Comment:					
Completeness	# Samples	# Analyses	Tot # Analyses	Tot # Accept Analyses	% Complete
Completeness = (Tot # Analyses / Tot # Accepted Analyses) x 100	1	7	7	7	100
General Comments:					

Summary: [ ] See attached pages

Check Applicable:

- [ ] Lab contacted—Corrective actions in process Date Contacted: \_\_\_\_\_
- [ ] Corrective actions received and accepted Date Received/Accepted: \_\_\_\_\_
- [x] The data, as reported by the laboratory, are acceptable.
- [ ] The data, with qualifiers as described in the "Summary" portion of this report, are acceptable.
- [ ] The data are unacceptable.
- [ ] Other \_\_\_\_\_

S. Pasany, epe  
Evaluator's Signature

2/1/59  
Date

**Environmental Testing & Consulting, Inc.**  
**Data Qualifiers for Organic Reporting**

Within the attached report, some analytical data may be reported as "Qualified Data" as indicated by a "Data Qualifier" next to the result. This table summarizes the possible "Data Qualifiers" that may be associated with this report

<b>Q</b>	Surrogate Recovery Outside QC Limits
<b>J</b>	Estimated Value. Presence of the compound was confirmed but less than the reported detection limit.
<b>E</b>	Concentration exceeds the established method calibration range but is within the working range of the instrument.
<b>B</b>	Analyte detected in the associated Method Blank.
<b>U</b>	Reported result was unconfirmed. Refer to Case Narrative.
<b>N</b>	Non-Compliance Report associated with this sample or project
<b>C</b>	Result reported from GC/MS confirmation analysis.
<b>NC</b>	Result reported from Primary Column Result did not confirm
<b>*</b>	QC Data (percent recovery/RPD for a particular analyte was outside QC Limits)



3781368

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ANALYTICAL SUMMARY TABLE**

Client Name OHM Remediation Services  
 Site ID DDMT  
 Memphis, TN

<u>ETC</u> <u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>
980958101	RA-TS-006	SOIL	6010B	Silver
980958101	RA-TS-006	SOIL	6010B	Aluminum
980958101	RA-TS-006	SOIL	7060A	Arsenic
980958101	RA-TS-006	SOIL	8270C	GC/MS Base/Neutral & Acid
980958101	RA-TS-006	SOIL	6010B	Barium
980958101	RA-TS-006	SOIL	6010B	Beryllium
980958101	RA-TS-006	SOIL	6010B	Calcium
980958101	RA-TS-006	SOIL	6010B	Cadmium
980958101	RA-TS-006	SOIL	9010A	Cyanide
980958101	RA-TS-006	SOIL	6010B	Cobalt
980958101	RA-TS-006	SOIL	6010B	Chromium
980958101	RA-TS-006	SOIL	6010B	Copper
980958101	RA-TS-006	SOIL	6010B	Iron
980958101	RA-TS-006	SOIL	7471A	Mercury
980958101	RA-TS-006	SOIL	6010B	Potassium
980958101	RA-TS-006	SOIL	6010B	Magnesium
980958101	RA-TS-006	SOIL	6010B	Manganese
980958101	RA-TS-006	SOIL	6010B	Sodium
980958101	RA-TS-006	SOIL	6010B	Nickel
980958101	RA-TS-006	SOIL	D2974-87	Fractional Organic Matter
980958101	RA-TS-006	SOIL	8081A	Organochlorine Pesticides
980958101	RA-TS-006	SOIL	7421	Lead
980958101	RA-TS-006	SOIL	8082	PCBs
980958101	RA-TS-006	SOIL	9045C	pH - Corrosivity
980958101	RA-TS-006	SOIL	6010B	Antimony
980958101	RA-TS-006	SOIL	7740	Selenium
980958101	RA-TS-006	SOIL	7841	Thallium
980958101	RA-TS-006	SOIL	8260B	GC/MS Volatile Organics
980958101	RA-TS-006	SOIL	6010B	Vanadium
980958101	RA-TS-006	SOIL	6010B	Zinc
980958102	TB-9-18-98	AQUEOUS	8260B	GC/MS Volatile Organics

3781369

**Environmental Testing & Consulting, Inc.**

**Login**  
**Chain-of-Custody**

| 02

000003



**OHM Remediation Services Corp**  
Subsidiary of OHM Corporation  
U.S. Route 234 East • Findlay, Ohio 45840 • (419) 423-3526

**CHAIN-OF-CUSTODY RECORD**

LABORATORY COPY

2180224

FORM 0019 REV 97

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	TAT	Analyses	Comments
1	RA-15-006		5/1	9/18/98	14:30	4/100	OHM	3 days	✓	✓
2	TR-9-18-98		5/1	9/18/98	14:30	4/100	OHM	3 days	✓	✓
3										
4										
5										
6										
7										
8										
9										
10										

SAFETY (CALL CTD BY) SEAN J. BALOG (COPIES AND AIR BIL NUMBER) Delivered in Person

REL INQUIRED BY REPORTER BARRY RECEIVED BY REPORTER BARRY DATE 5/18/98 TIME 1545

COOLER TEMPERATURE UPON RECEIPT \_\_\_\_\_

SAMPLE'S CONDITION UPON RECEIPT \_\_\_\_\_

Distribution White - Laboratory (To be returned with Analytical Report), Goldenrod - Project File, Yellow - Project Data Manager

0431842C

## COOLER RECEIPT FORM

3781371

Cooler Receipt Form  
9809581 CRF p 1

LIMS # 9809-581 Number of Coolers 1  
Date Received 09/18/98  
PROJECT DDMT/Memphis, TN VDTSR 09/18/98 15 45

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

A PRELIMINARY EXAMINATION PHASE Date cooler was opened 09/18/98  
by (print) Lynette Bugg (sign) Lynette Bugg

1 Did cooler come with a shipping slip (airbill, etc )? NO  
If YES, enter carrier name & airbill number \_\_\_\_\_

2a Were custody seals on outside of cooler? NO  
2b Were custody seals on sample containers? NO

3 Were custody seals unbroken and intact at the date and time of arrival? NA

4 Did you screen samples for radioactivity using a Geiger Counter? NO

5 Were custody papers sealed in a plastic bag & taped inside to the lid? NO

6 Were custody papers filled out properly (ink, signed, etc )? YES

7 Did you sign custody papers in the appropriate place? YES

8 Was project identifiable from custody papers? If YES, enter project name at top of this form YES

9 If required, was enough ice used? cooler temp <4°C, Type of ice Crushed YES

10 Have designated person initial here to acknowledge receipt of cooler LB date 09/18/98

B LOG-IN PHASE Date samples were logged-in 09/18/98  
by (print) Lynette Bugg (sign) Lynette Bugg

11 Describe type of packing in cooler Bubble Wrap and Ice

12 Were all bottles sealed in separate plastic bags? YES

13 Did all bottles arrive unbroken and were labels in good condition? YES

14 Were all bottle labels complete (ID, date, time, signature, preserved, etc )? YES

15 Did all bottle labels agree with custody papers? YES

16 Were correct containers used for the tests indicated? YES

17 Were correct preservatives added to samples? YES

18 Was a sufficient amount of sample sent for tests indicated? YES

19 Were bubbles absent in VOA samples? If NO, list by sample# \_\_\_\_\_ YES

20 Was the project manager called and status discussed? If YES, give details on the back of this form NO

21 Who was called? \_\_\_\_\_ By whom ? \_\_\_\_\_ (date) \_\_\_\_\_

VDTSR - Validated Date/Time of Sample Receipt (Date sample is logged into LIMS system)

000005

3781372

**Environmental Testing & Consulting, Inc.**

## **Sample Reports**

000006

ENVIRONMENTAL TESTING & CONSULTING, INC.  
Memphis, TN  
INORGANIC ANALYSIS DATA SHEET  
PERCENT SOLIDS

3781373

Client Name :OHM Remediation Services  
Project Name :DDMT  
Memphis, TN

Matrix :SOIL

Date Sample Received :09/18/98

Contract Laboratory Order Number :9809-581

<u>Contract Lab</u> <u>Sample No</u>	<u>Client Sample</u> <u>ID</u>	<u>Date</u> <u>Sampled</u>	<u>Result</u> <u>Units : (%)</u>	<u>Date</u> <u>Analyzed</u>	<u>Method</u>	<u>By</u>
9809-581-01	RA-TS-006	09/18/98	99	09/21/98	160.3	GD

  
LABORATORY MANAGER

000007

3781374

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**

Project # 20560

Site ID **Norcross, GA 30092**  
DDMT  
Memphis, TN

Date Arrived 09/18/98  
ETC Order Number 9809581

ETC Lab ID **9809581-01**  
**Sample ID: RA-TS-006**

Matrix :SOIL  
Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1 00		09/21/98 GD	9010A
Fractional Organic Matter	4.45	%	0		09/22/98 BA	D2974-87
pH - Corrosivity	5 1	SU			09/21/98 TL	9045C

  
LABORATORY MANAGER

000008

3781375

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**

Project # 20560

Norcross, GA 30092

Site ID DDMT  
 Memphis, TN

Date Arrived 09/18/98

ETC Order Number 9809581

ETC Lab ID 9809581-01

**Sample ID: RA-TS-006**

Matrix :SOIL

Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-27				NR	3051
Mercury Digestion Batch	V4-SO-33				RM	7471A
Silver	ND	mg/Kg	0.700	13:14	09/22/98	TD 6010B
Aluminum	11,300	mg/Kg	4.00	14:55	09/22/98	TD 6010B
Arsenic	11.4	mg/Kg	0.200	17:26	09/22/98	JF 7060A
Barium	66.0	mg/Kg	0.200	13:14	09/22/98	TD 6010B
Beryllium	0.485	mg/Kg	0.100	13:14	09/22/98	TD 6010B
Calcium	756	mg/Kg	1.00	13:14	09/22/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	13:14	09/22/98	TD 6010B
Cobalt	9.61	mg/Kg	0.700	13:14	09/22/98	TD 6010B
Chromium	15.7	mg/Kg	0.700	13:14	09/22/98	TD 6010B
Copper	15.9	mg/Kg	0.600	13:14	09/22/98	TD 6010B
Iron	22,200	mg/Kg	0.700	14:55	09/22/98	TD 6010B
Mercury	0.047	mg/Kg	0.020	13:55	09/21/98	RM 7471A
Potassium	905	mg/Kg	20.0	13:14	09/22/98	TD 6010B
Magnesium	2,310	mg/Kg	3.00	13:14	09/22/98	TD 6010B
Manganese	575	mg/Kg	0.200	13:14	09/22/98	TD 6010B
Sodium	58.3	mg/Kg	20.0	13:14	09/22/98	TD 6010B
Nickel	14.1	mg/Kg	1.50	13:14	09/22/98	TD 6010B
Lead	17.9	mg/Kg	0.100	13:06	09/22/98	TD 7421
Antimony	6.05	mg/Kg	3.20	13:14	09/22/98	TD 6010B
Selenium	0.320	mg/Kg	0.200	19:16	09/23/98	JF 7740
Thallium	0.261	mg/Kg	0.100	11:09	09/23/98	JF 7841
Vanadium	24.7	mg/Kg	0.800	13:14	09/22/98	TD 6010B
Zinc	51.5	mg/Kg	1.00	13:14	09/22/98	TD 6010B

  
 LABORATORY MANAGER

000009



3781376

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
 2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**  
 Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/18/98  
 ETC Order Number 9809581

ETC Lab ID **9809581-01**  
**Sample ID: RA-TS-006**

Matrix :SOIL  
 Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Volatile Organics							8260B
QC Batch	V1092101S	ug/Kg		09/21/98	09/21/98	LS	
Acetone	ND	ug/Kg	50.0				
Benzene	ND	ug/Kg	2.00				
Bromodichloromethane	ND	ug/Kg	2.00				
Bromoform	ND	ug/Kg	2.00				
Bromomethane	ND	ug/Kg	2.00				
Carbon Disulfide	ND	ug/Kg	25.0				
Carbon Tetrachloride	ND	ug/Kg	2.00				
Chlorobenzene	ND	ug/Kg	2.00				
Chlorodibromomethane	ND	ug/Kg	2.00				
Chloroethane	ND	ug/Kg	2.00				
Chloroform	ND	ug/Kg	2.00				
Chloromethane	ND	ug/Kg	2.00				
1,1-Dichloroethane	ND	ug/Kg	2.00				
1,2-Dichloroethane	ND	ug/Kg	2.00				
1,1-Dichloroethene	ND	ug/Kg	2.00				
trans-1,2-Dichloroethene	ND	ug/Kg	2.00				
1,2-Dichloropropane	ND	ug/Kg	2.00				
cis-1,3-Dichloropropene	ND	ug/Kg	2.00				
trans-1,3-Dichloropropene	ND	ug/Kg	2.00				
Ethylbenzene	ND	ug/Kg	2.00				
2-Hexanone (MBK)	ND	ug/Kg	50.0				
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	50.0				
2-Butanone (MEK)	ND	ug/Kg	50.0				
Methylene Chloride	ND	ug/Kg	50.0				
Styrene	ND	ug/Kg	2.00				
1,1,2,2-Tetrachloroethane	ND	ug/Kg	2.00				
Tetrachloroethene	ND	ug/Kg	2.00				
Toluene	ND	ug/Kg	2.00				
1,1,1-Trichloroethane	ND	ug/Kg	2.00				
1,1,2-Trichloroethane	ND	ug/Kg	2.00				
Trichloroethene	ND	ug/Kg	2.00				
Vinyl Acetate	ND	ug/Kg	25.0				
Vinyl Chloride	ND	ug/Kg	2.00				
o-Xylenes	ND	ug/Kg	2.00				
m-Xylenes	ND	ug/Kg	2.00				
p-Xylenes	ND	ug/Kg	2.00				
cis-1,2-Dichloroethene	ND	ug/Kg	2.00				

Surrogate Standard	% Recovery	QC Limits	
S1 - Dibromofluoromethane	104	85	119
S2 - Toluene-d8	95	87	114
S3 - 4-Bromofluorobenzene	101	75	111

  
 LABORATORY MANAGER

ND - Not Detected

000010

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

3781377  
CLIENT SAMPLE NO.

9809-581-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: 0601005

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 09/21/98

GC Column: ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-GCMS-TIC

000011

3781378

## ENVIRONMENTAL TESTING &amp; CONSULTING, INC.

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

## ORGANIC ANALYSIS DATA SHEET

Client Name OHM Remediation Services  
 Defense Depot - Memphis, TN  
 5445 Triangle Parkway  
 Suite 400  
 Norcross, GA 30092

Project # 20560  
 FID # DACA45-96-D-0014

Site ID DDMT  
 Memphis, TN

Date Arrived 09/18/98  
 ETC Order Number 9809581

ETC Lab ID 9809581-02  
**Sample ID: TB-9-18-98**

Matrix :AQUEOUS  
 Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Volatile Organics							
QC Batch	V1092102A	ug/L		09/21/98	09/21/98	LS	8260B
Acetone	ND	ug/L	50 0				
Benzene	ND	ug/L	1.00				
Bromodichloromethane	ND	ug/L	1.00				
Bromoform	ND	ug/L	1.00				
Bromomethane	ND	ug/L	1.00				
Carbon Disulfide	ND	ug/L	1.00				
Carbon Tetrachloride	ND	ug/L	1 00				
Chlorobenzene	ND	ug/L	1.00				
Chlorodibromomethane	ND	ug/L	1.00				
Chloroethane	ND	ug/L	1.00				
Chloroform	ND	ug/L	1.00				
Chloromethane	ND	ug/L	1.00				
1,1-Dichloroethane	ND	ug/L	1 00				
1,2-Dichloroethane	ND	ug/L	1 00				
1,1-Dichloroethene	ND	ug/L	1.00				
trans-1,2-Dichloroethene	ND	ug/L	1.00				
1,2-Dichloropropane	ND	ug/L	1.00				
cis-1,3-Dichloropropene	ND	ug/L	1 00				
trans-1,3-Dichloropropene	ND	ug/L	1.00				
Ethylbenzene	ND	ug/L	1.00				
2-Hexanone (MBK)	ND	ug/L	5.00				
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.00				
2-Butanone (MEK)	ND	ug/L	20 0				
Methylene Chloride	ND	ug/L	20 0				
Styrene	ND	ug/L	1 00				
1,1,2,2-Tetrachloroethane	ND	ug/L	1 00				
Tetrachloroethene	ND	ug/L	1 00				
Toluene	ND	ug/L	1.00				
1,1,1-Trichloroethane	ND	ug/L	1.00				
1,1,2-Trichloroethane	ND	ug/L	1.00				
Trichloroethene	ND	ug/L	1.00				
Vinyl Acetate	ND	ug/L	20.0				
Vinyl Chloride	ND	ug/L	1.00				
o-Xylenes	ND	ug/L	1.00				
m-Xylenes	ND	ug/L	1.00				
p-Xylenes	ND	ug/L	1 00				
cis-1,2-Dichloroethene	ND	ug/L	1 00				

Surrogate Standard	% Recovery	QC Limits	
S1 - Dibromofluoromethane	104	87	107
S2 - Toluene-d8	98	91	108
S3 - 4-Bromofluorobenzene	101	88	107

  
 LABORATORY MANAGER

ND - Not Detected

000012

3781379

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-581-2

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 10.00 (g/mL) ML

Lab File ID: 2301020

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 09/22/98

GC Column: ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I VOA-GCMS-TIC

000013

3781380

## ENVIRONMENTAL TESTING &amp; CONSULTING, INC.

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

## ORGANIC ANALYSIS DATA SHEET

Client Name OHM Remediation Services  
 Defense Depot - Memphis, TN  
 5445 Triangle Parkway  
 Suite 400  
 Norcross, GA 30092  
 Site ID DDMT  
 Memphis, TN

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/18/98  
 ETC Order Number 9809581

ETC Lab ID 9809581-01  
**Sample ID: RA-TS-006**

Matrix :SOIL  
 Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Base/Neutral & Acid							8270C
QC Batch	P04039	ug/Kg		09/21/98	09/22/98	RR	
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	ND	ug/Kg	67.0				
Benzo(b)fluoranthene	ND	ug/Kg	67.0				
Benzo(k)fluoranthene	ND	ug/Kg	67.0				
Benzo(g,h,i)perylene	ND	ug/Kg	67.0				
Benzo(a)pyrene	ND	ug/Kg	67.0				
Benzoic Acid	ND	ug/Kg	1670				
Benzyl Alcohol	ND	ug/Kg	170				
Bis(2-chloroethoxy)methane	ND	ug/Kg	170				
Bis(2-chloroethyl)ether	ND	ug/Kg	170				
Bis(2-chloroisopropyl)ether	ND	ug/Kg	170				
Bis(2-ethylhexyl)phthalate	ND	ug/Kg	170				
4-Bromophenyl phenyl ether	ND	ug/Kg	170				
Butyl benzyl phthalate	ND	ug/Kg	170				
4-Chloroaniline	ND	ug/Kg	170				
2-Chloronaphthalene	ND	ug/Kg	170				
4-Chloro-3-methylphenol	ND	ug/Kg	170				
2-Chlorophenol	ND	ug/Kg	170				
4-Chlorophenyl phenyl ether	ND	ug/Kg	170				
Chrysene	ND	ug/Kg	170				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Dibenzofuran	ND	ug/Kg	170				
D1-n-butyl phthalate	ND	ug/Kg	170				
1,2-Dichlorobenzene	ND	ug/Kg	170				
1,3-Dichlorobenzene	ND	ug/Kg	170				
1,4-Dichlorobenzene	ND	ug/Kg	170				
3,3'-Dichlorobenzidine	ND	ug/Kg	170				
2,4-Dichlorophenol	ND	ug/Kg	170				
2,6-Dichlorophenol	ND	ug/Kg	170				
Diethyl phthalate	ND	ug/Kg	170				
2,4-Dimethylphenol	ND	ug/Kg	170				
Dimethyl phthalate	ND	ug/Kg	170				
4,6-Dinitro-2-methylphenol	ND	ug/Kg	170				
2,4-Dinitrophenol	ND	ug/Kg	333				
2,4-Dinitrotoluene	ND	ug/Kg	170				
2,6-Dinitrotoluene	ND	ug/Kg	170				
D1-n-octyl phthalate	ND	ug/Kg	170				
Fluoranthene	ND	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Hexachlorobenzene	ND	ug/Kg	170				

  
 LABORATORY MANAGER

ND - Not Detected

000014

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781381**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 09/18/98  
ETC Order Number 9809581

ETC Lab ID 9809581-01  
**Sample ID: RA-TS-006**

Matrix :SOIL  
Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Base/Neutral & Acid				09/21/98	09/22/98	RR	8270C
Hexachlorobutadiene	ND	ug/Kg	170				
Hexachlorocyclopentadiene	ND	ug/Kg	170				
Hexachloroethane	ND	ug/Kg	170				
Indeno(1,2,3-cd)pyrene	ND	ug/Kg	67.0				
Isophorone	ND	ug/Kg	170				
2-Methylnaphthalene	ND	ug/Kg	170				
2-Methylphenol (o-cresol)	ND	ug/Kg	170				
3-Methylphenol (m-cresol)	ND	ug/Kg	170				
4-Methylphenol (p-cresol)	ND	ug/Kg	170				
Naphthalene	ND	ug/Kg	67.0				
Nitrobenzene	ND	ug/Kg	170				
2-Nitroaniline	ND	ug/Kg	170				
3-Nitroaniline	ND	ug/Kg	170				
4-Nitroaniline	ND	ug/Kg	170				
2-Nitrophenol	ND	ug/Kg	170				
4-Nitrophenol	ND	ug/Kg	170				
N-Nitrosodiphenylamine	ND	ug/Kg	170				
N-Nitrosodipropylamine	ND	ug/Kg	170				
Pentachlorophenol	ND	ug/Kg	170				
Phenanthrene	ND	ug/Kg	67.0				
Phenol	ND	ug/Kg	170				
Pyrene	ND	ug/Kg	67.0				
1,2,4-Trichlorobenzene	ND	ug/Kg	170				
2,4,5-Trichlorophenol	ND	ug/Kg	170				
2,4,6-Trichlorophenol	ND	ug/Kg	170				

Surrogate Standard	% Recovery	QC Limits
S1 - Nitrobenzene-d5	79	39 80
S2 - 2-Fluorobiphenyl	83	43 84
S3 - 4-Terphenyl-d14	82	40 121
S4 - Phenol-d6	74	31 94
S5 - 2,4,6-Tribromophenol	84	17 91
S6 - 2-Fluorophenol	79	23 89

  
LABORATORY MANAGER

ND - Not Detected

**000015**

3781382

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-581-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: 0901009

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/22/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

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

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0-00-0	10-METHYLNONADECANE	17.43	164	NJ
2. 56554-93-9	15-OCTADECENAL	18.25	186	NJ
3. 14021-23-9	D-FRIEDOOLEAN-14-ENE, 3-METH	20.98	1070	NJ
4. 83-48-7	STIGMASTEROL	21.08	1950	NJ
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FORM I BNA-GCMS-TIC

000016

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781383**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 09/18/98  
ETC Order Number 9809581

ETC Lab ID 9809581-01  
**Sample ID: RA-TS-006**

Matrix :SOIL  
Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides							8081A
QC Batch	P06019	ug/Kg		09/21/98	10/05/98	RG	
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	ND	ug/Kg	2.00				
4,4'-DDT	ND	ug/Kg	2.00				
Dieldrin	ND	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				
<b>Surrogate Standard</b>			<b>% Recovery</b>	<b>QC Limits</b>			
S1 - Decachlorobiphenyl		82		64	154		
S2 - Tetrachloro-m-xylene		78		39	130		

  
LABORATORY MANAGER

ND - Not Detected

**000017**



3781384

## ENVIRONMENTAL TESTING &amp; CONSULTING, INC.

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

## ORGANIC ANALYSIS DATA SHEET

Client Name OHM Remediation Services  
Defense Depot - Memphis, TN  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 09/18/98  
ETC Order Number 9809581

ETC Lab ID 9809581-01  
**Sample ID: RA-TS-006**

Matrix :SOIL  
Sample Date :09/18/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				09/21/98	09/23/98	RG	8082
QC Batch	P06019	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				
<u>Surrogate Standard</u>		<u>% Recovery</u>	<u>QC Limits</u>				
S1 - Tetrachloro-m-xylene	60		39	130			
S2 - Decachlorobiphenyl	68		64	154			

  
LABORATORY MANAGER

ND - Not Detected

000018

**3781385**

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Inorganics**

**000019**

3781386

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
INORGANICS

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581

**HOLDING TIMES**

Sample Analysis : All samples analyzed within Method Specified  
Holding Times.

**CALIBRATION**

Laboratory Control Sample : All criteria met.

**QUALITY CONTROL**

Matrix Spike

Spike Recovery : All analytes within QC limits

Method Blank

No Target Analytes detected above Detection Limit.

  
Laboratory Manager

000020

**Environmental Testing & Consulting, Inc.**  
**Inorganic QC Data Summary**

**3781387**

**Client Name** OHM Remediation Services  
**Project** DDMT-Memphis, TN

**ETC Order Number** 9809-581  
**File Name** 9809-581 1

**Method Blank**

Analyte	Date Analyzed	Blank Concentration mg/Kg	QC Batch
Cyanide	09/21/98	<1.00	CY092198

**Calibration Verification (CV)**

Analyte	Date Analyzed	CV Conc mg/L	CV Conc Found	% Difference
Cyanide	09/21/98	0.200	0.207	4.0

**Laboratory Control Sample (LCS)**

Analyte	Date Analyzed	LCS Conc mg/Kg	LCS Conc Found	% Recovery
Cyanide	09/21/98	20.0	19.2	96.0

**Matrix Spike/Matrix Spike Duplicate**

Sample ID	Analyte	Spike mg/Kg	Sample mg/Kg	MS Conc Found	MS % Recovery	QC Limits	RPD
9809-581-01 MS	Cyanide	20.0	<1.00	20.3	102	70-130	
9809-581-01 MSD	Cyanide	18.5	<1.00	18.0	97.0	70-130	5

**Duplicates**

Sample ID	Analysis	Sample Result %	Duplicate Result %	% RPD <20%
9809-581-01	Organic Matter	4.45	3.90	13

3781388

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Metals  
ICP/GFAA/CV**

000022

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781389

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V8-SO-27  
Mercury V4-SO-33

Sample Analysis : All samples digested and analyzed within 180 days of collection.  
Mercury Analysis : All samples analyzed within 28 days of collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer  
Dilutions Required : No dilutions required.\*

\*  
Dilutions were performed on several samples to bring the Target Analyte(s) within calibration range (C) or to remove spectral interference (I) as indicated.

Sample ID	Metal	Dilution Factor	Sample ID	Metal	Dilution Factor
9809-581-01	Arsenic	1:2(C)	9809-581-01	Iron	1:5(C)
9809-581-01	Aluminum	1:5(C)	9809-581-01	Lead	1:5(C)

Due to low recoveries and failing Post Digestion Spike, all Selenium data was reported based on the Method of Standard Additions.

**QUALITY CONTROL**

9809-581.MQCBLANK  
Method Blank  
V8-SO-27BLK - ICP/GFAA Metals  
V4-SO-33BLK - Mercury

Calcium identified in V8-SO-27 at 2.40 mg/Kg.

9809-581.MQCLCS  
Laboratory Control Sample(s)  
V8-SO-27LCS - ICP/GFAA Metals  
V4-SO-33LCS - Mercury

All criteria met.

000023

3781390

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581

## QUALITY CONTROL

## 9809-581.MQCMSMSD

Matrix Spike / Matrix Spike Dup - ICP Metals

9809-581-01

RPD : All analytes within QC limits.\*

RA-TS-006

Spike Recovery : All analytes within QC limits.\*

\*

Recoveries for Antimony were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. A Post Digestion Spike was performed for verification :

Analyte	mg/L Expected	mg/L Found	% Recovery	QA Evaluation
Antimony	0.530	0.502	95	Pass

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. RPD for Manganese was flagged as outside QC Limits. Dilution Tests were performed for verification :

Analyte	No Dilution	1:5 Dilution	1:25 Dilution	% Difference	QA Evaluation
Aluminum	-----	11300 mg/Kg	11100 mg/Kg	2	Pass
Iron	-----	22200	22200	0	Pass
Manganese	575	588	-----	2	Pass
Potassium	905	928	-----	3	Pass
Magnesium	2310	2350	-----	2	Pass
Zinc	51.5	51.2	-----	1	Pass

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Graphite Metals

9809-581-01

RPD : All analytes within QC limits.

RA-TS-006

Spike Recovery : All analytes within QC limits.\*

\*

Recoveries for Lead were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amount. In addition, concentrations of Arsenic were high relative to the spike amount. Dilution Tests were performed for verification :

Analyte	1:2 Dilution	1:10 Dilution	% Difference	QA Evaluation
Arsenic	11.4 mg/Kg	10.8 mg/Kg	5	Pass

Analyte	1:5 Dilution	1:25 Dilution	% Difference	QA Evaluation
Lead	17.9 mg/Kg	16.3 mg/Kg	9	Pass

Recoveries for Selenium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

000024

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781391

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581

**QUALITY CONTROL**

Matrix Spike / Matrix Spike Dup - Hg  
9809-581-01 RPD : All analytes within QC limits.  
RA-TS-006 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Dilution Test - Dilution result must agree within 10% of original  
result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

000025



3781392

SOLID METHOD BLANK  
METALS

Lab Name

Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals

V8-SO-27 BLK

QC Batch

V8-SO-27

Laboratory ID Mercury

V4-SO-33 BLKV4-SO-33

Date Sample Prepared

09/21/98

ICP/GFAA Metals

09/21/98

Mercury

Metals	Concentration mg/Kg	Detection Limit mg/Kg	Date Analyzed	Method
Silver	<0.700	0.700	09/22/98	6010B
Aluminum	<4.00	4.00	09/22/98	6010B
Arsenic	<0.200	0.200	09/22/98	7060A
Barium	<0.200	0.200	09/22/98	6010B
Beryllium	<0.100	0.100	09/22/98	6010B
Calcium	2.40	1.00	09/22/98	6010B
Cadmium	<0.400	0.400	09/22/98	6010B
Cobalt	<0.700	0.700	09/22/98	6010B
Chromium	<0.700	0.700	09/22/98	6010B
Copper	<0.600	0.600	09/22/98	6010B
Iron	<0.700	0.700	09/22/98	6010B
Potassium	<20.0	20.0	09/22/98	6010B
Magnesium	<3.00	3.00	09/22/98	6010B
Manganese	<0.200	0.200	09/22/98	6010B
Sodium	<20.0	20.0	09/22/98	6010B
Nickel	<1.50	1.50	09/22/98	6010B
Lead	<0.100	0.100	09/22/98	7421
Antimony	<3.20	3.20	09/22/98	6010B
Selenium	<0.200	0.200	09/22/98	7740
Thallium	<0.100	0.100	09/23/98	7841
Vanadium	<0.800	0.800	09/22/98	6010B
Zinc	<1.00	1.00	09/22/98	6010B
Mercury	<0.020	0.020	09/21/98	7471A

Metals Blank

9809-581.MQCBLANK

000026

3781393

SOLID LABORATORY CONTROL SAMPLE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory Control ID	ICP/GFAA Metals	<u>V8-SO-27</u>	LCS	QC Batch
	Mercury	<u>V4-SO-33</u>	LCS	<u>V8-SO-27</u>
				<u>V4-SO-33</u>

Date Prepared	ICP/GFAA Metals	<u>09/21/98</u>	
	Mercury	<u>09/21/98</u>	

Metals	Spike Added mg/Kg	Found mg/Kg	% R	#	QC Limits	
Silver	20 0	20 1	101		80	120
Aluminum	200	197	99		80	120
Arsenic	5 00	4 25	85		85	115
Barium	200	188	94		80	120
Beryllium	20 0	20 1	101		80	120
Calcium	400	419	105		80	120
Cadmium	20 0	20 6	103		80	120
Cobalt	100	99 6	100		80	120
Chromium	40 0	42 4	106		80	120
Copper	40 0	40 2	101		80	120
Iron	200	208	104		80	120
Potassium	400	393	98		80	120
Magnesium	400	411	103		80	120
Manganese	20 0	20 4	102		80	120
Sodium	400	416	104		80	120
Nickel	100	102	102		80	120
Lead	2 00	2 01	101		85	115
Antimony	200	195	98		80	120
Selenium	5 00	4 28	86		85	115
Thallium	2 00	1 88	94		85	115
Vanadium	100	102	102		80	120
Zinc	20 0	21 0	105		80	120
Mercury	0 167	0 160	96		80	120

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

Metals Laboratory Control Sample

9809-581 mqcLCS

000027

3781394

SOLID MATRIX SPIKE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-581-01	QC Batch V8-SO-27
Laboratory ID MS Mercury	9809-581-01	V4-SO-33

Date Sample Prepared	09/21/98	ICP/GFAA Metals
	09/21/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MS Conc mg/Kg	RPD < 20% #	MS % Rec #	QC Limits	
Silver	19.4	ND	19.0	7	98	75	125
Aluminum	194	11300	11000	10	-155 *	75	125
Arsenic	4.76	11.4	15.3	1	82	70	130
Barium	194	66 0	243	1	91	75	125
Beryllium	19.4	0.485	19.8	4	100	75	125
Calcium	389	756	1130	1	96	75	125
Cadmium	19.4	ND	19.2	5	99	75	125
Cobalt	97 1	9 61	102	3	95	75	125
Chromium	38 9	15 7	54 1	4	99	75	125
Copper	38.9	15.9	53.4	1	96	75	125
Iron	194	22200	20900	7	-670 *	75	125
Potassium	389	905	1260	9	91	75	125
Magnesium	389	2310	2650	4	87	75	125
Manganese	19.4	575	555	21 *	-103 *	75	125
Sodium	389	58.3	442	2	99	75	125
Nickel	97.1	14.1	109	4	98	75	125
Lead	1 91	17 9	17.6	6	-16 *	70	130
Antimony	194	6 05	0	0	-3 *	75	125
Selenium	4.76	0 291	2.64	4	49 *	70	130
Thallium	1.91	0.261	1 99	7	91	70	130
Vanadium	97.1	24.7	111	2	89	75	125
Zinc	19.4	51 5	69.3	3	92	75	125
Mercury	0.159	0.047	0 192	6	91	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike

9809-581.MQCMSMSD

000028

SOLID MATRIX SPIKE DUPLICATE  
METALS

3781395

Lab Name Environmental Testing and Consulting, Inc

	QC Batch	
Laboratory ID MS ICP/GFAA Metals	9809-581-01	V8-SO-27
Laboratory ID MS Mercury	9809-581-01	V4-SO-33

Date Sample Prepared	09/21/98	ICP/GFAA Metals
	09/21/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MSD Conc mg/Kg		MSD % Rec	QC Limits	
						#	
Silver	18.4	ND	17.7		96	75	125
Aluminum	184	14300	12100		-1196	*	75 125
Arsenic	5.05	11.4	15.1		73	70	130
Barium	184	66.0	245		97	75	125
Beryllium	18.4	0.485	19.1		101	75	125
Calcium	367	756	1120		99	75	125
Cadmium	18.4	ND	18.3		100	75	125
Cobalt	91.8	9.61	98.7		97	75	125
Chromium	36.7	15.7	52.2		100	75	125
Copper	36.7	15.9	53.0		101	75	125
Iron	184	22200	22400		109	75	125
Potassium	367	905	1380		129	*	75 125
Magnesium	367	2310	2750		120	75	125
Manganese	18.4	575	682		582	*	75 125
Sodium	367	58.3	435		103	75	125
Nickel	91.8	14.1	105		99	75	125
Lead	2.02	17.9	18.6		35	*	70 130
Antimony	184	6.05	0		-3	*	75 125
Selenium	5.05	0.291	2.54		45	*	70 130
Thallium	2.02	0.261	2.13		93	70	130
Vanadium	91.8	24.7	109		92	75	125
Zinc	18.4	51.5	71.4		108	75	125
Mercury	0.167	0.047	0.203		93	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike Duplicate

9809-581 MQCMSMSD

000029

3781396

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Volatiles**

**000030**

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - SOIL

3781397

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8260B/5030B

**HOLDING TIMES**

Sample Analysis : All samples analyzed within 14 days of collection.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
V1092101S V109211LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
V109211BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-581-01 RPD : All analytes within QC limits.\*  
RA-TS-006 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries and RPDs for multiple analytes were flagged outside QC Limits in the Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
V109211LB

No Target Analytes detected above the reporting limit.

**CALIBRATION**

BFB Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*  
\*

Calibration Verification(CV) : Date 09/21/98 Time 0906

Analyte	%Diff(30% Max)	Response
n-Butylbenzene	37.0	High
tert-Butylbenzene	36.0	High
Hexachlorobutadiene	43.0	High
Iodomethane	40.0	High
4-Isopropyltoluene	36.0	High
Pentachloroethane	122.0	High
1,2,4-Trimethylbenzene	31.0	High
1,2,4-Trichlorobenzene	32.0	High

These analytes were not Target Analytes associated with this project.  
The data was not affected.

000031

3781398

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8260B/5030B

**CALIBRATION**

Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times  
within QC limits.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000032

FORM 2  
SOIL VOA-GCMS SYSTEM MONITORING COMPOUND RECOVERY

3781399

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
01	V109211LB	100	96	102		0
02	9809-581-1	104	95	101		0
03	V109211BS	98	95	98		0
04	9809-581-1M	104	94	98		0
05	9809-581-1S	104	95	102		0
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QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (85-119)  
 SMC2 (TOL) = Toluene-d8 (87-114)  
 SMC3 (BFB) = Bromofluorobenzene (75-111)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000033



3781400

FORM 4  
VOA-GCMS METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

V109211LB

Lab Name: ETC, INC.

Lab Prep Batch: V1092101

SDG No.: 9809-581

Lab File ID: 0302004

Lab Prep Batch: V1092101S

Date Analyzed: 09/21/98

Time Analyzed: 1049

GC Column: ID: 2 (mm)

Heated Purge: (Y/N) Y

Instrument ID: VOC1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	9809-581-1		0601005	1251
02	V109211BS		1401011	1841
03	9809-581-1M		1501012	1923
04	9809-581-1S		1601013	2005
05				
06				
07				
08				
09				
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COMMENTS:

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

3781401  
CLIENT SAMPLE NO.

V109211LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: V1092101S

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 0302004

Level: (low/med) LOW

Date Analyzed: 09/21/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

67-64-1-----	Acetone	50.0	U
71-43-2-----	Benzene	2.00	U
75-27-4-----	Bromodichloromethane	2.00	U
75-25-2-----	Bromoform	2.00	U
74-83-9-----	Bromomethane	2.00	U
75-15-0-----	Carbon Disulfide	25.0	U
56-23-5-----	Carbon Tetrachloride	2.00	U
108-90-7-----	Chlorobenzene	2.00	U
124-48-1-----	Chlorodibromomethane	2.00	U
75-00-3-----	Chloroethane	2.00	U
67-66-3-----	Chloroform	2.00	U
74-87-3-----	Chloromethane	2.00	U
75-34-3-----	1,1-Dichloroethane	2.00	U
107-06-2-----	1,2-Dichloroethane	2.00	U
75-35-4-----	1,1-Dichloroethene	2.00	U
156-59-4-----	cis-1,2-Dichloroethene	2.00	U
156-60-5-----	trans-1,2-Dichloroethene	2.00	U
78-87-5-----	1,2-Dichloropropane	2.00	U
10061-01-5-----	cis-1,3-Dichloropropene	2.00	U
10061-02-6-----	trans-1,3-Dichloropropene	2.00	U
100-41-4-----	Ethylbenzene	2.00	U
591-78-6-----	2-Hexanone	50.0	U
75-09-2-----	Methylene Chloride	50.0	U
78-93-3-----	Methyl-Ethyl Ketone	50.0	U
108-10-1-----	4-Methyl-2-Pentanone	50.0	U
100-42-5-----	Styrene	2.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	2.00	U
127-18-4-----	Tetrachloroethene	2.00	U
108-88-3-----	Toluene	2.00	U
71-55-6-----	1,1,1-Trichloroethane	2.00	U
79-00-5-----	1,1,2-Trichloroethane	2.00	U
79-01-6-----	Trichloroethene	2.00	U
108-05-4-----	Vinyl Acetate	25.0	U

FORM I VOA-GCMS

000035

3781402

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V109211LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: V1092101S

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 0302004

Level: (low/med) LOW

Date Analyzed: 09/21/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/KG	Q
75-01-4-----	Vinyl Chloride	2.00	U
1330-20-7-----	Xylene-mp	2.00	U
95-47-6-----	Xylene-o	2.00	U

FORM I VOA-GCMS

000036

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

3781403

Lab Name: ETC, INC.

Lab Prep Batch: V1092101S

SDG No.: 9809-581

Matrix Spike - Sample No.: V109211BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100		67.4	67	59-151
Benzene	100		88.0	88	72-124
Bromodichloromethane	100		95.7	96	68-119
Bromoform	100		101	101	66-136
Bromomethane	100		86.4	86	40-134
Carbon Disulfide	100		101	101	60-133
Carbon Tetrachloride	100		96.2	96	64-123
Chlorobenzene	100		89.9	90	77-112
Chlorodibromomethane	100		97.5	98	72-118
Chloroethane	100		84.2	84	64-142
Chloroform	100		99.0	99	70-115
Chloromethane	100		84.0	84	58-139
1,1-Dichloroethane	100		91.5	92	76-118
1,2-Dichloroethane	100		88.5	88	62-124
1,1-Dichloroethene	100		94.5	94	69-121
cis-1,2-Dichloroethene	100		93.0	93	76-114
trans-1,2-Dichloroethene	100		96.6	97	72-121
1,2-Dichloropropane	100		94.6	95	64-133
cis-1,3-Dichloropropene	100		96.4	96	77-120
trans-1,3-Dichloropropene	100		96.8	97	73-124
Ethylbenzene	100		91.5	92	77-111
2-Hexanone	100		92.5	92	53-144
Methylene Chloride	100		101	101	67-115
Methyl-Ethyl Ketone	100		116	116	55-151
4-Methyl-2-Pentanone	100		94.2	94	42-144
Styrene	100		103	103	77-117
1,1,1,2-Tetrachloroethane	100		96.7	97	79-113
Tetrachloroethene	100		81.4	81	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

000037

3781404

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: V1092101S

SDG No.: 9809-581

Matrix Spike - Sample No.: V109211BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Toluene	100		89.3	89	77-115
1,1,1-Trichloroethane	100		92.5	92	63-122
1,1,2-Trichloroethane	100		94.0	94	69-117
Trichloroethene	100		96.3	96	75-113
Vinyl Acetate	100		92.1	92	28-146
Vinyl Chloride	100		84.2	84	65-134
Xylene-mp	200		191	96	77-115
Xylene-o	100		96.2	96	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 36 outside limits

COMMENTS:

FORM 3  
SOIL VOA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781405

Lab Name: ETC, INC.

Lab Prep Batch: V1092101S

SDG No.: 9809-581

Matrix Spike - Sample No.: 9809-581-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Benzene	526	0.000	276	52*	72-124
Chlorobenzene	526	0.000	255	48*	77-112
1,1-Dichloroethene	526	0.000	308	58*	69-121
Toluene	526	0.000	271	52*	77-115
Trichloroethene	526	0.000	288	55*	75-113

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Benzene	370	282	76	38*	20	72-124
Chlorobenzene	370	248	67*	33*	20	77-112
1,1-Dichloroethene	370	330	89	42*	20	69-121
Toluene	370	272	74*	35*	20	77-115
Trichloroethene	370	291	79	36*	20	75-113

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 5 out of 5 outside limits

Spike Recovery: 7 out of 10 outside limits

COMMENTS:

FORM III VOA-GCMS

000039

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - AQUEOUS

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8260B/5030B

**HOLDING TIMES**

Sample Analysis : All samples analyzed within 14 days of collection.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
V1092102A V109212LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
V109212BS/BD

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
RPD : NA\*  
Spike Recovery : NA\*

\*  
Due to the limited amount of sample available, no MS/MSD were analyzed.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
V109212LB

No Target Analytes detected above the reporting limit.

**CALIBRATION**

BFB Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*

Calibration Verification(CV) : Date 09/21/98 Time 2229

Analyte	%Diff(30% Max)	Response
Dichlorodifluoromethane	38.6	Low
Pentachloroethane	68.0	High

These analytes were not Target Analytes associated with this project.  
The data was not affected.

Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times within QC limits.

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - AQUEOUS

3781407

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN

ETC Order # : 9809-581  
Method (SW-846) : 8260B/5030B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000041



3781408

FORM 2  
WATER VOA-GCMS SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
01	V109212LB	101	99	101		0
02	9809-581-2	104	98	101		0
03	V109212BS	97	95	98		0
04	V109212BD	98	94	105		0
05						
06						
07						
08						
09						
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28						
29						
30						

QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (87-107)  
 SMC2 (TOL) = Toluene-d8 (91-108)  
 SMC3 (BFB) = Bromofluorobenzene (88-107)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000042

FORM 4  
VOA-GCMS METHOD BLANK SUMMARY

3781409

CLIENT SAMPLE NO.

V109212LB

Lab Name: ETC, INC.,

Lab Prep Batch: V1092102

Lab File ID: 2201019

Date Analyzed: 09/21/98

GC Column: ID: 2 (mm)

Instrument ID: VOC1

SDG No.: 9809-581

Lab Prep Batch: V1092102A

Time Analyzed: 2353

Heated Purge: (Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	9809-581-2		2301020	0035
02	V109212BS		2901026	0446
03	V109212BD		3001027	0529
04				
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COMMENTS:

3781410

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V109212LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) WATER

Lab Prep Batch: V1092102A

Sample wt/vol: 10.00 (g/mL) ML

Lab File ID: 2201019

Level: (low/med) LOW

Date Analyzed: 09/21/98

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

67-64-1-----	Acetone	50.0	U
71-43-2-----	Benzene	1.00	U
75-27-4-----	Bromodichloromethane	1.00	U
75-25-2-----	Bromoform	1.00	U
74-83-9-----	Bromomethane	1.00	U
75-15-0-----	Carbon Disulfide	1.00	U
56-23-5-----	Carbon Tetrachloride	1.00	U
108-90-7-----	Chlorobenzene	1.00	U
124-48-1-----	Chlorodibromomethane	1.00	U
75-00-3-----	Chloroethane	1.00	U
67-66-3-----	Chloroform	1.00	U
74-87-3-----	Chloromethane	1.00	U
75-34-3-----	1,1-Dichloroethane	1.00	U
107-06-2-----	1,2-Dichloroethane	1.00	U
75-35-4-----	1,1-Dichloroethene	1.00	U
156-59-4-----	cis-1,2-Dichloroethene	1.00	U
156-60-5-----	trans-1,2-Dichloroethene	1.00	U
78-87-5-----	1,2-Dichloropropane	1.00	U
10061-01-5-----	cis-1,3-Dichloropropene	1.00	U
10061-02-6-----	trans-1,3-Dichloropropene	1.00	U
100-41-4-----	Ethylbenzene	1.00	U
591-78-6-----	2-Hexanone	5.00	U
75-09-2-----	Methylene Chloride	20.0	U
78-93-3-----	Methyl-Ethyl Ketone	20.0	U
108-10-1-----	4-Methyl-2-Pentanone	5.00	U
100-42-5-----	Styrene	1.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	1.00	U
127-18-4-----	Tetrachloroethene	1.00	U
108-88-3-----	Toluene	1.00	U
71-55-6-----	1,1,1-Trichloroethane	1.00	U
79-00-5-----	1,1,2-Trichloroethane	1.00	U
79-01-6-----	Trichloroethene	1.00	U
108-05-4-----	Vinyl Acetate	20.0	U

FORM I VOA-GCMS

000044

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

3781411

CLIENT SAMPLE NO.

V109212LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) WATER

Lab Prep Batch: V1092102A

Sample wt/vol: 10.00 (g/mL) ML

Lab File ID: 2201019

Level: (low/med) LOW

Date Analyzed: 09/21/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4-----	Vinyl Chloride	1.00	U
1330-20-7-----	Xylene-mp	1.00	U
95-47-6-----	Xylene-o	1.00	U

14  
21

FORM I VOA-GCMS

000045

3781412

FORM 3  
WATER VOA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: V1092102A

SDG No.: 9809-581

Matrix Spike - Sample No.: V109212BS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Acetone	100		64.0	64	59-151
Benzene	100		93.9	94	72-124
Bromodichloromethane	100		95.6	96	68-119
Bromoform	100		101	101	66-136
Bromomethane	100		83.1	83	40-134
Carbon Disulfide	100		101	101	60-133
Carbon Tetrachloride	100		103	103	64-123
Chlorobenzene	100		95.1	95	77-112
Chlorodibromomethane	100		97.1	97	72-118
Chloroethane	100		80.4	80	64-142
Chloroform	100		105	105	70-115
Chloromethane	100		73.8	74	58-139
1,1-Dichloroethane	100		96.0	96	76-118
1,2-Dichloroethane	100		89.2	89	62-124
1,1-Dichloroethene	100		98.2	98	69-121
cis-1,2-Dichloroethene	100		97.6	98	76-114
trans-1,2-Dichloroethene	100		101	101	72-121
1,2-Dichloropropane	100		96.4	96	64-133
cis-1,3-Dichloropropene	100		95.2	95	77-120
trans-1,3-Dichloroprope	100		95.8	96	73-124
Ethylbenzene	100		95.8	96	77-111
2-Hexanone	100		81.8	82	53-1
Methylene Chloride	100		103	103	67-1
Methyl-Ethyl Ketone	100		94.8	95	55-151
4-Methyl-2-Pentanone	100		85.4	85	42-144
Styrene	100		107	107	77-117
1,1,1,2-Tetrachloroetha	100		106	106	79-113
Tetrachloroethene	100		87.3	87	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FORM 3  
WATER VOA-GCMS LABORATORY CONTROL SAMPLE

3781413

Lab Name: ETC, INC.

Lab Prep Batch: V1092102A

SDG No.: 9809-581

Matrix Spike - Sample No.: V109212BS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Toluene	100		96.0	96	77-115
1,1,1-Trichloroethane	100		97.1	97	63-122
1,1,2-Trichloroethane	100		92.4	92	69-117
Trichloroethene	100		99.7	100	75-113
Vinyl Acetate	100		98.4	98	28-146
Vinyl Chloride	100		79.4	79	65-134
Xylene-mp	200		200	100	77-115
Xylene-o	100		102	102	77-115

1.1

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3781414

FORM 3  
WATER VOA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: V1092102A

SDG No.: 9809-581

Matrix Spike - Sample No.: V109212BD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Acetone	100	68.0	68	6	20	59-151
Benzene	100	93.4	93	1	20	72-124
Bromodichloromethane	100	99.2	99	3	20	68-119
Bromoform	100	109	109	8	20	66-136
Bromomethane	100	84.2	84	1	20	40-134
Carbon Disulfide	100	99.4	99	2	20	60-133
Carbon Tetrachloride	100	99.7	100	3	20	64-123
Chlorobenzene	100	98.9	99	4	20	77-112
Chlorodibromomethane	100	100	100	3	20	72-118
Chloroethane	100	81.3	81	1	20	64-142
Chloroform	100	106	106	1	20	70-115
Chloromethane	100	72.9	73	1	20	58-139
1,1-Dichloroethane	100	95.1	95	1	20	76-118
1,2-Dichloroethane	100	91.5	92	3	20	62-124
1,1-Dichloroethene	100	95.2	95	3	20	69-121
cis-1,2-Dichloroethene	100	97.7	98	0	20	76-114
trans-1,2-Dichloroethene	100	101	101	0	20	72-121
1,2-Dichloropropane	100	98.8	99	3	20	64-133
cis-1,3-Dichloropropene	100	98.1	98	3	20	77-120
trans-1,3-Dichloropropene	100	98.6	99	3	20	73-124
Ethylbenzene	100	101	101	5	20	77-111
2-Hexanone	100	92.8	93	12	20	53-111
Methylene Chloride	100	105	105	2	20	67-111
Methyl-Ethyl Ketone	100	106	106	11	20	55-151
4-Methyl-2-Pentanone	100	95.6	96	12	20	42-144
Styrene	100	113	113	5	20	77-117
1,1,1,2-Tetrachloroethane	100	110	110	4	20	79-113
Tetrachloroethene	100	89.8	90	3	20	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FORM 3  
WATER VOA-GCMS LABORATORY CONTROL SAMPLE

3781415

Lab Name: ETC, INC.

Lab Prep Batch: V1092102A

SDG No.: 9809-581

Matrix Spike - Sample No.: V109212BD

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Toluene	100	94.6	95	1	20	77-115
1,1,1-Trichloroethane	100	97.6	98	1	20	63-122
1,1,2-Trichloroethane	100	96.2	96	4	20	69-117
Trichloroethene	100	102	102	2	20	75-113
Vinyl Acetate	100	97.3	97	1	20	28-146
Vinyl Chloride	100	77.2	77	2	20	65-134
Xylene-mp	200	207	104	4	20	77-115
Xylene-o	100	108	108	6	20	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 36 outside limits

Spike Recovery: 0 out of 72 outside limits

COMMENTS:



3781416

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Semi-Volatiles**

000050

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

3781417

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8270C/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P04039 P04039LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*

\*  
Surrogate recoveries for multiple analytes were flagged for high recovery in several samples associated with this project. Method Blank P04039LB, Blank Spike P04039BS, and 9809-581-01MSD were re-analyzed for verification with similar recoveries.

Laboratory Control Sample FORM 3  
P04039BS

All criteria met.\*  
\*

Recovery for 4-Chloroaniline was flagged outside QC Limits in the Blank Spike P04039BS. This analyte was not identified in sample associated with this project. The data was not affected.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-581-01 RPD : All analytes within QC limits.  
RA-TS-006 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P04039LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*

\*  
Calibration Verification(CV) : Date 09/22/98 Time 0543

Analyte	%Diff(30% Max)	Response
Benzoic Acid	76.4	High

High response indicates that reported level for this analyte may be biased high. Recovery for Benzoic Acid was within QC Limits in Blank Spike P04039BS associated with this project. The data was not affected.

000051

3781418

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8270C/3550B

**CALIBRATION**

Semi-Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times  
within QC limits.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000052

3781419

Contract: '

SDG No.: 9809-581

1

OC LIMITS

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

3781420

FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

CLIENT SAMPLE NO

P04039LB

Lab Name: ETC, INC.

Lab Prep Batch: P04039

SDG No.: 9809-581

Lab File ID: 0301003

Instrument ID: BNA2

Matrix: (soil/water) SOIL

Date Analyzed: 09/22/98

Level:(low/med) LOW

Time Analyzed: 0618

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P04039BS		0401004	09/22/98
02	9809-581-1		0901009	09/22/98
03	9809-581-1M		1001010	09/22/98
04	9809-581-1S		1101011	09/22/98
05	P04039BS		1701017	09/22/98
06	9809-581-1S		1801018	09/22/98
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COMMENTS:

3781421

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04039LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: P04039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/22/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	167	U
208-96-8-----	Acenaphthylene	167	U
120-12-7-----	Anthracene	167	U
56-55-3-----	Benzo(a)Anthracene	167	U
205-99-2-----	Benzo(b)fluoranthene	167	U
207-08-9-----	Benzo(k)fluoranthene	167	U
191-24-2-----	Benzo(g,h,i)perylene	167	U
50-32-8-----	Benzo(a)pyrene	167	U
65-85-0-----	Benzoic Acid	1670	U
100-51-6-----	Benzyl Alcohol	167	U
111-44-4-----	bis(2-Chloroethyl)ether	167	U
111-91-1-----	Bis(2-chloroethoxy)methane	167	U
39638-32-9-----	bis(2-Chloroisopropyl)ether	167	U
117-81-7-----	bis(2-ethylhexyl)Phthalate	167	U
101-55-3-----	4-Bromophenyl-phenylether	167	U
85-68-7-----	Butylbenzylphthalate	167	U
106-47-8-----	4-Chloroaniline	167	U
59-50-7-----	4-Chloro-3-Methylphenol	167	U
91-58-7-----	2-Chloronaphthalene	167	U
95-57-8-----	2-Chlorophenol	167	U
7005-72-3-----	4-Chlorophenyl-phenylether	167	U
218-01-9-----	Chrysene	167	U
53-70-3-----	Dibenzo(a,h)anthracene	167	U
132-64-9-----	Dibenzofuran	167	U
84-74-2-----	Di-n-Butylphthalate	167	U
95-50-1-----	1,2-Dichlorobenzene	167	U
541-73-1-----	1,3-Dichlorobenzene	167	U
106-46-7-----	1,4-Dichlorobenzene	167	U
91-94-1-----	3,3'-Dichlorobenzidine	167	U
120-83-2-----	2,4-Dichlorophenol	167	U
87-65-0-----	2,6-Dichlorophenol	167	U
84-66-2-----	Diethylphthalate	167	U

FORM I BNA-GCMS

000055

3781422

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04039LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: P04039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/22/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
105-67-9-----	2,4-Dimethyphenol	167 U	
131-11-3-----	Dimethylphthalate	167 U	
534-52-1-----	4,6-Dinitro-2-methylphenol	167 U	
51-28-5-----	2,4-Dinitrophenol	333 U	
121-14-2-----	2,4-Dinitrotoluene	167 U	
606-20-2-----	2,6-Dinitrotoluene	167 U	
117-84-0-----	Di-n-octylphthalate	167 U	
86-30-6-----	Diphenylamine/n-NDPA	167 U	
206-44-0-----	Fluoranthene	167 U	
86-73-7-----	Fluorene	167 U	
118-74-1-----	Hexachlorobenzene	167 U	
87-68-3-----	Hexachlorobutadiene	167 U	
77-47-4-----	Hexachlorocyclopentadiene	167 U	
67-72-1-----	Hexachloroethane	167 U	
193-39-5-----	Indeno(1,2,3-cd)pyrene	167 U	
78-59-1-----	Isophorone	167 U	
91-57-6-----	2-Methylnaphthalene	167 U	
95-48-7-----	2-Methylphenol	167 U	
106-44-5-----	3&4-Methylphenol	167 U	
91-20-3-----	Naphthalene	167 U	
88-74-4-----	2-Nitroaniline	167 U	
99-09-2-----	3-Nitroaniline	167 U	
100-01-6-----	4-Nitroaniline	167 U	
98-95-3-----	Nitrobenzene	167 U	
88-75-5-----	2-Nitrophenol	167 U	
100-02-7-----	4-Nitrophenol	167 U	
621-64-7-----	N-Nitrosodinpropylamine	167 U	
87-86-5-----	Pentachlorophenol	167 U	
85-01-8-----	Phenanthrene	167 U	
108-95-2-----	Phenol	167 U	
129-00-0-----	Pyrene	167 U	
120-82-1-----	1,2,4-Trichlorobenzene	167 U	

FORM I BNA-GCMS

000056

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

3781423  
CLIENT SAMPLE NO.

P04039LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: P04039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/22/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-95-4-----	2,4,5-Trichlorophenol	167	U
88-06-2-----	2,4,6-Trichlorophenol	167	U

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FORM I BNA-GCMS

000057



3781424

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P04039

SDG No.: 9809-581

Matrix Spike - Sample No.: P04039BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1670		1430	86	34-126
Acenaphthylene	1670		1470	88	62-123
Anthracene	1670		1460	87	68-124
Benzo(a)Anthracene	1670		1540	92	60-133
Benzo(b)fluoranthene	1670		1560	93	67-126
Benzo(k)fluoranthene	1670		1570	94	75-131
Benzo(g,h,i)perylene	1670		1560	93	53-137
Benzo(a)pyrene	1670		1500	90	68-129
Benzoic Acid	3330		3120	94	37-251
Benzyl Alcohol	1670		1410	84	20-159
bis(2-Chloroethyl) ether	1670		1660	99	25-147
Bis(2-chloroethoxy)meth	1670		1270	76	37-153
bis(2-Chloroisopropyl)e	1670		1430	86	35-138
bis(2-ethylhexyl)Phthal	1670		1450	87	60-150
4-Bromophenyl-phenyleth	1670		1460	87	59-130
Butylbenzylphthalate	1670		1530	92	71-137
4-Chloroaniline	1670		431	26*	27-106
4-Chloro-3-Methylphenol	3330		3250	98	33-147
2-Chloronaphthalene	1670		1500	90	62-126
2-Chlorophenol	3330		3100	93	35-138
4-Chlorophenyl-phenylet	1670		1480	89	60-128
Chrysene	1670		1680	100	67-131
Dibenzo(a,h)anthracene	1670		1460	87	51-121
Dibenzofuran	1670		1490	89	57-131
Di-n-Butylphthalate	1670		1460	87	39-179
1,2-Dichlorobenzene	1670		1400	84	58-110
1,3-Dichlorobenzene	1670		1400	84	55-109
1,4-Dichlorobenzene	1670		1310	78	26-121

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781425

Lab Name: ETC, INC.

Lab Prep Batch: P04039.

SDG No.: 9809-581

Matrix Spike - Sample No.: P04039BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
3,3'-Dichlorobenzidine	3330		3620	109	18-191
2,4-Dichlorophenol	3330		3000	90	68-123
2,6-Dichlorophenol	3330		3320	99	45-157
Diethylphthalate	1670		1540	92	72-133
2,4-Dimethyphenol	3330		2740	82	53-121
Dimethylphthalate	1670		1530	92	64-132
4,6-Dinitro-2-methylphe	3330		3380	102	70-158
2,4-Dinitrophenol	3330		3820	115	31-186
2,4-Dinitrotoluene	1670		1580	95	22-139
2,6-Dinitrotoluene	1670		1490	89	64-142
Di-n-octylphthalate	1670		1460	87	42-172
Diphenylamine/n-NDPA	1670		1450	87	72-118
Fluoranthene	1670		1460	87	71-132
Fluorene	1670		1460	87	65-126
Hexachlorobenzene	1670		1520	91	64-130
Hexachlorobutadiene	1670		1460	87	62-116
Hexachlorocyclopentadie	1670		1410	84	16-160
Hexachloroethane	1670		1380	83	58-110
Indeno(1,2,3-cd)pyrene	1670		1440	86	34-170
Isophorone	1670		1460	87	35-135
2-Methylnaphthalene	1670		1360	81	57-123
2-Methylphenol	3330		3760	113	56-132
3&4-Methylphenol	3330		3010	90	68-111
Naphthalene	1670		1350	81	62-113
2-Nitroaniline	1670		1450	87	63-138
3-Nitroaniline	1670		1470	88	53-128
4-Nitroaniline	1670		1490	89	60-140
Nitrobenzene	1670		1420	85	59-123
2-Nitrophenol	3330		3040	91	52-145

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3781426

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P04039

SDG No.: 9809-581

Matrix Spike - Sample No.: P04039BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Nitrophenol	3330		3300	99	12-105
N-Nitrosodipropylamine	1670		1440	86	24-141
Pentachlorophenol	3330		3450	104	6-164
Phenanthrene	1670		1500	90	66-128
Phenol	3330		2880	86	22-127
Pyrene	1670		1480	89	33-155
1,2,4-Trichlorobenzene	1670		1430	86	30-127
2,4,6-Trichlorophenol	3330		3830	115	50-173
2,4,6-Trichlorophenol	3330		3280	98	46-161

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 1 out of 66 outside limits

COMMENTS:

000060

3781427

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P04039

SDG No.: 9809-581

Matrix Spike - Sample No.: 9809-581-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	3250	0.00	2550	78	34-126
4-Chloro-3-Methylphenol	5190	0.00	4870	94	33-147
2-Chlorophenol	5190	0.00	4580	88	35-138
1,4-Dichlorobenzene	3250	0.00	2360	73	26-121
2,4-Dinitrotoluene	3250	0.00	2550	78	22-139
4-Nitrophenol	5190	0.00	3840	74	12-105
N-Nitrosodipropylamine	3250	0.00	2340	72	24-141
Pentachlorophenol	5190	0.00	4730	91	6-164
Phenol	5190	0.00	3580	69	22-127
Pyrene	3250	0.00	2640	81	33-155
1,2,4-Trichlorobenzene	3250	0.00	2670	82	30-127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Acenaphthene	3280	2730	83	6	20	34-126
4-Chloro-3-Methylphenol	5240	5190	99	5	20	33-147
2-Chlorophenol	5240	5060	96	9	20	35-138
1,4-Dichlorobenzene	3280	2540	77	5	20	26-121
2,4-Dinitrotoluene	3280	2740	84	7	20	22-139
4-Nitrophenol	5240	4200	80	8	20	12-105
N-Nitrosodipropylamine	3280	2590	79	9	20	24-141
Pentachlorophenol	5240	4940	94	3	20	6-164
Phenol	5240	3980	76	10	20	22-127
Pyrene	3280	2780	85	5	20	33-155
1,2,4-Trichlorobenzene	3280	2920	89	8	20	30-127

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 11 outside limits  
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

FORM III BNA-GCMS

000061

3781428

Environmental Testing & Consulting, Inc.

## Quality Control Reports

GC Pesticides

000062

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781429

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8081A/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06019 P06019LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06019BS

All criteria met.\*

\*

Multiple analytes were flagged for high recovery in P06019BS. High recovery indicates that detection levels were not affected. These analytes were not identified in the sample associated with this project. The data was not affected.

Matrix Spike / Matrix Spike Dup FORM 3

9809-581-01

RPD : All analytes within QC limits.

RA-TS-006A

Spike Recovery : All analytes within QC limits.\*

\*

Recoveries for multiple analytes were flagged outside QC Limits in the Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06019LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*  
Endrin/Breakdown : All criteria met. FORM 7A

\*

Calibration Verification(CV) : P110041A.22R (Primary)

Analyte	%Diff(15% Max)	Response
delta-BHC	38.5	High
Endosulfan sulfate	26.4	High
Endrin Ketone	17.8	High

000063

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN

ETC Order # : 9809-581  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

High responses indicate that reported levels for these analytes may be biased high. Sample 9809-581-01 and MS/MSD were the only project samples associated with this CV. Recoveries for delta-BHC and Endrin Ketone were within QC Limits in P06019BS. No Target Analytes were identified in the sample. The data was not affected.

Calibration Verification(CV) : P110041A.23R (Primary)

Analyte	%Diff(15% Max)	Response
delta-BHC	30.4	High
4,4'-DDT	16.2	Low
Endosulfan sulfate	21.4	High
Endrin	20.3	Low

High responses indicate that reported levels for these analytes may be biased high. Low responses indicate that reported levels for these analytes may be biased low. Sample 9809-581-01 and MS/MSD were the only project samples associated with this CV. Recoveries for delta-BHC, 4,4'-DDT, and Endrin Ketone were within QC Limits in P06019BS. No Target Analytes were identified in the sample. The data was not affected.

Calibration Verification(CV) : P109211B.21R (Confirmation)

Analyte	%Diff(15% Max)	Response
4,4'-DDD	17.0	High
4,4'-DDE	17.0	High
4,4'-DDT	20.5	High
Endosulfan I	25.0	High
Endosulfan II	19.5	High
Endosulfan sulfate	18.5	High
Endrin aldehyde	52.5	High
Endrin ketone	21.5	High
Heptachlor	24.5	High
Methoxychlor	37.0	High

High recoveries indicate that reported levels for this analyte may be biased high. Method Blank and Laboratory Control Sample were the only samples associated with this CV. Recoveries for most of these analytes were flagged for high recovery in P06019BS while others were within acceptable QC range. The data for sample 9809-581-01 was not affected.

Calibration Verification(CV) : P109211B.22R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin aldehyde	49.5	High

High response indicates that reported level for this analyte may be biased high. Method Blank and Laboratory Control Sample were the only samples associated with this CV. Recovery for Endrin aldehyde was flagged for high recovery in P06019BS. The data for sample 9809-581-01 was not affected.

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781431

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8081A/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000065



3781432

FORM 2  
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

Level: (low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06019LB	80	103							0
02	P06019BS	103	104							0
03	9809-581-1	78	82							0
04	9809-581-1MS	87	114							0
05	9809-581-1MS	94	117							0
06										
07										
08										
09										
10										
11										
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24										
25										
26										
27										
28										
29										
30										

S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

QC LIMITS

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

000066

FORM 4  
PESTICIDE METHOD BLANK SUMMARY

3781433

EPA GC SAMPLE NO.

P06019LB

Lab Name: ETC, INC.

Lab Prep Batch: P06019

Lab File ID: P109211B-12R

Matrix: (soil/water) SOIL

Level:(low/med) LOW

SDG No.: 9809-581

Instrument ID: PEST1B

Date Analyzed: 09/21/98

Time Analyzed: 2253

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06019BS		P109211B-17R	09/22/98
02	9809-581-1		P110041A-18R	10/05/98
03	9809-581-1MS		P110041A-19R	10/05/98
04	9809-581-1MS		P110041A-20R	10/05/98
05				
06				
07				
08				
09				
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11				
12				
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29				
30				

COMMENTS:

3781434

FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

P06019LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: P06019

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P109211B-12R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10 (mL)

Date Analyzed: 09/21/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

309-00-2-----	Aldrin	1.33	U
319-84-6-----	alpha-BHC	1.33	U
319-85-7-----	beta-BHC	1.33	U
319-86-8-----	delta-BHC	1.33	U
58-89-9-----	gamma-BHC	1.33	U
5103-71-9-----	alpha-chlordane	1.33	U
5103-74-2-----	gamma-chlordane	1.33	U
72-54-8-----	4,4'-DDD	1.33	U
72-55-9-----	4,4'-DDE	1.33	U
50-29-3-----	4,4'-DDT	1.33	U
60-57-1-----	Dieldrin	1.33	U
959-98-8-----	Endosulfan I	1.33	U
33213-65-9-----	Endosulfan II	1.33	U
1031-07-8-----	Endosulfan sulfate	1.33	U
72-20-8-----	Endrin	1.33	U
7421-93-4-----	Endrin aldehyde	1.33	U
53494-70-5-----	Endrin ketone	1.33	U
76-44-8-----	Heptachlor	1.33	U
1024-57-3-----	Heptachlor epoxide	1.33	U
72-43-5-----	Methoxychlor	1.33	U

FORM I PESTICIDE

000068

FORM 3  
SOIL PESTICIDE LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06019

SDG No.: 9809-581

Matrix Spike - Sample No.: P06019BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	33.33		30.86	92	31-111
alpha-BHC	33.33		28.80	86	22-112
beta-BHC	33.33		35.53	107	54-120
delta-BHC	33.33		25.09	75	10- 96
gamma-BHC	33.33		30.49	91	26-113
alpha-chlordane	33.33		34.95	105*	49-103
gamma-chlordane	33.33		35.63	107*	50-106
4,4'-DDD	33.33		39.21	118*	47-112
4,4'-DDE	33.33		38.68	116	36-117
4,4'-DDT	33.33		40.00	120	49-124
Dieldrin	33.33		36.15	108	44-108
Endosulfan I	33.33		38.79	116*	49-103
Endosulfan II	33.33		39.89	120*	53-115
Endosulfan sulfate	33.33		37.77	113*	51-110
Endrin	33.33		34.56	104	44-118
Endrin aldehyde	33.33		48.41	145*	48-128
Endrin ketone	33.33		39.82	119	38-130
Heptachlor	33.33		38.64	116*	47-113
Heptachlor epoxide	33.33		34.28	103	47-112
Methoxychlor	33.33		47.72	143	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 8 out of 20 outside limits

COMMENTS: \_\_\_\_\_

3781436

## FORM 3

## SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06019

SDG No.: 9809-581

Matrix Spike - Sample No.: 9809-581-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	33.22259	0.00000	33.53553	101	31-111
alpha-BHC	33.22259	0.62803	34.50656	102	22-112
beta-BHC	33.22259	0.00000	40.40875	122*	54-120
delta-BHC	33.22259	0.00000	32.45429	98*	10- 96
gamma-BHC (Lindane)	33.22259	0.00000	37.12322	112	26-113
alpha-chlordane	33.22259	0.00000	39.28700	118*	49-103
gamma-chlordane	33.22259	0.63986	40.13395	119*	50-106
4,4'-DDD	33.22259	0.61061	36.43699	108	47-112
4,4'-DDE	33.22259	0.48210	37.23613	111	36-117
4,4'-DDT	33.22259	1.50091	36.71188	106	49-124
Dieldrin	33.22259	0.00000	36.80043	111*	44-108
Endosulfan I	33.22259	0.00000	39.96618	120*	49-103
Endosulfan II	33.22259	0.00000	40.38282	122*	53-115
Endosulfan sulfate	33.22259	1.03115	44.72178	132*	51-110
Endrin	33.22259	0.57911	36.87819	109	44-118
Endrin aldehyde	33.22259	0.00000	43.94410	132*	48-128
Endrin Ketone	33.22259	0.00000	44.47369	134*	38-130
Heptachlor	33.22259	0.59253	36.23438	107	47-111
Heptachlor epoxide	33.22259	0.00000	38.94593	117*	47-111
Methoxychlor	33.22259	0.00000	34.27656	103	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS:

3781437

FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06019

SDG No.: 9809-581

Matrix Spike - Sample No.: 9809-581-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	32.89473	32.61141	99	2	20	31-111
alpha-BHC	32.89473	33.97923	101	1	20	22-112
beta-BHC	32.89473	38.67335	118	3	20	54-120
delta-BHC	32.89473	31.72009	96	2	20	10- 96
gamma-BHC (Lindane)	32.89473	35.81636	109	3	20	26-113
alpha-chlordane	32.89473	38.40203	117*	1	20	49-103
gamma-chlordane	32.89473	38.69609	116*	2	20	50-106
4,4'-DDD	32.89473	37.33458	112	4	20	47-112
4,4'-DDE	32.89473	35.67704	107	4	20	36-117
4,4'-DDT	32.89473	33.92163	98	8	20	49-124
Dieldrin	32.89473	36.29596	110*	1	20	44-108
Endosulfan I	32.89473	38.06826	116*	3	20	49-103
Endosulfan II	32.89473	38.35586	117*	4	20	53-115
Endosulfan sulfate	32.89473	38.91574	115*	14	20	51-110
Endrin	32.89473	35.68234	107	2	20	44-118
Endrin aldehyde	32.89473	42.36954	129*	2	20	48-128
Endrin Ketone	32.89473	42.12060	128	4	20	38-130
Heptachlor	32.89473	34.58449	103	4	20	47-113
Heptachlor epoxide	32.89473	37.23672	113*	3	20	47-112
Methoxychlor	32.89473	32.24329	98	5	20	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 19 out of 40 outside limits

COMMENTS:

**3781438**

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC PCBs**

**000072**

ENVIRONMENTAL TESTING AND CONSULTING, INC..  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBs - SOIL

3781439

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8082/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06019 P06019LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recovery for Decachlorobiphenyl was flagged as outside QC Limits in sample 9809-581-01MS(RA-TS-006). Review of the raw data showed no obvious matrix interference. Surrogate recovery for Tetrachloro-m-xylene was within QC Limits.

Laboratory Control Sample FORM 3  
P06019BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-581-01 RPD : All analytes within QC limits.\*  
RA-TS-006 Spike Recovery : All analytes within QC limits.  
\*  
RPD for Aroclor 1242 was flagged as outside QC Limits due to higher recovery in the Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06019LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*  
\*

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	19.2	Low

Low response indicates that reported levels for this analyte may be biased low. Surrogate recoveries for Tetrachloro-m-xylene for all samples associated with this project were within QC Limits. The data was not affected.

000073



ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBs - SOIL

3781440

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-581  
Method (SW-846) : 8082/3550B

**CALIBRATION**

Calibration Verification(CV) : C209222A.36R (Primary)  

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	16.8	Low

Low response indicates that reported levels for this analyte may be biased low. Surrogate recoveries for Tetrachloro-m-xylene for all samples associated with this project were within QC Limits. The data was not affected.

Calibration Verification(CV) : C209222A.47R (Primary)  

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	17.6	Low

Low response indicates that reported levels for this analyte may be biased low. Surrogate recoveries for Tetrachloro-m-xylene for all samples associated with this project were within QC Limits. The data was not affected.

Calibration Verification(CV) : C209222A.48R (Primary)  

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	18.0	Low

Low response indicates that reported levels for this analyte may be biased low. Surrogate recoveries for Tetrachloro-m-xylene for all samples associated with this project were within QC Limits. The data was not affected.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000074

FORM 2  
SOIL PCB SURROGATE RECOVERY

3781441

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-581

Level:(low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	9809-581-1	60	68							0
02	9809-581-1M	54	59*							1
03	9809-581-1S	78	72							0
04	P06019BS	69	80							0
05	P06019LB	68	94							0
06										
07										
08										
09										
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30										

QC LIMITS  
S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

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

000075

3781442

FORM 4  
PCB METHOD BLANK SUMMARY

EPA GC SAMPLE NO.

P06019LB

Lab Name: ETC, INC.

Lab Prep Batch: P06019

SDG No.: 9809-581

Lab File ID: C209241A-10R

Instrument ID: PEST2A

Matrix: (soil/water) SOIL

Date Analyzed: 09/25/98

Level: (low/med) LOW

Time Analyzed: 0020

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	9809-581-1		C209222A-31R	09/23/98
02	9809-581-1M		C209222A-32R	09/23/98
03	9809-581-1S		C209222A-33R	09/23/98
04	P06019BS		C209222A-39R	09/23/98
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

3781443

EPA GC SAMPLE NO.

P06019LB

Lab Name: ETC, INC.

SDG No.: 9809-581

Matrix: (soil/water) SOIL

Lab Prep Batch: P06019

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C209241A-10R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10 (mL)

Date Analyzed: 09/25/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor 1016	16.67	U
11104-28-2-----	Aroclor 1221	16.67	U
11141-16-5-----	Aroclor 1232	16.67	U
53469-21-9-----	Aroclor 1242	16.67	U
11097-69-1-----	Aroclor 1254	16.67	U
11096-82-5-----	Aroclor 1260	16.67	U
12672-29-6-----	Aroclor 1248	16.67	U

FORM I PCB

000077

3781444

FORM 3  
SOIL PCB LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06019

SDG No.: 9809-581

Matrix Spike - Sample No.: P06019BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor 1242	333.3		278.4	84	25-125
Aroclor 1260	333.3		285.5	86	25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PCB

000078

FORM 3  
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781445

Lab Name: ETC, INC.

Lab Prep Batch: P06019

SDG No.: 9809-581

Matrix Spike - Sample No.: 9809-581-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor 1242	332.2	0.000	238.5	72	25-125
Aroclor 1260	332.2	0.000	228.1	69	25-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor 1242	333.3	304.1	91	23*	20	25-125
Aroclor 1260	333.3	273.2	82	17	20	25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 1 out of 2 outside limits  
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III PCB

000079

**COMPOSITE CONFIRMATION SAMPLE COLLECTED  
FOLLOWING EXCAVATION IN AREA C**

*Date Collected 09/21/98*

**RA-C-015 (Composite of Grids C14, C15, C16 & C5)**

**RA-C-016 (Duplicate of RA-C-015)**

**RA-C-017 (Composite of Grids C10, C11, C12 & C13)**



## ENVIRONMENTAL TESTING &amp; CONSULTING, INC.

2921 Walnut Grove Road • Memphis, TN 38111 • (901) 327-2750 • FAX (901) 327-6331

Founded 1972

September 25, 1998

Ms. Elena Rodriguez  
OHM Remediation Services  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Ref: Analytical Testing  
ETC Order # 9809658  
Project Description DDMT

Project # 20560 Defense Depot - Memphis, TN

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read 'N. Pera'.

Nathan A. Pera, IV  
Chief Executive Officer

rt  
Attachment

OHM\_DDMT



3781448

Chemical Analytical Data  
Review/Evaluation/Validation

SOUTHERN REGION

Report Type: ☐ Preliminary ☒ Final Date Received: \_\_\_\_\_ Project Number: 20560  
 Project Name DDMT Analysis/Method: TEL Port/POB PAH, TAL  
metals in  
 Laboratory ETC Lab Project/Case Number: 9309653  
 Sample Number(s): RA-C - D.S. - 016, -017

Evaluated By: S. P. ... Date Evaluated: 2/2/99

Data Package Deliverables Requirement: ☐ OHM Minimum ☒ OHM Standard ☐ OHM Maximum

☐ Other, please describe \_\_\_\_\_

Quality Control Deliverables	Required	Received	Passed	Failed
PQL, MDL, RL, etc meets DQOs			<input checked="" type="checkbox"/>	
Comment:				
Holding Times			<input checked="" type="checkbox"/>	
Comment:				
Sample Condition (preservatives, containers, temperature, etc) / Case Narrative	X		<input checked="" type="checkbox"/>	
Comment:				
Surrogate Recoveries	X		<input checked="" type="checkbox"/>	
Comment: High on BNA, some ND, results accepted. Also many interferences documented, results accepted. Post DBC out may				
Lab Control Sample Recoveries	X		<input checked="" type="checkbox"/>	
Comment:				
Lab Control Sample Duplicate or Other Spike Recoveries	X			
Comment:				
Lab Control Sample Duplicate or Other Laboratory Duplicate RPD	X			
Comment:				
Matrix Spike Recoveries	X		<input checked="" type="checkbox"/>	
Comment: out for metals, LCS OK, data accepted				
Matrix Spike Duplicate Recoveries	X		<input checked="" type="checkbox"/>	
Comment: out for metals, BNA LCS OK, RPD OK. MS OK for BNA. All data accepted.				
Matrix Spike / Matrix Spike Duplicate RPD	X		<input checked="" type="checkbox"/>	
Comment:				
Laboratory Blanks (daily, method, instrument)	X		<input checked="" type="checkbox"/>	
Comment:				
Field Blanks (trip, eqpt rinsate, ambient, matrix)	X			
Comment: N/A				

3781449

Quality Control Deliverables		Required	Received	Passed	Failed
Field Duplicates RPD		X			
Comment:	N/A				
Second Source Check					
Comment:	N/A				
Second Column Confirmation		✓		✓	
Comment:					
Percent Moisture/Solids					
Comment:					
Initial / Continuing Calibrations				✓	
Comment:	control on for BNA, results - passed J, accepted				
Internal Standard Areas and Retention Times (Organics Only)				✓	
Comment:					
Chromatograms		✓		✓	
Comment:					
Sample Prep Worksheets		✓		✓	
Comment:					
Raw Data Calculations					
Comment:	N/A				
Laboratory Duplicates					
Comment:					
Instrument Performance Checks (Organics Only)				✓	
Comment:					
Tentatively Identified Compounds (TICs)				✓	
Comment:					
Completeness	# Samples	# Analyses	Tot # Analyses	Tot # Accept Analyses	% Complete
Completeness = (Tot # Analyses / Tot # Accepted Analyses) x 100	3	4	12	12	100
General Comments:					

Summary: [ ] See attached pages

Results accepted with J - Day for BNA

Check Applicable:

- ☐ Lab contacted—Corrective actions in process      Date Contacted: \_\_\_\_\_  
☐ Corrective actions received and accepted      Date Received/Accepted: \_\_\_\_\_  
☐ The data, as reported by the laboratory, are acceptable.  
☒ The data, with qualifiers as described in the "Summary" portion of this report, are acceptable.  
☐ The data are unacceptable.  
☐ Other \_\_\_\_\_

Evaluator's Signature

Date

**Environmental Testing & Consulting, Inc.**  
**Data Qualifiers for Organic Reporting**

Within the attached report, some analytical data may be reported as "Qualified Data" as indicated by a "Data Qualifier" next to the result. This table summarizes the possible "Data Qualifiers" that may be associated with this report.

<b>Q</b>	Surrogate Recovery Outside QC Limits
<b>J</b>	Estimated Value. Presence of the compound was confirmed but less than the reported detection limit
<b>E</b>	Concentration exceeds the established method calibration range but is within the working range of the instrument
<b>B</b>	Analyte detected in the associated Method Blank.
<b>U</b>	Reported result was unconfirmed. Refer to Case Narrative.
<b>N</b>	Non-Compliance Report associated with this sample or project
<b>C</b>	Result reported from GC/MS confirmation analysis.
<b>NC</b>	Result reported from Primary Column. Result did not confirm.
<b>*</b>	QC Data (percent recovery/RPD for a particular analyte was outside QC Limits)

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ANALYTICAL SUMMARY TABLE**

3781451

Client Name OHM Remediation Services  
Site ID DDMT  
Memphis, TN

ETC				
<u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>
980965801	RA-C-015	SOIL	6010B	Silver
980965801	RA-C-015	SOIL	6010B	Aluminum
980965801	RA-C-015	SOIL	7060A	Arsenic
980965801	RA-C-015	SOIL	8270C	GC/MS PAH
980965801	RA-C-015	SOIL	6010B	Barium
980965801	RA-C-015	SOIL	6010B	Beryllium
980965801	RA-C-015	SOIL	6010B	Calcium
980965801	RA-C-015	SOIL	6010B	Cadmium
980965801	RA-C-015	SOIL	9010A	Cyanide
980965801	RA-C-015	SOIL	6010B	Cobalt
980965801	RA-C-015	SOIL	6010B	Chromium
980965801	RA-C-015	SOIL	6010B	Copper
980965801	RA-C-015	SOIL	6010B	Iron
980965801	RA-C-015	SOIL	7471A	Mercury
980965801	RA-C-015	SOIL	6010B	Potassium
980965801	RA-C-015	SOIL	6010B	Magnesium
980965801	RA-C-015	SOIL	6010B	Manganese
980965801	RA-C-015	SOIL	6010B	Sodium
980965801	RA-C-015	SOIL	6010B	Nickel
980965801	RA-C-015	SOIL	8081A	Organochlorine Pesticides
980965801	RA-C-015	SOIL	7421	Lead
980965801	RA-C-015	SOIL	8082	PCBs
980965801	RA-C-015	SOIL	6010B	Antimony
980965801	RA-C-015	SOIL	7740	Selenium
980965801	RA-C-015	SOIL	7841	Thallium
980965801	RA-C-015	SOIL	6010B	Vanadium
980965801	RA-C-015	SOIL	6010B	Zinc
980965802	RA-C-016	SOIL	6010B	Silver
980965802	RA-C-016	SOIL	6010B	Aluminum
980965802	RA-C-016	SOIL	7060A	Arsenic
980965802	RA-C-016	SOIL	8270C	GC/MS PAH
980965802	RA-C-016	SOIL	6010B	Barium
980965802	RA-C-016	SOIL	6010B	Beryllium
980965802	RA-C-016	SOIL	6010B	Calcium
980965802	RA-C-016	SOIL	6010B	Cadmium
980965802	RA-C-016	SOIL	9010A	Cyanide
980965802	RA-C-016	SOIL	6010B	Cobalt
980965802	RA-C-016	SOIL	6010B	Chromium
980965802	RA-C-016	SOIL	6010B	Copper
980965802	RA-C-016	SOIL	6010B	Iron
980965802	RA-C-016	SOIL	7471A	Mercury
980965802	RA-C-016	SOIL	6010B	Potassium
980965802	RA-C-016	SOIL	6010B	Magnesium
980965802	RA-C-016	SOIL	6010B	Manganese
980965802	RA-C-016	SOIL	6010B	Sodium
980965802	RA-C-016	SOIL	6010B	Nickel
980965802	RA-C-016	SOIL	8081A	Organochlorine Pesticides
980965802	RA-C-016	SOIL	7421	Lead
980965802	RA-C-016	SOIL	8082	PCBs
980965802	RA-C-016	SOIL	6010B	Antimony
980965802	RA-C-016	SOIL	7740	Selenium
980965802	RA-C-016	SOIL	7841	Thallium
980965802	RA-C-016	SOIL	6010B	Vanadium
980965802	RA-C-016	SOIL	6010B	Zinc
980965803	RA-C-017	SOIL	6010B	Silver

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ANALYTICAL SUMMARY TABLE**

3781452

Client Name OHM Remediation Services  
Site ID DDMT  
Memphis, TN

**ETC**

<u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>
980965803	RA-C-017	SOIL	6010B	Aluminum
980965803	RA-C-017	SOIL	7060A	Arsenic
980965803	RA-C-017	SOIL	8270C	GC/MS PAH
980965803	RA-C-017	SOIL	6010B	Barium
980965803	RA-C-017	SOIL	6010B	Beryllium
980965803	RA-C-017	SOIL	6010B	Calcium
980965803	RA-C-017	SOIL	6010B	Cadmium
980965803	RA-C-017	SOIL	9010A	Cyanide
980965803	RA-C-017	SOIL	6010B	Cobalt
980965803	RA-C-017	SOIL	6010B	Chromium
980965803	RA-C-017	SOIL	6010B	Copper
980965803	RA-C-017	SOIL	6010B	Iron
980965803	RA-C-017	SOIL	7471A	Mercury
980965803	RA-C-017	SOIL	6010B	Potassium
980965803	RA-C-017	SOIL	6010B	Magnesium
980965803	RA-C-017	SOIL	6010B	Manganese
980965803	RA-C-017	SOIL	6010B	Sodium
980965803	RA-C-017	SOIL	6010B	Nickel
980965803	RA-C-017	SOIL	8081A	Organochlorine Pesticides
980965803	RA-C-017	SOIL	7421	Lead
980965803	RA-C-017	SOIL	8082	PCBs
980965803	RA-C-017	SOIL	6010B	Antimony
980965803	RA-C-017	SOIL	7740	Selenium
980965803	RA-C-017	SOIL	7841	Thallium
980965803	RA-C-017	SOIL	6010B	Vanadium
980965803	RA-C-017	SOIL	6010B	Zinc

**3781453**

**Environmental Testing & Consulting, Inc.**

**Login**  
**Chain-of-Custody**

**000004**

3781454

OHM LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		MAIL REPORT (COMPANY NAME)	
Elena Rodriguez		770-734-8060		770-453-7716		OHM Remediation Services Corp	
PROJECT NAME		PROJECT LOCATION		PROJECT FAX		RECIPIENT NAME	
DDMT		Memphis, TN		20560		Elena Rodriguez	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		ADDRESS	
Steve Offner		901-743-1117		901-743-1048		5445 Triangle Pkwy, #100	
PROJECT ADDRESS		CITY STATE AND ZIP CODE		CLIENT		CITY STATE AND ZIP CODE	
1708 Dunn Ave.		Memphis, TN 38114		USACE		Memphis, TN 38114	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		LABORATORY ADDRESS	
Steve Offner		770-326-2571		770-453-7716		2924 Walnut Grove Road Memphis, TN 38114	
Item		Matrix		Time Preserved		Analyses	
Sample Identifier		Date		# of Cont		TAT	
1	RA-C-015	5011921981530	4x802	3day	1	1	1
2	RA-C-016	5011921981600	4x802	3day	1	1	1
3	RA-C-017	5011921981430	4x802	3day	1	1	1
4							
5							
6							
7							
8							
9							
10							

LABORATORY SERVICE ID: ETC

LABORATORY PHONE: 901-327-2750

LABORATORY FAX: 901-327-6334

LABORATORY CONTACT: Nathan Pera

OHM Remediation Services Corp

COOLER TEMPERATURE UPON RECEIPT

COOLER TEMPERATURE UPON RECEIPT

REMOVED BY: [Signature]

DATE: [Date]

TIME: [Time]

SAMPLE CONDITION UPON RECEIPT

Distribution White - Laboratory (To be returned with Analytical Report), Goldenrod - Project File, Yellow - Project Data Manager

3781455

## COOLER RECEIPT FORM

Cooler Receipt Form  
9809658 CRF p 1

LIMS # 9809-658 Number of Coolers 1  
Date Received 09/22/98  
PROJECT DDMT/Memphis, TN VDTSR 09/22/98 15 35

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

A PRELIMINARY EXAMINATION PHASE Date cooler was opened 09/22/98  
by (print) Lynette Bugg (sign) Lynette Bugg

1 Did cooler come with a shipping slip (airbill, etc )? NO  
If YES, enter carrier name & airbill number \_\_\_\_\_

2a Were custody seals on outside of cooler? NO  
2b Were custody seals on sample containers? NO

3 Were custody seals unbroken and intact at the date and time of arrival? NA

4 Did you screen samples for radioactivity using a Geiger Counter? NO

5 Were custody papers sealed in a plastic bag & taped inside to the lid? NO

6 Were custody papers filled out properly (ink, signed, etc )? YES

7 Did you sign custody papers in the appropriate place? YES

8 Was project identifiable from custody papers? If YES, enter project name at top of this form YES

9 If required, was enough ice used? cooler temp <4°C, Type of ice Crushed YES

10 Have designated person initial here to acknowledge receipt of cooler LB date 09/22/98

B LOG-IN PHASE Date samples were logged-in 09/22/98  
by (print) Lynette Bugg (sign) Lynette Bugg

11 Describe type of packing in cooler Bubble Wrap and Ice

12 Were all bottles sealed in separate plastic bags? YES

13 Did all bottles arrive unbroken and were labels in good condition? YES

14 Were all bottle labels complete (ID, date, time, signature, preserved, etc )? YES

15 Did all bottle labels agree with custody papers? YES

16 Were correct containers used for the tests indicated? YES

17 Were correct preservatives added to samples? YES

18 Was a sufficient amount of sample sent for tests indicated? YES

19 Were bubbles absent in VOA samples? If NO, list by sample# \_\_\_\_\_ NA

20 Was the project manager called and status discussed? If YES, give details on the back of this form NO

21 Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_\_

VDTSR - Validated Date/Time of Sample Receipt (Date sample is logged into LIMS system)

000006



3781456

**Environmental Testing & Consulting, Inc.**

## **Sample Reports**

000007

ENVIRONMENTAL TESTING & CONSULTING, INC.  
Memphis, TN  
INORGANIC ANALYSIS DATA SHEET  
PERCENT SOLIDS

3781457

Client Name :OHM Remediation Services  
Project Name :DDMT  
Memphis, TN

Matrix :SOIL

Date Sample Received :09/22/98

Contract Laboratory Order Number :9809-658

<u>Contract Lab</u> <u>Sample No</u>	<u>Client Sample</u> <u>ID</u>	<u>Date</u> <u>Sampled</u>	<u>Result</u> <u>Units : (%)</u>	<u>Date</u> <u>Analyzed</u>	<u>Method</u>	<u>By</u>
9809-658-01	RA-C-015	09/21/98	86	09/22/98	160.3	GD
9809-658-02	RA-C-016	09/21/98	85	09/22/98	160.3	GD
9809-658-03	RA-C-017	09/21/98	95	09/22/98	160.3	GD

  
LABORATORY MANAGER

000008

**ENVIRONMENTAL TESTING & CONSULTING, INC. 3781458**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID **9809658-01**  
**Sample ID: RA-C-015**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1 00	08.45	09/25/98 GD	9010A

  
LABORATORY MANAGER

000009

3781459

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID **9809658-02**

**Sample ID: RA-C-016**

Matrix :SOIL

Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1 00	08:45	09/25/98 GD	9010A

  
LABORATORY MANAGER

000010

3781460

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name OHM Remediation Services  
Defense Depot - Memphis, TN  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Project # 20560

Site ID DDMT  
Memphis, TN

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID 9809658-03  
**Sample ID: RA-C-017**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1 00	08:45	09/25/98 GD	9010A

  
LABORATORY MANAGER

000011

3781461

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
 2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560

Date Arrived 09/22/98  
 ETC Order Number 9809658

ETC Lab ID **9809658-01**  
**Sample ID: RA-C-015**

Matrix :SOIL  
 Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-28					
Mercury Digestion Batch	V4-SO-34					NR 3051
Silver	ND	mg/Kg	0.700	13:21	09/24/98	RM 7471A
Aluminum	12,700	mg/Kg	4.00	15:11	09/24/98	TD 6010B
Arsenic	9.40	mg/Kg	0.200	11:05	09/24/98	JF 7060A
Barium	122	mg/Kg	0.200	13:21	09/24/98	TD 6010B
Beryllium	0.541	mg/Kg	0.100	13:21	09/24/98	TD 6010B
Calcium	1,560	mg/Kg	1.00	13:21	09/24/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	13:21	09/24/98	TD 6010B
Cobalt	8.85	mg/Kg	0.700	13:21	09/24/98	TD 6010B
Chromium	15.4	mg/Kg	0.700	13:21	09/24/98	TD 6010B
Copper	17.9	mg/Kg	0.600	13:21	09/24/98	TD 6010B
Iron	21,700	mg/Kg	0.700	15:11	09/24/98	TD 6010B
Mercury	0.046	mg/Kg	0.020	15:06	09/24/98	RM 7471A
Potassium	918	mg/Kg	20.0	13:21	09/24/98	TD 6010B
Magnesium	2,560	mg/Kg	3.00	13:21	09/24/98	TD 6010B
Manganese	701	mg/Kg	0.200	13:21	09/24/98	TD 6010B
Sodium	71.5	mg/Kg	20.0	13:21	09/24/98	TD 6010B
Nickel	17.7	mg/Kg	1.50	13:21	09/24/98	TD 6010B
Lead	14.3	mg/Kg	0.100	13:28	09/24/98	TD 7421
Antimony	4.77	mg/Kg	3.20	13:21	09/24/98	TD 6010B
Selenium	ND	mg/Kg	0.200	15:12	09/24/98	JF 7740
Thallium	0.257	mg/Kg	0.100	16:11	09/24/98	JF 7841
Vanadium	24.5	mg/Kg	0.800	13:21	09/24/98	TD 6010B
Zinc	58.8	mg/Kg	1.00	13:21	09/24/98	TD 6010B

  
 LABORATORY MANAGER

000012

3781462

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID **9809658-02**  
**Sample ID: RA-C-016**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-28					NR 3051
Mercury Digestion Batch	V4-SO-34					RM 7471A
Silver	ND	mg/Kg	0.700	13:36	09/24/98	TD 6010B
Aluminum	11,400	mg/Kg	4.00	15:18	09/24/98	TD 6010B
Arsenic	9.14	mg/Kg	0.200	11:08	09/24/98	JF 7060A
Barium	106	mg/Kg	0.200	13:36	09/24/98	TD 6010B
Beryllium	0.534	mg/Kg	0.100	13:36	09/24/98	TD 6010B
Calcium	1,370	mg/Kg	1.00	13:36	09/24/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	13:36	09/24/98	TD 6010B
Cobalt	8.79	mg/Kg	0.700	13:36	09/24/98	TD 6010B
Chromium	14.1	mg/Kg	0.700	13:36	09/24/98	TD 6010B
Copper	17.6	mg/Kg	0.600	13:36	09/24/98	TD 6010B
Iron	20,500	mg/Kg	0.700	15:18	09/24/98	TD 6010B
Mercury	0.038	mg/Kg	0.020	15:08	09/24/98	RM 7471A
Potassium	862	mg/Kg	20.0	13:36	09/24/98	TD 6010B
Magnesium	2,430	mg/Kg	3.00	13:36	09/24/98	TD 6010B
Manganese	687	mg/Kg	0.200	13:36	09/24/98	TD 6010B
Sodium	79.3	mg/Kg	20.0	13:36	09/24/98	TD 6010B
Nickel	17.4	mg/Kg	1.50	13:36	09/24/98	TD 6010B
Lead	14.3	mg/Kg	0.100	13:30	09/24/98	TD 7421
Antimony	ND	mg/Kg	3.20	13:36	09/24/98	TD 6010B
Selenium	ND	mg/Kg	0.200	15:12	09/24/98	JF 7740
Thallium	0.257	mg/Kg	0.100	16:14	09/24/98	JF 7841
Vanadium	23.2	mg/Kg	0.800	13:36	09/24/98	TD 6010B
Zinc	57.6	mg/Kg	1.00	13:36	09/24/98	TD 6010B

  
LABORATORY MANAGER

000013

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

3781463

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID **9809658-03**  
**Sample ID: RA-C-017**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-28				NR	3051
Mercury Digestion Batch	V4-SO-34				RM	7471A
Silver	ND	mg/Kg	0.700	13:43	09/24/98	TD 6010B
Aluminum	13,600	mg/Kg	4.00	14:10	09/24/98	TD 6010B
Arsenic	9.62	mg/Kg	0.200	10:48	09/24/98	JF 7060A
Barium	117	mg/Kg	0.200	13:43	09/24/98	TD 6010B
Beryllium	0.542	mg/Kg	0.100	13:43	09/24/98	TD 6010B
Calcium	1,680	mg/Kg	1.00	13:43	09/24/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	13:43	09/24/98	TD 6010B
Cobalt	8.75	mg/Kg	0.700	13:43	09/24/98	TD 6010B
Chromium	16.3	mg/Kg	0.700	13:43	09/24/98	TD 6010B
Copper	18.2	mg/Kg	0.600	13:43	09/24/98	TD 6010B
Iron	22,000	mg/Kg	0.700	14:10	09/24/98	TD 6010B
Mercury	0.042	mg/Kg	0.020	15:09	09/24/98	RM 7471A
Potassium	1,060	mg/Kg	20.0	13:43	09/24/98	TD 6010B
Magnesium	2,460	mg/Kg	3.00	13:43	09/24/98	TD 6010B
Manganese	629	mg/Kg	0.200	13:43	09/24/98	TD 6010B
Sodium	62.3	mg/Kg	20.0	13:43	09/24/98	TD 6010B
Nickel	17.5	mg/Kg	1.50	13:43	09/24/98	TD 6010B
Lead	14.6	mg/Kg	0.100	13:21	09/24/98	TD 7421
Antimony	ND	mg/Kg	3.20	13:43	09/24/98	TD 6010B
Selenium	ND	mg/Kg	0.200	15:12	09/24/98	JF 7740
Thallium	0.239	mg/Kg	0.100	16:00	09/24/98	JF 7841
Vanadium	24.9	mg/Kg	0.800	13:43	09/24/98	TD 6010B
Zinc	62.4	mg/Kg	1.00	13:43	09/24/98	TD 6010B

  
LABORATORY MANAGER

000014



**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781464**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # **20560**  
FID # **DACA45-96-D-0014**

Date Arrived **09/22/98**  
ETC Order Number **9809658**

ETC Lab ID **9809658-01**  
**Sample ID: RA-C-015**

Matrix : **SOIL**  
Sample Date : **09/21/98**

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS PAH				09/23/98	09/23/98	RR	8270C
QC Batch	P04038	ug/Kg					
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	ND	ug/Kg	67.0				
Benzo(b)fluoranthene	ND	ug/Kg	67.0				
Benzo(k)fluoranthene	ND	ug/Kg	67.0				
Benzo(g,h,i)perylene	ND	ug/Kg	67.0				
Benzo(a)pyrene	ND	ug/Kg	67.0				
Chrysene	ND	ug/Kg	67.0				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Fluoranthene	ND	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Indeno(1,2,3-cd)pyrene	ND	ug/Kg	67.0				
Naphthalene	ND	ug/Kg	67.0				
Phenanthrene	ND	ug/Kg	67.0				
Pyrene	ND	ug/Kg	67.0				

Surrogate Standard	% Recovery	QC Limits
S1 - Nitrobenzene-d5	69	39 80
S2 - 2-Fluorobiphenyl	74	43 84
S3 - 4-Terphenyl-d14	71	40 121



LABORATORY MANAGER

ND - Not Detected

**000015**

3781465

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-658-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-658

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: 0501005

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/23/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I BNA-GCMS-TIC

000016

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781466

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID 9809658-02  
**Sample ID: RA-C-016**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS PAH				09/23/98	09/24/98	RR	8270C
QC Batch	P04038	ug/Kg					
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	ND	ug/Kg	67.0				
Benzo(b)fluoranthene	ND	ug/Kg	67.0				
Benzo(k)fluoranthene	ND	ug/Kg	67.0				
Benzo(g,h,i)perylene	ND	ug/Kg	67.0				
Benzo(a)pyrene	ND	ug/Kg	67.0				
Chrysene	ND	ug/Kg	67.0				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Fluoranthene	ND	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Indeno(1,2,3-cd)pyrene	ND	ug/Kg	67.0				
Naphthalene	ND	ug/Kg	67.0				
Phenanthrene	ND	ug/Kg	67.0				
Pyrene	ND	ug/Kg	67.0				
<b>Surrogate Standard</b>	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Nitrobenzene-d5	78		39	80			
S2 - 2-Fluorobiphenyl	86 Q		43	84			
S3 - 4-Terphenyl-d14	78		40	121			

  
LABORATORY MANAGER

ND - Not Detected

000017

3781467

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: ETC, INC.

Contract:

9809-658-2

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-658

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: 0601006

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/23/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 85-68-7	BENZYL BUTYL PHTHALATE	15.13	242	NJ
2. 502-62-5	.PSI.,.PSI.-CAROTENE, 7,7',8	18.10	184	NJ
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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23.				
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27.				
28.				
29.				
30.				

FORM I BNA-GCMS-TIC

000018

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781468**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # **20560**  
FID # **DAÇA45-96-D-0014**

Date Arrived **09/22/98**  
ETC Order Number **9809658**

ETC Lab ID **9809658-03**  
**Sample ID: RA-C-017**

Matrix : **SOIL**  
Sample Date : **09/21/98**

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS PAH				09/23/98	09/23/98	RR	8270C
QC Batch	P04038	ug/Kg					
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	80.1	ug/Kg	67.0				
Benzo(b)fluoranthene	145	ug/Kg	67.0				
Benzo(k)fluoranthene	64.1J	ug/Kg	67.0				
Benzo(g,h,i)perylene	82.4	ug/Kg	67.0				
Benzo(a)pyrene	116	ug/Kg	67.0				
Chrysene	104	ug/Kg	67.0				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Fluoranthene	131	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Indeno(1,2,3-cd)pyrene	78.0	ug/Kg	67.0				
Naphthalene	ND	ug/Kg	67.0				
Phenanthrene	44.3J	ug/Kg	67.0				
Pyrene	120	ug/Kg	67.0				

Surrogate Standard	% Recovery	QC Limits
S1 - Nitrobenzene-d5	74	39 80
S2 - 2-Fluorobiphenyl	83	43 84
S3 - 4-Terphenyl-d14	78	40 121

  
LABORATORY MANAGER

ND - Not Detected

**000019**

3781469

FORM 1

BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-658-3

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-658

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: 0701007

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1(mL)

Date Analyzed: 09/23/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4602-84-0	2,6,10-DODECATRIEN-1-OL, 3,7	18.10	309	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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25.				
26.				
27.				
28.				
29.				
30.				

FORM I BNA-GCMS-TIC

000020

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781470

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID **9809658-01**  
**Sample ID: RA-C-015**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides							
				09/24/98	09/25/98	RG	8081A
QC Batch	P06020	ug/Kg					
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	ND	ug/Kg	2.00				
4,4'-DDT	ND	ug/Kg	2.00				
Dieldrin	2.19	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				
<b>Surrogate Standard</b>							
		<b>% Recovery</b>	<b>QC Limits</b>				
S1 - Decachlorobiphenyl	86		64 154				
S2 - Tetrachloro-m-xylene	79		39 130				

  
LABORATORY MANAGER

ND - Not Detected

000021

3781471

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/22/98  
 ETC Order Number 9809658

ETC Lab ID 9809658-02  
**Sample ID: RA-C-016**

Matrix :SOIL  
 Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides							8081A
QC Batch	P06020	ug/Kg		09/24/98	09/25/98	RG	
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	ND	ug/Kg	2.00				
4,4'-DDT	ND	ug/Kg	2.00				
Dieldrin	2.25	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				

Surrogate Standard	% Recovery	QC Limits	
S1 - Decachlorobiphenyl	75	64	154
S2 - Tetrachloro-m-xylene	61	39	130

  
 LABORATORY MANAGER

ND - Not Detected

000022



**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781472**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID 9809658-03  
**Sample ID: RA-C-017**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides				09/24/98	09/25/98	RG	8081A
QC Batch	P06020	ug/Kg					
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	ND	ug/Kg	2.00				
4,4'-DDT	ND	ug/Kg	2.00				
Dieldrin	12.1	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				
<b>Surrogate Standard</b>			<b>% Recovery</b>	<b>QC Limits</b>			
S1 - Decachlorobiphenyl	86			64	154		
S2 - Tetrachloro-m-xylene	62			39	130		

  
LABORATORY MANAGER

ND - Not Detected

**000023**

3781473

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID 9809658-01  
**Sample ID: RA-C-015**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				09/24/98	09/28/98	RG	8082
QC Batch	P06020	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				
<b>Surrogate Standard</b>							
	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Tetrachloro-m-xylene	66		39	130			
S2 - Decachlorobiphenyl	74		64	154			

  
LABORATORY MANAGER

ND - Not Detected

000024

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781474

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID 9809658-02  
**Sample ID: RA-C-016**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				09/24/98	09/28/98	RG	8082
QC Batch	P06020	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				

Surrogate Standard	% Recovery	QC Limits
S1 - Tetrachloro-m-xylene	50	39 130
S2 - Decachlorobiphenyl	69	64 154

  
LABORATORY MANAGER

ND - Not Detected

000025

3781475

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/22/98  
ETC Order Number 9809658

ETC Lab ID 9809658-03  
**Sample ID: RA-C-017**

Matrix :SOIL  
Sample Date :09/21/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				09/24/98	09/28/98	RG	8082
QC Batch	P06020	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				
<u>Surrogate Standard</u>	<u>% Recovery</u>		<u>QC Limits</u>				
S1 - Tetrachloro-m-xylene	59		39 130				
S2 - Decachlorobiphenyl	90		64 154				

  
LABORATORY MANAGER

ND - Not Detected

000026

3781476

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Inorganics**

000027

3781477

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
INORGANICS

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658

**HOLDING TIMES**

Sample Analysis : All samples analyzed within Method Specified  
Holding Times.

**CALIBRATION**

Laboratory Control Sample : All criteria met.

**QUALITY CONTROL**

Matrix Spike

Spike Recovery : All analytes within QC limits

Method Blank

No Target Analytes detected above Detection Limit.

  
Laboratory Manager

000028

**Environmental Testing & Consulting, Inc.**  
**Inorganic QC Data Summary**

3781478

**Client Name** OHM Remediation Services  
**Project** DDMT-Memphis, TN

**ETC Order Number** 9809-658  
**File Name** 9809-658.1

**Method Blank**

<b>Analyte</b>	<b>Date Analyzed</b>	<b>Blank Concentration mg/Kg</b>	<b>QC Batch</b>
Cyanide	09/25/98	<1 00	CY092598

**Calibration Verification (CV)**

<b>Analyte</b>	<b>Date Analyzed</b>	<b>CV Conc mg/L</b>	<b>CV Conc Found</b>	<b>% Difference</b>
Cyanide	09/25/98	0 200	0 209	4 50

**Laboratory Control Sample (LCS)**

<b>Analyte</b>	<b>Date Analyzed</b>	<b>LCS Conc mg/Kg</b>	<b>LCS Conc Found</b>	<b>% Recovery</b>
Cyanide	09/25/98	20 0	19 4	97 0

**Matrix Spike/Matrix Spike Duplicate**

<b>Sample ID</b>	<b>Analyte</b>	<b>Spike mg/Kg</b>	<b>Sample mg/Kg</b>	<b>MS Conc Found</b>	<b>MS % Recovery</b>	<b>QC Limits</b>	<b>RPD</b>
9809-658-01 MS	Cyanide	18 2	<1 00	16 8	92 0	68 - 114	
9809-658-01 MSD	Cyanide	18 2	<1 00	16 0	88 0	68 - 114	4 0

3781479

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Metals  
ICP/GFAA/CV**

000030



ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781480

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V8-SO-28  
Mercury V4-SO-34

Sample Analysis : All samples digested and analyzed within 180  
days of collection.  
Mercury Analysis : All samples analyzed within 28 days of collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer

Dilutions Required : No dilutions required.\*

\*

Dilutions were performed on several samples to bring the Target  
Analyte(s) within calibration range (C) or to remove spectral  
interference (I) as indicated.

Sample ID	Metal	Dilution Factor	Sample ID	Metal	Dilution Factor
9809-658-01	Aluminum	1:5 (C)	9809-658-03	Iron	1:5 (C)
9809-658-02	Aluminum	1:5 (C)	9809-658-01	Lead	1:3 (C)
9809-658-03	Aluminum	1:5 (C)	9809-658-02	Lead	1:3 (C)
9809-658-01	Iron	1:5 (C)	9809-658-03	Lead	1:4 (C)
9809-658-02	Iron	1:5 (C)			

Due to low recoveries and failing Post Digestion Spike, all Selenium  
data was reported based on the Method of Standard Additions.

**QUALITY CONTROL**

**9809-658.MQCBLANK**

Method Blank

V8-SO-28BLK - ICP/GFAA Metals

V4-SO-34BLK - Mercury

Calcium identified in V8-SO-28BLK at 3.57 mg/Kg.

Iron identified in V8-SO-28BLK at 1.74 mg/Kg.

000031

3781481

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658

**QUALITY CONTROL****9809-658.MQCLCS**

Laboratory Control Sample(s)  
V8-SO-28LCS - ICP/GFAA Metals  
V4-SO-34LCS - Mercury

All criteria met.

**9809-658.MQCMSMSD**

Matrix Spike / Matrix Spike Dup - ICP Metals

9809-658-03

RPD : All analytes within QC limits.

RA-C-017

Spike Recovery : All analytes within QC limits.\*

\*

Recoveries for Antimony were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. A Post Digestion Spike was performed for verification :

	mg/L	mg/L	%	QA
<u>Analyte</u>	<u>Expected</u>	<u>Found</u>	<u>Recovery</u>	<u>Evaluation</u>
Antimony	0.500	0.484	97	Pass

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. Dilution Tests were performed for verification :

<u>Analyte</u>	No <u>Dilution</u>	1:5 <u>Dilution</u>	1:25 <u>Dilution</u>	% <u>Difference</u>	QA <u>Evaluation</u>
Aluminum	-----	13600 mg/Kg	12300 mg/Kg	10	Pass
Calcium	1680	1690	-----	1	Pass
Iron	-----	22000	21100	4	Pass
Manganese	629	645	-----	3	Pass
Potassium	1060	982	-----	7	Pass
Magnesium	2460	2490	-----	1	Pass
Zinc	62.4	63.2	-----	1	Pass

Refer to Laboratory Control Sample(s) for system verification.

000032

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781482

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658

QUALITY CONTROL

Matrix Spike / Matrix Spike Dup - Graphite Metals

9809-658-03 RPD : All analytes within QC limits.  
RA-C-017 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Lead were flagged as outside QC Limits due to the level of this analyte present in the sample relative to the spike amount. In addition, concentrations of Arsenic was high relative to the spike amount. Dilution Tests were performed for verification :

Analyte	1:4 Dilution	1:20 Dilution	% Difference	QA Evaluation
Lead	14.6 mg/Kg	15.2 mg/Kg	4	Pass

Analyte	No Dilution	1:5 Dilution	% Difference	QA Evaluation
Arsenic	9.62 mg/Kg	8.84 mg/Kg	8	Pass

Recoveries for Selenium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Hg

9809-658-03 RPD : All analytes within QC limits.  
RA-C-017 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Dilution Test - Dilution result must agree within 10% of original result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

000033

3781483

SOLID METHOD BLANK  
METALS

Lab Name

Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals

V8-SO-28 BLK

QC Batch

V8-SO-28

Laboratory ID Mercury

V4-SO-34 BLK

V4-SO-34

Date Sample Prepared

09/23/98

ICP/GFAA Metals

09/24/98

Mercury

Metals	Concentration mg/Kg	Detection Limit mg/Kg	Date Analyzed	Method
Silver	<0.700	0.700	09/24/98	6010B
Aluminum	<4.00	4.00	09/24/98	6010B
Arsenic	<0.200	0.200	09/24/98	7060A
Barium	<0.200	0.200	09/24/98	6010B
Beryllium	<0.100	0.100	09/24/98	6010B
Calcium	3.57	1.00	09/24/98	6010B
Cadmium	<0.400	0.400	09/24/98	6010B
Cobalt	<0.700	0.700	09/24/98	6010B
Chromium	<0.700	0.700	09/24/98	6010B
Copper	<0.600	0.600	09/24/98	6010B
Iron	1.74	0.700	09/24/98	6010B
Potassium	<20.0	20.0	09/24/98	6010B
Magnesium	<3.00	3.00	09/24/98	6010B
Manganese	<0.200	0.200	09/24/98	6010B
Sodium	<20.0	20.0	09/24/98	6010B
Nickel	<1.50	1.50	09/24/98	6010B
Lead	<0.100	0.100	09/24/98	7421
Antimony	<3.20	3.20	09/24/98	6010B
Selenium	<0.200	0.200	09/24/98	7740
Thallium	<0.100	0.100	09/24/98	7841
Vanadium	<0.800	0.800	09/24/98	6010B
Zinc	<1.00	1.00	09/24/98	6010B
Mercury	<0.020	0.020	09/24/98	7471A

Metals Blank

9809-658.MQCBLANK

000034

3781484

SOLID LABORATORY CONTROL SAMPLE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory Control ID	ICP/GFAA Metals	<u>V8-SO-28</u>	LCS	QC Batch	<u>V8-SO-28</u>
	Mercury	<u>V4-SO-34</u>	LCS		<u>V4-SO-34</u>

Date Prepared	ICP/GFAA Metals	<u>09/23/98</u>	
	Mercury	<u>09/24/98</u>	

Metals	Spike Added mg/Kg	Found mg/Kg	% R	#	QC Limits
Silver	20.0	21.0	105		80 120
Aluminum	200	205	103		80 120
Arsenic	5.00	4.76	95		85 115
Barium	200	194	97		80 120
Beryllium	20.0	20.6	103		80 120
Calcium	400	426	107		80 120
Cadmium	20.0	21.4	107		80 120
Cobalt	100	101	101		80 120
Chromium	40.0	42.8	107		80 120
Copper	40.0	43.8	110		80 120
Iron	200	214	107		80 120
Potassium	400	411	103		80 120
Magnesium	400	423	106		80 120
Manganese	20.0	20.9	105		80 120
Sodium	400	433	108		80 120
Nickel	100	103	103		80 120
Lead	2.00	1.99	100		85 115
Antimony	200	209	105		80 120
Selenium	5.00	5.04	101		85 115
Thallium	2.00	1.77	89		85 115
Vanadium	100	107	107		80 120
Zinc	20.0	20.3	102		80 120
Mercury	0.167	0.164	98		80 120

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

Metals Laboratory Control Sample

9809-658.MQCLCS

000035

3781485

SOLID MATRIX SPIKE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-658-03	QC Batch V8-SO-28
Laboratory ID MS Mercury	9809-658-03	V4-SO-34

Date Sample Prepared	09/23/98	ICP/GFAA Metals
	09/24/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MS Conc mg/Kg	RPD < 20% #	MS % Rec #	QC Limits	
Silver	21.1	ND	20.5	3	97	75	125
Aluminum	210	13600	13100	1	-238 *	75	125
Arsenic	5.16	9.62	16.9	8	141 *	70	130
Barium	210	117	308	3	91	75	125
Beryllium	21.1	0.542	21.7	3	100	75	125
Calcium	421	1680	2220	6	128 *	75	125
Cadmium	21.1	ND	20.7	3	90	75	125
Cobalt	105	8.75	106	5	93	75	125
Chromium	42.1	16.3	57.8	2	99	75	125
Copper	42.1	18.2	61.3	4	102	75	125
Iron	210	22000	21500	1	-238 *	75	125
Potassium	421	1060	1510	1	107	75	125
Magnesium	421	2460	2950	2	116	75	125
Manganese	21.1	629	642	5	62 *	75	125
Sodium	421	62.3	523	4	109	75	125
Nickel	105	17.5	118	3	96	75	125
Lead	2.06	14.6	16.5	2	92	70	130
Antimony	210	ND	0	0	0 *	75	125
Selenium	5.16	0.485	3.05	5	50 *	70	130
Thallium	2.06	0.239	1.92	0	82	70	130
Vanadium	105	24.9	122	2	93	75	125
Zinc	21.1	62.4	87.3	2	118	75	125
Mercury	0.162	0.042	0.195	7	94	75	125

# Column to be used to flag recovery values with an asterisk  
 \* Values outside of QC limits ND - Not Detected

Metals Matrix Spike

9809-658.MQCMSMSD

000036

SOLID MATRIX SPIKE DUPLICATE  
METALS

3781486

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-658-03	QC Batch V8-SO-28
Laboratory ID MS Mercury	9809-658-03	V4-SO-34

Date Sample Prepared	09/23/98	ICP/GFAA Metals
	09/24/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MSD Conc mg/Kg		MSD % Rec	#	QC Limits	
Silver	21.1	ND	21.2		101		75	125
Aluminum	210	13600	13000		-286	*	75	125
Arsenic	5.06	9.62	15.6		118		70	130
Barium	210	117	317		95		75	125
Beryllium	21.1	0.542	22.4		104		75	125
Calcium	421	1680	2090		97		75	125
Cadmium	21.1	ND	21.4		88		75	125
Cobalt	105	8.75	111		97		75	125
Chromium	42.1	16.3	59.0		101		75	125
Copper	42.1	18.2	63.6		108		75	125
Iron	210	22000	21800		-95	*	75	125
Potassium	421	1060	1500		105		75	125
Magnesium	421	2460	3000		128	*	75	125
Manganese	21.1	629	678		232	*	75	125
Sodium	421	62.3	547		115		75	125
Nickel	105	17.5	121		99		75	125
Lead	2.02	14.6	16.8		109		70	130
Antimony	210	ND	0		0	*	75	125
Selenium	5.06	0.485	2.90		48	*	70	130
Thallium	2.02	0.239	1.92		83		70	130
Vanadium	105	24.9	125		95		75	125
Zinc	21.1	62.4	89.5		128	*	75	125
Mercury	0.151	0.042	0.182		93		75	125

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike Duplicate

9809-658.MQCMSMSD

900037

3781487

**Environmental Testing & Consulting, Inc.**

## **Quality Control Reports**

### **GC/MS Semi-Volatiles**

000038



ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS POLYNUCLEAR AROMATIC HYDROCARBONS - SOIL

3781488

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658  
Method (SW-846) : 8270C/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P04038 P04038LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recoveries for Nitrobenzene-d5 and 2-Fluorobiphenyl were  
flagged for high recovery in sample 9809-658-02(RA-C-016) and Blank  
Spike P04038BS associated with this project. Surrogate recovery for  
2-Fluorobiphenyl was flagged for high recovery in Method Blank  
P04038LB. Review of the raw data showed no obvious matrix  
interference. These samples were re-analyzed for verification with  
similar recoveries.

Laboratory Control Sample FORM 3  
P04038BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-658-01 RPD : All analytes within QC limits.  
RA-C-015 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for multiple analytes were flagged outside QC Limits in the  
Matrix Spike Duplicate. MS recoveries were within QC Limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P04038LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*  
\*

Calibration Verification(CV) : Date 09/23/98 Time: 1632

Analyte	%Diff(30% Max)	Response
Benzoic Acid	55.6	High
4-Nitroaniline	39.6	High
4-Nitrophenol	30.4	High

000039

3781489

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS POLYNUCLEAR AROMATIC HYDROCARBONS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658  
Method (SW-846) : 8270C/3550B

**CALIBRATION**

High responses indicate that reported levels for these analytes may be biased high. These analytes were not Target Analytes associated with this project. The data was not affected.

Calibration Verification(CV) : Date 09/24/98 Time: 1213

Analyte	%Diff(30% Max)	Response
2,4-Dinitrophenol	32.8	High
4-Nitroaniline	51.8	High
4-Nitrophenol	42.8	High

High responses indicate that reported levels for these analytes may be biased high. These analytes were not Target Analytes associated with this project. The data was not affected.

Semi-Volatile Internal Standard Area and RT FORM 8

Daily Check Standard(s) Internal Standard Areas and Retention Times within QC limits.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000040

FORM 2  
SOIL BNA-GCMS SURROGATE RECOVERY

3781490

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-658

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P04038LB	78	85*	87						1
02	P04038BS	87*	101*	91						2
03	9809-658-1	69	74	71						0
04	9809-658-2	80*	85*	84						2
05	9809-658-3	74	83	78						0
06	9809-658-1M	73	79	77						0
07	9809-658-1S	69	73	69						0
08	P04038LB	77	86*	76						1
09	P04038BS	86*	98*	83						2
10	9809-658-2	78	86*	78						1
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (39- 80)  
S2 (FBP) = 2-Fluorobiphenyl (43- 84)  
S3 (TPH) = Terphenyl-d14 (40-121)

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

000041

3781491

FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

CLIENT SAMPLE NO

Lab Name: ETC, INC.

P04038LB

Lab Prep Batch: P04038

SDG No.: 9809-658

Lab File ID: 0301003

Instrument ID: BNA2

Matrix: (soil/water) SOIL

Date Analyzed: 09/23/98

Level:(low/med) LOW

Time Analyzed: 1703

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P04038BS		0401004	09/23/98
02	9809-658-1		0501005	09/23/98
03	9809-658-2		0601006	09/23/98
04	9809-658-3		0701007	09/23/98
05	9809-658-1M		0801008	09/23/98
06	9809-658-1S		0901009	09/23/98
07	P04038BS		0401007	09/24/98
08	9809-658-2		0501008	09/24/98
09				
10				
11				
12				
13				
14				
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30				

COMMENTS:

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

3781492  
CLIENT SAMPLE NO.

P04038LB

Lab Name: ETC, INC.

SDG No.: 9809-658

Matrix: (soil/water) SOIL

Lab Prep Batch: P04038

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/23/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9-----	Acenaphthene	66.7	U
208-96-8-----	Acenaphthylene	66.7	U
120-12-7-----	Anthracene	66.7	U
56-55-3-----	Benzo(a)Anthracene	66.7	U
205-99-2-----	Benzo(b)fluoranthene	66.7	U
207-08-9-----	Benzo(k)fluoranthene	66.7	U
191-24-2-----	Benzo(g,h,i)perylene	66.7	U
50-32-8-----	Benzo(a)pyrene	66.7	U
218-01-9-----	Chrysene	66.7	U
53-70-3-----	Dibenzo(a,h)anthracene	66.7	U
206-44-0-----	Fluoranthene	66.7	U
86-73-7-----	Fluorene	66.7	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	66.7	U
91-57-6-----	2-Methylnaphthalene	66.7	U
91-20-3-----	Naphthalene	66.7	U
85-01-8-----	Phenanthrene	66.7	U
129-00-0-----	Pyrene	66.7	U

FORM I BNA-GCMS

000043

3781493

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P04038

SDG No.: 9809-658

Matrix Spike - Sample No.: P04038BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1670		1510	90	34-126
Acenaphthylene	1670		1660	99	62-123
Anthracene	1670		1310	78	68-124
Benzo(a)Anthracene	1670		1680	100	60-133
Benzo(b)fluoranthene	1670		1640	98	67-126
Benzo(k)fluoranthene	1670		1830	110	75-131
Benzo(g,h,i)perylene	1670		1500	90	53-137
Benzo(a)pyrene	1670		1610	96	68-129
Chrysene	1670		1590	95	67-131
Dibenzo(a,h)anthracene	1670		1480	89	51-138
Fluoranthene	1670		1470	88	71-132
Fluorene	1670		1530	92	65-126
Indeno(1,2,3-cd)pyrene	1670		1400	84	34-170
Naphthalene	1670		1370	82	62-113
Phenanthrene	1670		1500	90	66-128
Pyrene	1670		1460	87	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 16 outside limits

COMMENTS:

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781494

Lab Name: ETC, INC.

Lab Prep Batch: P04038

SDG No.: 9809-658

Matrix Spike - Sample No.: 9809-658-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1650	0.00	1230	74	34-126
Acenaphthylene	1650	0.00	1300	79	62-123
Anthracene	1650	0.00	1180	72	68-124
Benzo(a)Anthracene	1650	0.00	1410	85	60-133
Benzo(b)fluoranthene	1650	0.00	1400	85	67-126
Benzo(k)fluoranthene	1650	0.00	1470	89	75-131
Benzo(g,h,i)perylene	1650	0.00	1230	74	53-137
Benzo(a)pyrene	1650	0.00	1400	85	68-129
Chrysene	1650	0.00	1340	81	67-131
Dibenzo(a,h)anthracene	1650	0.00	1270	77	51-138
Fluoranthene	1650	0.00	1270	77	71-132
Fluorene	1650	0.00	1260	76	65-126
Indeno(1,2,3-cd)pyrene	1650	0.00	1190	72	34-170
Naphthalene	1650	0.00	1110	67	62-113
Phenanthrene	1650	0.00	1230	74	66-128
Pyrene	1650	0.00	1290	78	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

3781495

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P04038

SDG No.: 9809-658

Matrix Spike - Sample No.: 9809-658-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	1660	1110	67	10	20	34-126
Acenaphthylene	1660	1240	75	5	20	62-123
Anthracene	1660	982	59*	20	20	68-124
Benzo(a)Anthracene	1660	1240	75	12	20	60-133
Benzo(b)fluoranthene	1660	1220	73	15	20	67-126
Benzo(k)fluoranthene	1660	1280	77	14	20	75-131
Benzo(g,h,i)perylene	1660	1070	64	14	20	53-137
Benzo(a)pyrene	1660	1220	73	15	20	68-129
Chrysene	1660	1150	69	16	20	67-131
Dibenzo(a,h)anthracene	1660	1100	66	15	20	51-138
Fluoranthene	1660	1160	70*	10	20	71-132
Fluorene	1660	1090	66	14	20	65-126
Indeno(1,2,3-cd)pyrene	1660	1040	63	13	20	34-170
Naphthalene	1660	1050	63	6	20	62-113
Phenanthrene	1660	1030	62*	18	20	66-128
Pyrene	1660	1160	70	11	20	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 16 outside limits  
Spike Recovery: 3 out of 32 outside limits

COMMENTS:



3781496

**Environmental Testing & Consulting, Inc.**

## **Quality Control Reports**

**GC Pesticides**

0000-17

3781497

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
 MEMPHIS, TN  
 CASE NARRATIVE  
 GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
 Project Name : Defense Depot Memphis TN

ETC Order # : 9809-658  
 Method (SW-846) : 8081A/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
 Sample Analysis : All samples analyzed within 40 days of  
 extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
 P06020 P06020LB

System Monitoring Compounds FORM 2  
 Surrogate recoveries within QC limits.\*

\*  
 Surrogate recoveries for Decachlorobiphenyl were flagged as outside QC Limits in samples 9809-658-01MS/MSD(RA-C-015). Review of the raw data showed no obvious matrix interference. Surrogate recoveries for Tetrachloro-m-xylene were within QC Limits.

Laboratory Control Sample FORM 3  
 P06020BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
 9809-658-01 RPD : All analytes within QC limits.  
 RA-C-015 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
 P06020LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6\*  
 Calibration Verification : All criteria met. FORM 7\*\*  
 Endrin/Breakdown : All criteria met. FORM 7A\*\*\*

Initial Calibration(ICAL) : Date 09/28/98 Time 15:40 (Confirmation)

Analyte	%RSD (Linear $\geq 0.990$ )	Curve
alpha-BHC	0.981	Linear
delta-BHC	0.980	Linear
4,4'-DDT	0.977	Linear
Endosulfan sulfate	0.978	Linear
Methoxychlor	0.975	Linear

Analyte	%RSD (Average $\leq 20.0$ )	Curve
Endrin ketone	25.0	Average

000015

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781498

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

\*

Low responses indicate that reported levels for these analytes may be biased low. High responses indicate that reported levels for these analytes may be biased high. Results were reported from the primary analysis. The data was not affected.

\*\*

Calibration Verification(CV) : P109281A.24R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	38.6	Low
Endrin	17.2	Low
Methoxychlor	32.4	Low
Decachlorobiphenyl	20.0	Low

Low responses indicate that reported levels for these analytes may be biased low. Recoveries for these analytes in the Blank Spike P06020BS were within QC Limits. Surrogate recoveries for Tetrachloro-m-xylene were within QC Limits for all samples associated with this project. The data was not affected.

Calibration Verification(CV) : P109281A.25R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	29.8	Low
Methoxychlor	29.2	Low

Low responses indicate that reported levels for these analytes may be biased low. Recoveries for these analytes in the Blank Spike P06020BS were within QC Limits. The data was not affected.

Calibration Verification(CV) : P109281B.24R (Confirmation)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	40.0	Low
Endrin aldehyde	29.5	High
Endrin ketone	39.5	High
Heptachlor	26.0	High
Methoxychlor	31.5	Low
Decachlorobiphenyl	20.5	Low

Low responses indicate that reported levels for these analytes may be biased low. High responses indicate that reported levels for these analytes may be biased high. Results were reported from the primary analysis. The data was not affected.

Calibration Verification(CV) : P109281B.25R (Confirmation)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	36.5	Low
Endrin	24.0	Low
Endrin aldehyde	28.0	High
Endrin ketone	41.5	High
Heptachlor	24.0	High
Methoxychlor	27.0	Low
Decachlorobiphenyl	20.5	Low

000049

3781499

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN

ETC Order # : 9809-658  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

\*\*

Low responses indicate that reported levels for these analytes may be biased low. High responses indicate that reported levels for these analytes may be biased high. Results were reported from the primary analysis. The data was not affected.

\*\*\*

PEM Verification : P309251A.01R (Primary)

Analyte	%Breakdown(15% Max)
4,4-DDT	20.37

DDT in breakdown for this sequence was noted at 20.37% for the primary analysis in which the final results were reported. DDT was not identified in samples associated with this project. The data was not affected.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000050

FORM 2  
SOIL PESTICIDE SURROGATE RECOVERY

3781500

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-658

Level: (low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06020LB	57	82							0
02	9809-658-1	79	86							0
03	9809-658-2	61	75							0
04	9809-658-3	62	86							0
05	P06020BS	61	75							0
06	9809-658-1M	67	50*							1
07	9809-658-1S	68	46*							1
08										
09										
10										
11										
12										
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28										
29										
30										

QC LIMITS  
S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

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

000051

3781501

FORM 4  
PESTICIDE METHOD BLANK SUMMARY

EPA GC SAMPLE NO.

Lab Name: ETC, INC.

P06020LB

Lab Prep Batch: P06020

SDG No.: 9809-658

Lab File ID: P309251A-10R

Instrument ID: PEST3A

Matrix: (soil/water) SOIL

Date Analyzed: 09/25/98

Level: (low/med) LOW

Time Analyzed: 2001

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	9809-658-1		P309251A-12R	09/25/98
02	9809-658-2		P309251A-13R	09/25/98
03	9809-658-3		P309251A-14R	09/25/98
04	P06020BS		P109281A-12R	09/28/98
05	9809-658-1M		P109281A-22R	09/29/98
06	9809-658-1S		P109281A-23R	09/29/98
07				
08				
09				
10				
11				
12				
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30				

COMMENTS:

FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

3781502  
EPA GC SAMPLE NO.

P06020LB

Lab Name: ETC, INC.

SDG No.: 9809-658

Matrix: (soil/water) SOIL

Lab Prep Batch: P06020

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P309251A-10R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10(mL)

Date Analyzed: 09/25/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2-----	Aldrin	1.33333	U
319-84-6-----	alpha-BHC	1.33333	U
319-85-7-----	beta-BHC	1.33333	U
319-86-8-----	delta-BHC	1.33333	U
58-89-9-----	gamma-BHC (Lindane)	1.33333	U
5103-71-9-----	alpha-chlordane	1.33333	U
5103-74-2-----	gamma-chlordane	1.33333	U
72-54-8-----	4,4'-DDD	1.33333	U
72-55-9-----	4,4'-DDE	1.33333	U
50-29-3-----	4,4'-DDT	1.33333	U
60-57-1-----	Dieldrin	1.33333	U
959-98-8-----	Endosulfan I	1.33333	U
33213-65-9-----	Endosulfan II	1.33333	U
1031-07-8-----	Endosulfan sulfate	1.33333	U
72-20-8-----	Endrin	1.33333	U
7421-93-4-----	Endrin aldehyde	1.33333	U
53494-70-5-----	Endrin Ketone	1.33333	U
76-44-8-----	Heptachlor	1.33333	U
1024-57-3-----	Heptachlor epoxide	1.33333	U
72-43-5-----	Methoxychlor	1.33333	U

FORM I PESTICIDE

000053

3781503

FORM 3  
SOIL PESTICIDE LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06020

SDG No.: 9809-658

Matrix Spike - Sample No.: P06020BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	33.33333		22.18085	66	31-111
alpha-BHC	33.33333		21.58782	65	22-112
beta-BHC	33.33333		25.66945	77	54-120
delta-BHC	33.33333		25.05808	75	10- 96
gamma-BHC (Lindane)	33.33333		23.56931	71	26-113
alpha-chlordane	33.33333		26.30660	79	49-103
gamma-chlordane	33.33333		25.99169	78	50-106
4,4'-DDD	33.33333		29.83894	90	47-112
4,4'-DDE	33.33333		26.40523	79	36-117
4,4'-DDT	33.33333		36.93027	111	49-124
Dieldrin	33.33333		25.95561	78	44-108
Endosulfan I	33.33333		24.98518	75	49-103
Endosulfan II	33.33333		28.61256	86	53-115
Endosulfan sulfate	33.33333		29.07345	87	51-110
Endrin	33.33333		26.46979	79	44-118
Endrin aldehyde	33.33333		29.14481	87	48-128
Endrin Ketone	33.33333		30.37010	91	38-130
Heptachlor	33.33333		24.28919	73	47-113
Heptachlor epoxide	33.33333		26.17447	78	47-112
Methoxychlor	33.33333		29.84320	90	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 20 outside limits

COMMENTS:



FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781504

Lab Name: ETC, INC.

Lab Prep Batch: P06020

SDG No.: 9809-658

Matrix Spike - Sample No.: 9809-658-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	32.36246	0.00000	22.06717	68	31-111
alpha-BHC	32.36246	0.00000	22.76013	70	22-112
beta-BHC	32.36246	0.00000	28.34404	88	54-120
delta-BHC	32.36246	0.00000	18.88609	58	10- 96
gamma-BHC (Lindane)	32.36246	0.00000	25.74768	80	26-113
alpha-chlordane	32.36246	0.00000	26.63396	82	49-103
gamma-chlordane	32.36246	0.00000	25.90754	80	50-106
4,4'-DDD	32.36246	0.00000	30.96147	96	47-112
4,4'-DDE	32.36246	0.42037	26.36251	80	36-117
4,4'-DDT	32.36246	0.00000	30.29175	94	49-124
Diieldrin	32.36246	1.79418	28.11836	81	44-108
Endosulfan I	32.36246	0.00000	24.92623	77	49-103
Endosulfan II	32.36246	0.00000	27.70316	86	53-115
Endosulfan sulfate	32.36246	0.00000	27.65404	85	51-110
Endrin	32.36246	0.00000	27.70424	86	44-118
Endrin aldehyde	32.36246	0.00000	30.09968	93	48-128
Endrin Ketone	32.36246	0.00000	30.89566	95	38-130
Heptachlor	32.36246	0.00000	26.49880	82	47-113
Heptachlor epoxide	32.36246	0.00000	25.71393	79	47-112
Methoxychlor	32.36246	0.00000	19.23905	59	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

3781505

FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06020

SDG No.: 9809-658

Matrix Spike - Sample No.: 9809-658-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	32.67973	23.48413	72	6	20	31-111
alpha-BHC	32.67973	24.62469	75	7	20	22-112
beta-BHC	32.67973	29.28926	90	2	20	54-120
delta-BHC	32.67973	20.57197	63	8	20	10- 96
gamma-BHC (Lindane)	32.67973	27.40133	84	5	20	26-113
alpha-chlordane	32.67973	26.95994	82	0	20	49-103
gamma-chlordane	32.67973	26.89493	82	2	20	50-106
4,4'-DDD	32.67973	30.99947	95	1	20	47-112
4,4'-DDE	32.67973	26.90238	81	1	20	36-117
4,4'-DDT	32.67973	32.53512	100	6	20	49-124
Dieldrin	32.67973	29.05355	83	2	20	44-108
Endosulfan I	32.67973	26.39738	81	5	20	49-103
Endosulfan II	32.67973	28.85489	88	2	20	53-115
Endosulfan sulfate	32.67973	27.27771	83	2	20	51-110
Endrin	32.67973	27.36301	84	2	20	44-118
Endrin aldehyde	32.67973	30.75289	94	1	20	48-128
Endrin Ketone	32.67973	31.79255	97	2	20	38-130
Heptachlor	32.67973	27.94931	86	5	20	47-113
Heptachlor epoxide	32.67973	27.59152	84	6	20	47-112
Methoxychlor	32.67973	21.60973	66	11	20	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3781506

Environmental Testing & Consulting, Inc.

**Quality Control Reports**  
**GC PCBs**

000000

3781507

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBs - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-658  
Method (SW-846) : 8082/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06020 P06020LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06020BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-658-01 RPD : All analytes within QC limits.  
RA-C-015 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06020LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000058

FORM 2  
SOIL PCB SURROGATE RECOVERY

3781508

Lab Name: ETC, INC.

Contract: .

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-658

Level: (low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06020LB	55	86							0
02	P06020BS	60	81							0
03	9809-658-1	66	74							0
04	9809-658-2	50	69							0
05	9809-658-3	59	90							0
06	9809-658-1M	76	81							0
07	9809-658-1S	67	79							0
08										
09										
10										
11										
13										
14										
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25										
26										
27										
28										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)

S2 (DBC) = Decachlorobiphenyl (64-154)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

000059

3781509

FORM 4  
PCB METHOD BLANK SUMMARY

EPA GC SAMPLE NO

Lab Name: ETC, INC.

P06020LB

Lab Prep Batch: P06020

SDG No.: 9809-658

Lab File ID: C209241A-11R

Instrument ID: PEST2A

Matrix: (soil/water) SOIL

Date Analyzed: 09/25/98

Level:(low/med) LOW

Time Analyzed: 0059

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06020BS		C209241A-12R	09/25/98
02	9809-658-1		C209281A-04R	09/28/98
03	9809-658-2		C209281A-05R	09/28/98
04	9809-658-3		C209281A-06R	09/28/98
05	9809-658-1M		C209281A-07R	09/28/98
06	9809-658-1S		C209281A-08R	09/28/98
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
29				
30				

COMMENTS:

000060

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

3781510  
EPA GC SAMPLE NO.

P06020LB

Lab Name: ETC, INC.

SDG No.: 9809-658

Matrix: (soil/water) SOIL

Lab Prep Batch: P06020

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C209241A-11R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10 (mL)

Date Analyzed: 09/25/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----Aroclor	1016	16.67	U
11104-28-2-----Aroclor	1221	16.67	U
11141-16-5-----Aroclor	1232	16.67	U
53469-21-9-----Aroclor	1242	16.67	U
11097-69-1-----Aroclor	1254	16.67	U
11096-82-5-----Aroclor	1260	16.67	U
12672-29-6-----Aroclor	1248	16.67	U

FORM I PCB

000061

3781511

FORM 3  
SOIL PCB LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06020

SDG No.: 9809-658

Matrix Spike - Sample No.: P06020BS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor 1242	333.3		243.2	73	25-125
Aroclor 1260	333.3		256.9	77	25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 2 outside limits

COMMENTS: \_\_\_\_\_

FORM III PCB

000062



FORM 3  
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781512

Lab Name: ETC, INC.

Lab Prep Batch: P06020

SDG No.: 9809-658

Matrix Spike - Sample No.: 9809-658-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor 1242	325.7	0.000	246.4	76	25-125
Aroclor 1260	325.7	0.000	264.8	81	25-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor 1242	324.7	217.0	67	12	20	25-125
Aroclor 1260	324.7	257.3	79	2	20	25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 2 outside limits  
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III PCB

000063

3781513

**COMPOSITE CONFIRMATION SAMPLE COLLECTED  
FOLLOWING EXCAVATION IN AREA C**

*Date Collected 09/29/98*

**RA-C-018 (Composite of Grids C6, C7, C8 & C9)  
RA-C-EQ-006-CS (Equip. Blank)**



**3781514**

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road • Memphis, TN 38111 • (901) 327-2750 • FAX (901) 327-6334  
*Founded 1972*

October 1, 1998

Ms. Elena Rodriguez  
OHM Remediation Services  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Ref: Analytical Testing  
ETC Order # 9809902  
Project Description DDMT

Project # 20560 Defense Depot - Memphis, TN

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. Pera'.

Nathan A. Pera, IV  
Chief Executive Officer

rt  
Attachment

OHM\_DDMT

3781515

Chemical Analytical Data  
Review/Evaluation/Validation

SOUTHERN REGION

Report Type ☐ Preliminary ☒ Final Date Received \_\_\_\_\_ Project Number 20560  
 Project Name: DDMT Analysis/Method: TCL Pest, PCBs, TAL metals,  
CN, PAHs.  
 Laboratory: ETC Lab Project/Case Number: 9809902  
 Sample Number(s): RA-C-018, RA-C-EQ-006-CS

Evaluated By: S. Pardo-Jorge Date Evaluated: 2/4/99  
 Data Package Deliverables Requirement: ☐ OHM Minimum ☒ OHM Standard ☐ OHM Maximum  
☐ Other, please describe \_\_\_\_\_

Quality Control Deliverables	Required	Received	Passed	Failed
PQL, MDL, RL, etc meets DQOs	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Holding Times			<input checked="" type="checkbox"/>	
Comment:				
Sample Condition (preservatives, containers, temperature, etc) / Case Narrative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Surrogate Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: <u>out for BNA and Pest. matrix interference demonstrated. data acceptable.</u>				
Lab Control Sample Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Lab Control Sample Duplicate or Other Spike Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Lab Control Sample Duplicate or Other Laboratory Duplicate RPD	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Matrix Spike Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: <u>out for BNA, Pest, PCBs. LCS OK. Data accepted.</u>				
Matrix Spike Duplicate Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: <u>see note in MS Recoveries</u>				
Matrix Spike / Matrix Spike Duplicate RPD	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: <u>see note in MS Recoveries</u>				
Laboratory Blanks (daily, method, instrument)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Field Blanks (trip, eqpt rinsate, ambient, matrix)	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				

Quality Control Deliverables		Required	Received	Passed	Failed
Field Duplicates RPD		X			
Comment:	<i>N/A</i>				
Second Source Check					
Comment:					
Second Column Confirmation		✓		✓	
Comment:					
Percent Moisture/Solids				✓	
Comment:					
Initial / Continuing Calibrations		✓		✓	
Comment:	<i>Our job BNA, Pesticides Associated results flagged J' and accepted.</i>				
Internal Standard Areas and Retention Times (Organics Only)		✓		✓	
Comment:					
Chromatograms		✓		✓	
Comment:					
Sample Prep Worksheets		✓		✓	
Comment:					
Raw Data Calculations					
Comment:	<i>N/A</i>				
Laboratory Duplicates					
Comment:					
Instrument Performance Checks (Organics Only)		✓		✓	
Comment:					
Tentatively Identified Compounds (TICs)		✓		✓	
Comment:					
Completeness	# Samples	# Analyses	Tot # Analyses	Tot # Accept Analyses	% Complete
Completeness = (Tot # Analyses / Tot # Accepted Analyses) x 100	2	5	10	10	100

General Comments:

Summary: ☐ See attached pages

*Results flagged J for surrogate recoveries and continuing calibration data accepted as reported*

Check Applicable:

☐ Lab contacted--Corrective actions in process

Date Contacted: \_\_\_\_\_

☐ Corrective actions received and accepted

Date Received/Accepted: \_\_\_\_\_

☐ The data, as reported by the laboratory, are acceptable.

☒ The data, with qualifiers as described in the "Summary" portion of this report, are acceptable.

☐ The data are unacceptable.

☐ Other \_\_\_\_\_

*S Pasanjanpe*  
Evaluator's Signature

*2/4/99*  
Date

**Environmental Testing & Consulting, Inc.**  
**Data Qualifiers for Organic Reporting**

Within the attached report, some analytical data may be reported as "Qualified Data" as indicated by a "Data Qualifier" next to the result. This table summarizes the possible "Data Qualifiers" that may be associated with this report.

<b>Q</b>	Surrogate Recovery Outside QC Limits
<b>J</b>	Estimated Value. Presence of the compound was confirmed but less than the reported detection limit.
<b>E</b>	Concentration exceeds the established method calibration range but is within the working range of the instrument.
<b>B</b>	Analyte detected in the associated Method Blank
<b>U</b>	Reported result was unconfirmed. Refer to Case Narrative.
<b>N</b>	Non-Compliance Report associated with this sample or project.
<b>C</b>	Result reported from GC/MS confirmation analysis.
<b>NC</b>	Result reported from Primary Column. Result did not confirm.
<b>*</b>	QC Data (percent recovery/RPD for a particular analyte was outside QC Limits)

3781518

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
 2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ANALYTICAL SUMMARY TABLE**

Client Name **OHM Remediation Services**  
 Site ID **DDMT**  
**Memphis, TN**

<u>ETC</u>					
<u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>	
980990201	RA-C-018	SOIL	6010B	Silver	
980990201	RA-C-018	SOIL	6010B	Aluminum	
980990201	RA-C-018	SOIL	7060A	Arsenic	
980990201	RA-C-018	SOIL	8270C	GC/MS PAH	
980990201	RA-C-018	SOIL	6010B	Barium	
980990201	RA-C-018	SOIL	6010B	Beryllium	
980990201	RA-C-018	SOIL	6010B	Calcium	
980990201	RA-C-018	SOIL	6010B	Cadmium	
980990201	RA-C-018	SOIL	9010A	Cyanide	
980990201	RA-C-018	SOIL	6010B	Cobalt	
980990201	RA-C-018	SOIL	6010B	Chromium	
980990201	RA-C-018	SOIL	6010B	Copper	
980990201	RA-C-018	SOIL	6010B	Iron	
980990201	RA-C-018	SOIL	7471A	Mercury	
980990201	RA-C-018	SOIL	6010B	Potassium	
980990201	RA-C-018	SOIL	6010B	Magnesium	
980990201	RA-C-018	SOIL	6010B	Manganese	
980990201	RA-C-018	SOIL	6010B	Sodium	
980990201	RA-C-018	SOIL	6010B	Nickel	
980990201	RA-C-018	SOIL	8081A	Organochlorine Pesticides	
980990201	RA-C-018	SOIL	7421	Lead	
980990201	RA-C-018	SOIL	8082	PCBs	
980990201	RA-C-018	SOIL	6010B	Antimony	
980990201	RA-C-018	SOIL	7740	Selenium	
980990201	RA-C-018	SOIL	7841	Thallium	
980990201	RA-C-018	SOIL	6010B	Vanadium	
980990201	RA-C-018	SOIL	6010B	Zinc	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Silver	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Aluminum	
980990202	RA-C-EQ-006-CS	AQUEOUS	7060A	Arsenic	
980990202	RA-C-EQ-006-CS	AQUEOUS	8270C	GC/MS PAH	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Barium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Beryllium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Calcium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Cadmium	
980990202	RA-C-EQ-006-CS	AQUEOUS	9010A	Cyanide	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Cobalt	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Chromium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Copper	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Iron	
980990202	RA-C-EQ-006-CS	AQUEOUS	7470A	Mercury	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Potassium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Magnesium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Manganese	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Sodium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Nickel	
980990202	RA-C-EQ-006-CS	AQUEOUS	8081A	Organochlorine Pesticides	
980990202	RA-C-EQ-006-CS	AQUEOUS	7421	Lead	
980990202	RA-C-EQ-006-CS	AQUEOUS	8082	PCBs	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Antimony	
980990202	RA-C-EQ-006-CS	AQUEOUS	7740	Selenium	
980990202	RA-C-EQ-006-CS	AQUEOUS	7841	Thallium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Vanadium	
980990202	RA-C-EQ-006-CS	AQUEOUS	6010B	Zinc	

3781519

**Environmental Testing & Consulting, Inc.**

**Login**  
**Chain-of-Custody**

000003





**OHM Remediation  
Services Corp.**  
*Subsidiary of OHM Corporation*  
U.S. Route 224 East • Findlay, Ohio

U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY.

218025

3781520

OHH's LAB COORDINATOR		LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX		LABORATORY SERVICE ID		LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)	
Elena Rodriguez		770-734-8060		770-453-7716		ETC		Nathan Pera		OHM Remediation Services Corp	
PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY PHONE		LABORATORY FAX		CLIENT NAME	
DDMT		Memphis, TN		20560		901-327-2750		901-327-6334		Elena Rodriguez	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		ADDRESS			
Steve Offner		901-743-1117		901-743-1048		2924 Walnut Grove Road		2924 Walnut Grove Road		5445 Triangle Pkwy., #400	
PROJECT ADDRESS		CITY STATE AND ZIP CODE		CLIENT		CITY STATE AND ZIP CODE		CITY STATE AND ZIP CODE		CITY STATE AND ZIP CODE	
1708 Dunn Ave.		Memphis, TN 38114		USACE		Memphis TN 38111		Memphis TN 38111		Notecross, GA 30092	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX			
Steve Offner		770-326-2571		770-453-7716		770-453-7716		770-453-7716			

[illegible][illegible]

Distribution White - Laboratory (To be returned with Analytical Report), Goldenrod - Project File, Yellow - Project Data Manager

## COOLER RECEIPT FORM

3781521

Cooler Receipt Form  
9809902 CRF p 1

LIMS # 9809-902

Number of Coolers 1

Date Received 09/29/98

VDTSR 09/29/98 14 30

PROJECT DDMT/Memphis, TN

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

- A PRELIMINARY EXAMINATION PHASE Date cooler was opened 09/29/98  
by (print) Lynette Bugg (sign) Lynette Bugg
- 1 Did cooler come with a shipping slip (airbill, etc)? NO  
If YES, enter carrier name & airbill number \_\_\_\_\_
- 2a Were custody seals on outside of cooler? NO  
2b Were custody seals on sample containers? NO
- 3 Were custody seals unbroken and intact at the date and time of arrival? NA
- 4 Did you screen samples for radioactivity using a Geiger Counter? NO
- 5 Were custody papers sealed in a plastic bag & taped inside to the lid? NO
- 6 Were custody papers filled out properly (ink, signed, etc)? YES
- 7 Did you sign custody papers in the appropriate place? YES
- 8 Was project identifiable from custody papers? If YES, enter project name at top of this form YES
- 9 If required, was enough ice used? cooler temp <4°C, Type of ice Crushed YES
- 10 Have designated person initial here to acknowledge receipt of cooler LB date 09/29/98
- B LOG-IN PHASE Date samples were logged-in 09/29/98  
by (print) Lynette Bugg (sign) Lynette Bugg
- 11 Describe type of packing in cooler Bubble Wrap and Ice
- 12 Were all bottles sealed in separate plastic bags? YES
- 13 Did all bottles arrive unbroken and were labels in good condition? YES
- 14 Were all bottle labels complete (ID, date, time, signature, preserved, etc)? YES
- 15 Did all bottle labels agree with custody papers? YES
- 16 Were correct containers used for the tests indicated? YES
- 17 Were correct preservatives added to samples? YES
- 18 Was a sufficient amount of sample sent for tests indicated? YES
- 19 Were bubbles absent in VOA samples? If NO, list by sample# NA
- 20 Was the project manager called and status discussed? If YES, give details on the back of this form NO
- 21 Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_\_

VDTSR - Validated Date/Time of Sample Receipt (Date sample is logged into LIMS system)

000005

3781522

**Environmental Testing & Consulting, Inc.**

## **Sample Reports**

000006

3781523

ENVIRONMENTAL TESTING & CONSULTING, INC.  
Memphis, TN  
INORGANIC ANALYSIS DATA SHEET  
PERCENT SOLIDS

Client Name :OHM Remediation Services  
Project Name :DDMT  
Memphis, TN

Matrix :SOIL

Date Sample Received :09/29/98

Contract Laboratory Order Number :9809-902

<u>Contract Lab</u> <u>Sample No</u>	<u>Client Sample</u> <u>ID</u>	<u>Date</u> <u>Sampled</u>	<u>Result</u> <u>Units : (% , 1)</u>	<u>Date</u> <u>Analyzed</u>	<u>Method</u>	<u>By</u>
9809-902-01	RA-C-018	09/29/98	95	09/29/98	160.3	MC

  
LABORATORY MANAGER

000007

3781524

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/29/98  
ETC Order Number 9809902

ETC Lab ID **9809902-01**  
**Sample ID: RA-C-018**

Matrix :SOIL  
Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1.00	08:35	09/30/98 GD	9010A

  
LABORATORY MANAGER

000008

**ENVIRONMENTAL TESTING & CONSULTING, INC.** 3781525  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560

Date Arrived 09/29/98  
ETC Order Number 9809902

ETC Lab ID 9809902-02  
**Sample ID: RA-C-EQ-006-CS**

Matrix :AQUEOUS  
Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/L	0.010	08:35	09/30/98 GD	9010A

  
LABORATORY MANAGER

000009

3781526

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
 2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560

Date Arrived 09/29/98  
 ETC Order Number 9809902

ETC Lab ID **9809902-01**  
**Sample ID: RA-C-018**

Matrix :SOIL  
 Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-36					NR 3051
Mercury Digestion Batch	V4-SO-36					RM 7471A
Silver	ND	mg/Kg	0.700	14:33	10/01/98	TD 6010B
Aluminum	13,600	mg/Kg	4.00	14:60	10/01/98	TD 6010B
Arsenic	14.4	mg/Kg	0.200	16:29	09/30/98	JF 7060A
Barium	125	mg/Kg	0.200	14:33	10/01/98	TD 6010B
Beryllium	0.571	mg/Kg	0.100	14:33	10/01/98	TD 6010B
Calcium	1820	mg/Kg	1.00	14:33	10/01/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	14:33	10/01/98	TD 6010B
Cobalt	10.9	mg/Kg	0.700	14:33	10/01/98	TD 6010B
Chromium	16.4	mg/Kg	0.700	14:33	10/01/98	TD 6010B
Copper	19.4	mg/Kg	0.600	14:33	10/01/98	TD 6010B
Iron	21,800	mg/Kg	0.700	14:60	10/01/98	TD 6010B
Mercury	0.059	mg/Kg	0.020	14:37	10/02/98	RM 7471A
Potassium	1,030	mg/Kg	20.0	14:33	10/01/98	TD 6010B
Magnesium	2,260	mg/Kg	3.00	14:33	10/01/98	TD 6010B
Manganese	716	mg/Kg	0.200	14:33	10/01/98	TD 6010B
Sodium	70.5	mg/Kg	20.0	14:33	10/01/98	TD 6010B
Nickel	18.0	mg/Kg	1.50	14:33	10/01/98	TD 6010B
Lead	31.8	mg/Kg	0.100	10:04	10/01/98	TD 7421
Antimony	ND	mg/Kg	3.20	14:33	10/01/98	TD 6010B
Selenium	0.249	mg/Kg	0.200	10:06	10/02/98	JF 7740
Thallium	0.269	mg/Kg	0.100	10:07	10/02/98	JF 7841
Vanadium	24.0	mg/Kg	0.800	14:33	10/01/98	TD 6010B
Zinc	106	mg/Kg	1.00	14:33	10/01/98	TD 6010B

  
 LABORATORY MANAGER

000010

3781527

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/29/98

ETC Order Number 9809902

ETC Lab ID 9809902-02

**Sample ID: RA-C-EQ-006-CS**

Matrix :AQUEOUS

Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V11-AQ-97					NR 3015
Mercury Digestion Batch	V4-AQ-44					RM 7470A
Silver	ND	mg/L	0.009	13:37	10/01/98	TD 6010B
Aluminum	ND	mg/L	0.060	13:37	10/01/98	TD 6010B
Arsenic	ND	mg/L	0.003	16:18	09/30/98	JF 7060A
Barium	ND	mg/L	0.003	13:37	10/01/98	TD 6010B
Beryllium	ND	mg/L	0.002	13:37	10/01/98	TD 6010B
Calcium	21	mg/L	0.015	13:37	10/01/98	TD 6010B
Cadmium	ND	mg/L	0.005	13:37	10/01/98	TD 6010B
Cobalt	ND	mg/L	0.009	13:37	10/01/98	TD 6010B
Chromium	ND	mg/L	0.009	13:37	10/01/98	TD 6010B
Copper	ND	mg/L	0.008	13:37	10/01/98	TD 6010B
Iron	ND	mg/L	0.009	13:37	10/01/98	TD 6010B
Mercury	ND	mg/L	0.0002	15:08	09/30/98	RM 7470A
Potassium	ND	mg/L	0.250	13:37	10/01/98	TD 6010B
Magnesium	ND	mg/L	0.040	13:37	10/01/98	TD 6010B
Manganese	ND	mg/L	0.003	13:37	10/01/98	TD 6010B
Sodium	ND	mg/L	0.050	13:37	10/01/98	TD 6010B
Nickel	ND	mg/L	0.020	13:37	10/01/98	TD 6010B
Lead	ND	mg/L	0.002	09:35	10/01/98	JF 7421
Antimony	ND	mg/L	0.040	13:37	10/01/98	TD 6010B
Selenium	ND	mg/L	0.003	16:18	09/30/98	JF 7740
Thallium	ND	mg/L	0.002	10:56	10/02/98	JF 7841
Vanadium	ND	mg/L	0.010	13:37	10/01/98	TD 6010B
Zinc	ND	mg/L	0.010	13:37	10/01/98	TD 6010B

  
 LABORATORY MANAGER

000011



3781528

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/29/98  
 ETC Order Number 9809902

ETC Lab ID 9809902-01  
**Sample ID: RA-C-018**

Matrix :SOIL  
 Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS PAH				09/30/98	10/01/98	RR	8270C
QC Batch	P04042	ug/Kg					
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	50J	ug/Kg	67.0				
Benzo(b)fluoranthene	102	ug/Kg	67.0				
Benzo(k)fluoranthene	46J	ug/Kg	67.0				
Benzo(g,h,i)perylene	ND	ug/Kg	67.0				
Benzo(a)pyrene	ND	ug/Kg	67.0				
Chrysene	91.0	ug/Kg	67.0				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Fluoranthene	133	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Indeno(1,2,3-cd)pyrene	ND	ug/Kg	67.0				
Naphthalene	ND	ug/Kg	67.0				
Phenanthrene	45J	ug/Kg	67.0				
Pyrene	105	ug/Kg	67.0				
<b>Surrogate Standard</b>	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Nitrobenzene-d5	77		39	80			
S2 - 2-Fluorobiphenyl	94 Q		43	84			
S3 - 4-Terphenyl-d14	77		40	121			

  
 LABORATORY MANAGER

ND - Not Detected

000012

3781529

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-902-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: 0501007

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1(mL)

Date Analyzed: 10/01/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

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

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

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	.ALPHA.-PINENE	4.33	198	NJ
2. 4291-79-6	CYCLOHEXANE, 1-METHYL-2-PROP	4.41	140	NJ
3. 57-10-3	HEXADECANOIC ACID	12.16	261	NJ
4. 605-48-1	ANTHRACENE, 9,10-DICHLORO-	13.91	134	NJ
5. 50-29-3	CHLOROPHENOTHANE	15.15	151	NJ
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
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22.				
23.				
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25.				
26.				
27.				
28.				
29.				
30.				

FORM I BNA-GCMS-TIC

000013

3781530

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 09/29/98  
 ETC Order Number 9809902

ETC Lab ID 9809902-02  
**Sample ID: RA-C-EQ-006-CS**

Matrix :AQUEOUS  
 Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS PAH				10/01/98	10/02/98	RR	8270C
QC Batch	P05050	ug/L					
Acenaphthene	ND	ug/L	2.00				
Acenaphthylene	ND	ug/L	2.00				
Anthracene	ND	ug/L	2.00				
Benzo(a)anthracene	ND	ug/L	2.00				
Benzo(b)fluoranthene	ND	ug/L	2.00				
Benzo(k)fluoranthene	ND	ug/L	2.00				
Benzo(g,h,i)perylene	ND	ug/L	2.00				
Benzo(a)pyrene	ND	ug/L	2.00				
Chrysene	ND	ug/L	2.00				
Dibenzo(a,h)anthracene	ND	ug/L	2.00				
Fluoranthene	ND	ug/L	2.00				
Fluorene	ND	ug/L	2.00				
Indeno(1,2,3-cd)pyrene	ND	ug/L	2.00				
Naphthalene	ND	ug/L	2.00				
Phenanthrene	ND	ug/L	2.00				
Pyrene	ND	ug/L	2.00				

Surrogate Standard	% Recovery	QC Limits
S1 - Nitrobenzene-d5	69	35 85
S2 - 2-Fluorobiphenyl	79	46 84
S3 - 4-Terphenyl-d14	72	33 113

  
 LABORATORY MANAGER

ND - Not Detected

000014

3781531

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9809-902-2

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

Matrix: (soil/water) WATER

Lab Sample ID:

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 0401004

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/02/98

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

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I BNA-GCMS-TIC

000015

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781532

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/29/98  
ETC Order Number 9809902

ETC Lab ID 9809902-01  
**Sample ID: RA-C-018**

Matrix :SOIL  
Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides				09/30/98	10/07/98	RG	8081A
QC Batch	P06022	ug/Kg					
Aldrin	ND	ug/Kg	20.0				
Alpha-BHC	ND	ug/Kg	20.0				
Beta-BHC	ND	ug/Kg	20.0				
Delta-BHC	ND	ug/Kg	20.0				
Gamma-BHC (Lindane)	ND	ug/Kg	20.0				
Alpha-Chlordane	35.0	ug/Kg	20.0				
Gamma-Chlordane	24.5	ug/Kg	20.0				
Chlordane	149	ug/Kg	200				
4,4'-DDD	ND	ug/Kg	20.0				
4,4'-DDE	59.2	ug/Kg	20.0				
4,4'-DDT	88.3	ug/Kg	20.0				
Dieldrin	167	ug/Kg	20.0				
Endosulfan I	ND	ug/Kg	20.0				
Endosulfan II	ND	ug/Kg	20.0				
Endosulfan Sulfate	ND	ug/Kg	20.0				
Endrin	ND	ug/Kg	20.0				
Endrin Aldehyde	ND	ug/Kg	20.0				
Endrin Ketone	ND	ug/Kg	20.0				
Heptachlor	ND	ug/Kg	20.0				
Heptachlor Epoxide	ND	ug/Kg	20.0				
Methoxychlor	ND	ug/Kg	20.0				
Toxaphene	ND	ug/Kg	2000				

Surrogate Standard	% Recovery	QC Limits	
S1 - Decachlorobiphenyl	91	64	154
S2 - Tetrachloro-m-xylene	96	39	130

  
LABORATORY MANAGER

ND - Not Detected

300016

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781533**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 09/29/98  
ETC Order Number 9809902

ETC Lab ID 9809902-02  
**Sample ID: RA-C-EQ-006-CS**

Matrix :AQUEOUS  
Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides				10/01/98	10/07/98	RG	8081A
QC Batch	P07020	ug/L					
Aldrin	ND	ug/L	0.040				
Alpha-BHC	ND	ug/L	0.040				
Beta-BHC	ND	ug/L	0.040				
Delta-BHC	ND	ug/L	0.040				
Gamma-BHC (Lindane)	ND	ug/L	0.040				
Alpha-Chlordane	ND	ug/L	0.040				
Gamma-Chlordane	ND	ug/L	0.040				
Chlordane	ND	ug/L	0.250				
4,4'-DDD	ND	ug/L	0.040				
4,4'-DDE	ND	ug/L	0.040				
4,4'-DDT	ND	ug/L	0.040				
Dieldrin	ND	ug/L	0.040				
Endosulfan I	ND	ug/L	0.040				
Endosulfan II	ND	ug/L	0.040				
Endosulfan Sulfate	ND	ug/L	0.040				
Endrin	ND	ug/L	0.040				
Endrin Aldehyde	ND	ug/L	0.040				
Endrin Ketone	ND	ug/L	0.040				
Heptachlor	ND	ug/L	0.040				
Heptachlor Epoxide	ND	ug/L	0.040				
Methoxychlor	ND	ug/L	0.040				
Toxaphene	ND	ug/L	3.00				
<b>Surrogate Standard</b>			<b>% Recovery</b>	<b>QC Limits</b>			
S1 - Decachlorobiphenyl	62		34	115			
S2 - Tetrachloro-m-xylene	88		31	96			

  
LABORATORY MANAGER

ND - Not Detected

**000017**

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

3781534

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**  
Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 09/29/98  
ETC Order Number 9809902

ETC Lab ID 9809902-01  
**Sample ID: RA-C-018**

Matrix :SOIL  
Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				09/30/98	10/02/98	RG	8082
QC Batch	P06022	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				
<b>Surrogate Standard</b>	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Tetrachloro-m-xylene	73		39	130			
S2 - Decachlorobiphenyl	93		64	154			

  
LABORATORY MANAGER

ND - Not Detected

300018

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET****3781535**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 09/29/98  
ETC Order Number 9809902

ETC Lab ID **9809902-02**  
**Sample ID: RA-C-EQ-006-CS**

Matrix :AQUEOUS  
Sample Date :09/29/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				10/01/98	10/02/98	RG	8082
QC Batch	P07020	ug/L					
PCB-1016	ND	ug/L	0.500				
PCB-1221	ND	ug/L	0.500				
PCB-1232	ND	ug/L	0.500				
PCB-1242	ND	ug/L	0.500				
PCB-1248	ND	ug/L	0.500				
PCB-1254	ND	ug/L	0.500				
PCB-1260	ND	ug/L	0.500				
<b>Surrogate Standard</b>	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Tetrachloro-m-xylene	72		31	96			
S2 - Decachlorobiphenyl	64		34	115			

  
LABORATORY MANAGER

ND - Not Detected

**000019**



3781536

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Inorganics**

000020

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
INORGANICS

3781537

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902

**HOLDING TIMES**

Sample Analysis : All samples analyzed within Method Specified  
Holding Times.

**CALIBRATION**

Laboratory Control Sample : All criteria met.

**QUALITY CONTROL**

Matrix Spike

Spike Recovery : All analytes within QC limits

Method Blank

No Target Analytes detected above Detection Limit.

  
Laboratory Manager

000021

3781538

**Environmental Testing & Consulting, Inc.**  
**Inorganic QC Data Summary**

**Client Name** OHM Remediation Services  
**Project** DDMT - Memphis, TN

**ETC Order Number** 9809-902  
**File Name** 9809-902 1

**Method Blank**

Analyte	Date Analyzed	Blank Concentration mg/Kg	QC Batch
Cyanide	09/30/98	<1 00	CY093098

**Calibration Verification (CV)**

Analyte	Date Analyzed	CV Conc mg/L	CV Conc Found	% Difference
Cyanide	09/30/98	0 200	0 207	4 0

**Laboratory Control Sample (LCS)**

Analyte	Date Analyzed	LCS Conc mg/Kg	LCS Conc Found	% Recovery
Cyanide	09/30/98	20 0	19 9	100 0

**Matrix Spike/Matrix Spike Duplicate**

Sample ID	Analyte	Spike mg/Kg	Sample mg/Kg	MS Conc Found	MS % Recovery	QC Limits	RPD
9809-902-01 MS	Cyanide	20 0	<1 00	19 0	95	70 - 130	
9809-902-01 MSD	Cyanide	20 0	<1 00	19 8	99	70 - 130	4

**Environmental Testing & Consulting, Inc.**  
**Inorganic QC Data Summary**

**3781539**

**Client Name** OHM Remediation Services  
**Project** DDMT - Memphis, TN

**ETC Order Number** 9809-902  
**File Name** 9809-902 2

**Method Blank**

Analyte	Date Analyzed	Blank Concentration mg/L	QC Batch
Cyanide	09/30/98	<0.010	CY093098

**Calibration Verification (CV)**

Analyte	Date Analyzed	CV Conc mg/L	CV Conc Found	% Difference
Cyanide	09/30/98	0.200	0.207	4.0

**Laboratory Control Sample (LCS)**

Analyte	Date Analyzed	LCS Conc mg/L	LCS Conc Found	% Recovery
Cyanide	09/30/98	0.200	0.202	101

**Matrix Spike/Matrix Spike Duplicate**

Sample ID	Analyte	Spike mg/L	Sample mg/L	MS Conc Found	MS % Recovery	QC Limits	RPD
9809-902-01 MS	Cyanide	0.200	<0.010	0.192	96	68 - 114	
9809-902-01 MSD	Cyanide	0.200	<0.010	0.185	93	68 - 114	3

**000023**

3781540

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Metals  
ICP/GFAA/CV**

000024

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781541

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V8-SO-36  
Mercury V4-SO-36

Sample Analysis : All samples digested and analyzed within 180 days of collection.  
Mercury Analysis : All samples analyzed within 28 days of collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer

Dilutions Required : No dilutions required.\*

\*

Due to low recoveries and failing Post Digestion Spike, all Selenium data was reported based on the Method of Standard Additions.

Dilutions were performed on several samples to bring the Target Analyte(s) within calibration range (C) or to remove spectral interference (I) as indicated.

<u>Sample ID</u>	<u>Metal</u>	<u>Dilution Factor</u>	<u>Sample ID</u>	<u>Metal</u>	<u>Dilution Factor</u>
9809-902-01	Aluminum	1:5 (C)	9809-902-01	Lead	1:10 (C)
9809-902-01	Arsenic	1:2 (C)	9809-902-01	Iron	1:5 (C)

**QUALITY CONTROL**

**9809-902.MQ1BLANK**

Method Blank

V8-SO-36BLK - ICP/GFAA Metals

V4-SO-36BLK - Mercury

Calcium identified in V8-SO-36BLK at 3.80 mg/Kg.

**9809-902.MQ1LCS**

Laboratory Control Sample(s)

V8-SO-36LCS - ICP/GFAA Metals

V4-SO-36LCS - Mercury

All criteria met.

000025

3781542

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902

**QUALITY CONTROL****9809-902.MQ1MSMSD**Matrix Spike / Matrix Spike Dup - ICP Metals

9809-902-01 RPD : All analytes within QC limits.  
RA-C-018 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Antimony were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. A Post Digestion Spike was performed for verification :

	mg/L	mg/L	%	QA
<u>Analyte</u>	<u>Expected</u>	<u>Found</u>	<u>Recovery</u>	<u>Evaluation</u>
Antimony	0.500	0.534	107	Pass

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. Dilution Tests were performed for verification :

<u>Analyte</u>	No <u>Dilution</u>	1:5 <u>Dilution</u>	1:25 <u>Dilution</u>	% <u>Difference</u>	QA <u>Evaluation</u>
Aluminum	-----	13600 mg/Kg	13400 mg/Kg	1	Pass
Calcium	1920	1870	-----	3	Pass
Iron	-----	21800	21600	1	Pass
Potassium	1030	1040	-----	1	Pass
Manganese	716	710	-----	1	Pass
Magnesium	2260	2210	-----	2	Pass
Zinc	106	104	-----	2	Pass

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Graphite Metals

9809-902-01 RPD : All analytes within QC limits.  
RA-C-018 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Arsenic and Lead were flagged as outside QC Limits due to the level of this analyte present relative to the spike amount. Dilution Test were performed for verification :

<u>Analyte</u>	1:2 <u>Dilution</u>	1:10 <u>Dilution</u>	1:50 <u>Dilution</u>	% <u>Difference</u>	QA <u>Evaluation</u>
Arsenic	14.4 mg/Kg	15.5 mg/Kg	-----	8	Pass
Lead	----	31.8	31.5	1	Pass

Recoveries for Selenium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

100026

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781543

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902

**QUALITY CONTROL**

Matrix Spike / Matrix Spike Dup - Hg

9809-902-01

RPD : All analytes within QC limits.

RA-C-018

Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Dilution Test - Dilution result must agree within 10% of original  
result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

000027



3781544

SOLID METHOD BLANK  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals

V8-SO-36 BLK

QC Batch

V8-SO-36

Laboratory ID Mercury

V4-SO-36 BLK

V4-SO-36

Date Sample Prepared

09/30/98

ICP/GFAA Metals

10/02/98

Mercury

Metals	Concentration mg/Kg	Detection Limit mg/Kg	Date Analyzed	Method
Silver	<0 700	0 700	10/01/98	6010B
Aluminum	<4 00	4 00	10/01/98	6010B
Arsenic	<0 200	0 200	09/30/98	7060A
Barium	<0 200	0 200	10/01/98	6010B
Beryllium	<0 100	0 100	10/01/98	6010B
Calcium	3 80	1 00	10/01/98	6010B
Cadmium	<0 400	0 400	10/01/98	6010B
Cobalt	<0 700	0 700	10/01/98	6010B
Chromium	<0 700	0 700	10/01/98	6010B
Copper	<0 600	0 600	10/01/98	6010B
Iron	<0 700	0 700	10/01/98	6010B
Potassium	<20 0	20 0	10/01/98	6010B
Magnesium	<3 00	3 00	10/01/98	6010B
Manganese	<0 200	0 200	10/01/98	6010B
Sodium	<20 0	20 0	10/01/98	6010B
Nickel	<1 50	1 50	10/01/98	6010B
Lead	<0 100	0 100	10/01/98	7421
Antimony	<3 20	3 20	10/01/98	6010B
Selenium	<0 200	0 200	09/30/98	7740
Thallium	<0 100	0 100	10/02/98	7841
Vanadium	<0 800	0 800	10/01/98	6010B
Zinc	<1 00	1 00	10/01/98	6010B
Mercury	<0 020	0 020	10/02/98	7471A

Metals Blank

9809-902 mq1BLANK

000028

SOLID LABORATORY CONTROL SAMPLE  
METALS

3781545

Lab Name Environmental Testing and Consulting, Inc

Laboratory Control ID ICP/GFAA Metals V8-SO-36 LCS V8-SO-36 QC Batch  
Mercury V4-SO-36 LCS V4-SO-36

Date Prepared ICP/GFAA Metals 09/30/98  
Mercury 10/02/98

Metals	Spike Added mg/Kg	Found mg/Kg	% R	#	QC Limits
Silver	20 0	19 2	96		80 120
Aluminum	200	199	100		80 120
Arsenic	5 00	4 59	92		85 115
Barium	200	203	102		80 120
Beryllium	20 0	19 2	96		80 120
Calcium	400	411	103		80 120
Cadmium	20 0	19 8	99		80 120
Cobalt	100	102	102		80 120
Chromium	40 0	40 5	101		80 120
Copper	40 0	41 6	104		80 120
Iron	200	204	102		80 120
Potassium	400	405	101		80 120
Magnesium	400	393	98		80 120
Manganese	20 0	20 6	103		80 120
Sodium	400	415	104		80 120
Nickel	100	102	102		80 120
Lead	2 00	2 01	101		85 115
Antimony	200	200	100		80 120
Selenium	5 00	4 50	90		85 115
Thallium	2 00	1 87	94		85 115
Vanadium	100	101	101		80 120
Zinc	20 0	20 6	103		80 120
Mercury	0 167	0 163	98		80 120

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

Metals Laboratory Control Sample

9809-902 mq1LCS  
000029

3781546

SOLID MATRIX SPIKE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-902-01	QC Batch	V8-SO-36
Laboratory ID MS Mercury	9809-902-01		V4-SO-36

Date Sample Prepared	09/30/98	ICP/GFAA Metals
	10/02/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MS Conc mg/Kg	RPD <20% #	MS % Rec #	QC Limits	
Silver	20.6	ND	20.2	4	98	75	125
Aluminum	206	13600	11700	3	-922 *	75	125
Arsenic	5.26	14.4	17.8	7	65 *	70	130
Barium	206	125	331	0	100	75	125
Beryllium	20.6	0.571	20.6	2	97	75	125
Calcium	413	1920	2140	2	53 *	75	125
Cadmium	20.6	ND	19.7	2	90	75	125
Cobalt	103	10.9	113	1	99	75	125
Chromium	41.3	16.4	55.9	1	96	75	125
Copper	41.3	19.4	62.9	3	105	75	125
Iron	206	21800	19200	2	-1262 *	75	125
Potassium	413	1030	1460	1	104	75	125
Magnesium	413	2260	2430	0	41 *	75	125
Manganese	20.6	716	667	3	-238 *	75	125
Sodium	413	70.5	491	4	102	75	125
Nickel	103	18.0	119	5	98	75	125
Lead	2.11	31.8	36.3	9	213 *	70	130
Antimony	206	ND	0	0	0 *	75	125
Selenium	5.26	0.279	3.40	4	59 *	70	130
Thallium	2.11	0.269	2.07	1	85	70	130
Vanadium	103	24.0	116	0	89	75	125
Zinc	20.6	106	123	0	83	75	125
Mercury	0.168	0.059	0.212	5	91	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike

9809-902 mq1MSMSD

000030

3781547

SOLID MATRIX SPIKE DUPLICATE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-902-01	QC Batch V8-SO-36
Laboratory ID MS Mercury	9809-902-01	V4-SO-36

Date Sample Prepared	09/30/98	ICP/GFAA Metals
	10/02/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MSD Conc mg/Kg		MSD % Rec	#	QC Limits	
Silver	20.2	ND	19.5		97		75	125
Aluminum	202	13600	12100		-743	*	75	125
Arsenic	5.16	14.4	19.1		91		70	130
Barium	202	125	331		102		75	125
Beryllium	20.2	0.571	20.2		97		75	125
Calcium	405	1920	2090		42	*	75	125
Cadmium	20.2	ND	19.3		88		75	125
Cobalt	101	10.9	112		100		75	125
Chromium	40.5	16.4	56.4		99		75	125
Copper	40.5	19.4	61.2		103		75	125
Iron	202	21800	18800		-1485	*	75	125
Potassium	405	1030	1450		104		75	125
Magnesium	405	2260	2430		42	*	75	125
Manganese	20.2	716	687		-144	*	75	125
Sodium	405	70.5	510		109		75	125
Nickel	101	18.0	113		94		75	125
Lead	2.06	31.8	33.2		68	*	70	130
Antimony	202	ND	0		0	*	75	125
Selenium	5.16	0.279	3.26		58	*	70	130
Thallium	2.06	0.269	2.09		88		70	130
Vanadium	101	24.0	116		91		75	125
Zinc	20.2	106	123		84		75	125
Mercury	0.159	0.059	0.202		90		75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike Duplicate

9809-902 mq1MSMSD

000031

3781548

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - AQUEOUS

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V11-AQ-97  
Mercury V4-AQ-44

Sample Analysis : All samples digested and analyzed within 180  
days of collection.  
Mercury Analysis : All samples analyzed within 28 days of  
collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer

Dilutions Required : No dilutions required.\*

\*  
Due to low recoveries and failing Post Digestion Spike, all Thallium  
data was reported based on the Method of Standard Additions.

**QUALITY CONTROL**

**9809-902.MQCB LANK**

Method Blank

V11-AQ-97BLK - ICP/GFAA Metals  
V4-AQ-44BLK - Mercury

No analytes detected in the Method Blank.

**9809-902.MQCLCS**

Laboratory Control Sample(s)

V11-AQ-97LCS - ICP/GFAA Metals  
V4-AQ-44LCS - Mercury

All criteria met.

000032

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - AQUEOUS

3781549

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902

QUALITY CONTROL

9809-902.MQCMSMSD

Matrix Spike / Matrix Spike Dup - ICP Metals

9809-831-01 RPD : All analytes within QC limits.  
FTCS04-MW04-000-01 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. Dilution Tests were performed for verification :

Analyte	No Dilution	1:5 Dilution	% Difference	QA Evaluation
Calcium	21.7 mg/L	21.0 mg/L	3	Pass
Magnesium	16.1	15.7	2	Pass
Sodium	32.7	30.3	7	Pass

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Graphite Metals

9809-831-01 RPD : All analytes within QC limits.  
FTCS04-MW04-000-01 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Thallium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Hg

9809-831-01 RPD : All analytes within QC limits.  
FTCS04-MW04-000-01 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Dilution Test - Dilution result must agree within 10% of original result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

000033

3781550

WATER METHOD BLANK  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals V11-AQ-97 BLK QC Batch V11-AQ-97

Laboratory ID Mercury V4-AQ-44 BLK V4-AQ-44

Date Sample Prepared 09/29/98 ICP/GFAA Metals

09/30/98 Mercury

Metals	Concentration mg/L	Detection Limit mg/L	Date Analyzed	Method
Silver	<0 009	0 009	10/01/98	6010B
Aluminum	<0 060	0 060	10/01/98	6010B
Arsenic	<0 003	0 003	09/30/98	7060A
Barium	<0 003	0 003	10/01/98	6010B
Beryllium	<0 002	0 002	10/01/98	6010B
Calcium	<0 015	0 015	10/01/98	6010B
Cadmium	<0 005	0 005	10/01/98	6010B
Cobalt	<0 009	0 009	10/01/98	6010B
Chromium	<0 009	0 009	10/01/98	6010B
Copper	<0 008	0 008	10/01/98	6010B
Iron	<0 009	0 009	10/01/98	6010B
Potassium	<0 250	0 250	10/01/98	6010B
Magnesium	<0 040	0 040	10/01/98	6010B
Manganese	<0 003	0 003	10/01/98	6010B
Sodium	<0 050	0 050	10/01/98	6010B
Nickel	<0 020	0 020	10/01/98	6010B
Lead	<0 002	0 002	09/29/98	7421
Antimony	<0 040	0 040	10/01/98	6010B
Selenium	<0 003	0 003	09/30/98	7740
Thallium	<0 002	0 002	10/02/98	7841
Vanadium	<0 010	0 010	10/01/98	6010B
Zinc	<0 010	0 010	10/01/98	6010B
Mercury	<0 0002	0 0002	09/30/98	7470A

Metals Blank

9809-902 mqcBLANK

000034

3781551

WATER LABORATORY CONTROL SAMPLE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory Control ID ICP/GFAA Metals V11-AQ-97 LCS QC Batch V11-AQ-97  
Mercury V4-AQ-44 LCS V4-AQ-44

Date Prepared ICP/GFAA Metals 09/29/98  
Mercury 09/30/98

Metals	Spike Added mg/L	Found mg/L	% R	#	QC Limits	
Silver	0.250	0.252	101		80	120
Aluminum	2.50	2.58	103		80	120
Arsenic	0.063	0.058	92		85	115
Barium	2.50	2.62	105		80	120
Beryllium	0.250	0.245	98		80	120
Calcium	5.00	5.20	104		80	120
Cadmium	0.250	0.249	100		80	120
Cobalt	1.25	1.30	104		80	120
Chromium	0.500	0.508	102		80	120
Copper	0.500	0.516	103		80	120
Iron	2.50	2.61	104		80	120
Potassium	5.00	5.16	103		80	120
Magnesium	5.00	5.00	100		80	120
Manganese	0.250	0.264	106		80	120
Sodium	5.00	5.12	102		80	120
Nickel	1.25	1.30	104		80	120
Lead	0.025	0.024	96		85	115
Antimony	2.50	2.58	103		80	120
Selenium	0.063	0.059	94		85	115
Thallium	0.025	0.025	100		85	115
Vanadium	1.25	1.30	104		80	120
Zinc	0.250	0.259	104		80	120
Mercury	0.0050	0.0046	92		80	120

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

Metals Laboratory Control Sample

9809-902.mqcLCS  
000035



3781552

WATER MATRIX SPIKE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-831-01	QC Batch V11-AQ-97
Laboratory ID MS Mercury	9809-831-01	V4-AQ-44

Date Sample Prepared	09/29/98	ICP/GFAA Metals
	09/30/98	Mercury

Metals	SPIKE Added mg/L	SAMPLE Conc mg/L	MS Conc mg/L	RPD <20% #	MS % Rec #	QC Limits	
Silver	0.250	ND	0.253	1	101	75	125
Aluminum	2.50	0.224	2.87	0	106	75	125
Arsenic	0.063	ND	0.063	0	100	85	115
Barium	2.50	0.094	2.74	1	106	75	125
Beryllium	0.250	ND	0.253	1	101	75	125
Calcium	5.00	21.7	26.5	0	96	75	125
Cadmium	0.250	ND	0.256	2	102	75	125
Cobalt	1.25	ND	1.33	1	106	75	125
Chromium	0.500	ND	0.529	1	106	75	125
Copper	0.500	ND	0.526	1	105	75	125
Iron	2.50	2.43	5.01	1	103	75	125
Potassium	5.00	0.580	5.81	0	105	75	125
Magnesium	5.00	16.1	20.8	0	94	75	125
Manganese	0.250	0.293	0.554	0	104	75	125
Sodium	5.00	32.7	34.6	4	38 *	75	125
Nickel	1.25	ND	1.33	1	106	75	125
Lead	0.025	ND	0.025	0	100	85	115
Antimony	2.50	ND	2.60	1	104	75	125
Selenium	0.063	ND	0.067	2	106	85	115
Thallium	0.025	ND	0.014	7	56 *	85	115
Vanadium	1.25	ND	1.33	1	106	75	125
Zinc	0.250	ND	0.266	1	106	75	125
Mercury	0.0050	ND	0.0045	0	90	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

9809-902 mqcMSMSD

000036

3781553

WATER MATRIX SPIKE DUPLICATE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9809-831-01	QC Batch V11-AQ-97
Laboratory ID MS Mercury	9809-831-01	V4-AQ-44

Date Sample Prepared	09/29/98	ICP/GFAA Metals
	09/30/98	Mercury

Metals	SPIKE Added mg/L	SAMPLE Conc mg/L	MSD Conc mg/L		MSD % Rec	#	QC Limits	
Silver	0.250	ND	0.251		100		75	125
Aluminum	2.50	0.224	2.86		105		75	125
Arsenic	0.063	ND	0.063		100		85	115
Barium	2.50	0.094	2.70		104		75	125
Beryllium	0.250	ND	0.251		100		75	125
Calcium	5.00	21.7	26.4		94		75	125
Cadmium	0.250	ND	0.252		101		75	125
Cobalt	1.25	ND	1.32		106		75	125
Chromium	0.500	ND	0.532		106		75	125
Copper	0.500	ND	0.521		104		75	125
Iron	2.50	2.43	4.98		102		75	125
Potassium	5.00	0.580	5.79		104		75	125
Magnesium	5.00	16.1	20.7		92		75	125
Manganese	0.250	0.293	0.552		104		75	125
Sodium	5.00	32.7	35.9		64	*	75	125
Nickel	1.25	ND	1.32		106		75	125
Lead	0.025	ND	0.025		100		85	115
Antimony	2.50	ND	2.63		105		75	125
Selenium	0.063	ND	0.066		105		85	115
Thallium	0.025	ND	0.015		60	*	85	115
Vanadium	1.25	ND	1.32		106		75	125
Zinc	0.250	ND	0.264		106		75	125
Mercury	0.0050	ND	0.0045		90		75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

9809-902 mqcMSMSD

000037

3781554

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Semi-Volatiles**

000038

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE

GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

3781555

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN

ETC Order # : 9809-902  
Method (SW-846) : 8270C/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P04042 P04042LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recoveries for 2-Fluorobiphenyl were flagged as outside QC Limits in Method Blank P04042LB, samples 9809-902-01(RA-C-018) and MS/MSD associated with this project. Review of the raw data showed no obvious matrix interference. Sample 9809-902-01 was re-analyzed for verification with similar recoveries.

Laboratory Control Sample FORM 3  
P04042BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-902-01 RPD : All analytes within QC limits.  
RA-C-018 Spike Recovery : All analytes within QC limits.\*  
\*

Recovery for Napthalene was flagged as outside QC Limits in the Matrix Spike. MSD recovery was within QC Limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P04042LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

Semi-Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times within QC limits.

000039

3781556

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8270C/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000040

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - AQUEOUS

3781557

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8270C/3510C

**HOLDING TIMES**

Sample Extraction : All aqueous samples extracted within 7 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P05050 P05050LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P05050LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-902-02 RPD : All analytes within QC limits.\*  
RA-C-EQ-006-CS Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries and RPDs for multiple analytes were flagged outside QC  
Limits in the Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P05050LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

Semi-Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times  
within QC limits.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000041

3781558

FORM 2  
SOIL BNA-GCMS SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P04042LB	63	75	74						0
02	P04042BS	67	94*	79						1
03	9809-902-1	77	94*	77						1
04	9809-902-1M	71	85*	68						1
05	9809-902-1S	78	88*	72						1
06	9809-902-1	78	95*	78						1
07										
08										
09										
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30										

S1 (NBZ) = Nitrobenzene-d5  
 S2 (FBP) = 2-Fluorobiphenyl  
 S3 (TPH) = Terphenyl-d14

QC LIMITS  
 (39- 80)  
 (43- 84)  
 (40-121)

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

000042

FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

3781559  
CLIENT SAMPLE NO

P04042LB

Lab Name: ETC, INC.

Lab Prep Batch: P04042

Lab File ID: 0301005

Matrix: (soil/water) SOIL

Level:(low/med) LOW

SDG No.: 9809-902

Instrument ID: BNA2

Date Analyzed: 10/01/98

Time Analyzed: 1329

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P04042BS		0401006	10/01/98
02	9809-902-1		0501007	10/01/98
03	9809-902-1M		0601008	10/01/98
04	9809-902-1S		0701009	10/01/98
05	9809-902-1		0801001	10/01/98
06				
07				
08				
09				
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COMMENTS:



3781560

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04042LB

Lab Name: ETC, INC.

SDG No.: 9809-902

Matrix: (soil/water) SOIL

Lab Prep Batch: P04042

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301005

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1(mL)

Date Analyzed: 10/01/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
83-32-9-----	Acenaphthene	66.7	U	
208-96-8-----	Acenaphthylene	66.7	U	
120-12-7-----	Anthracene	66.7	U	
56-55-3-----	Benzo(a)Anthracene	66.7	U	
205-99-2-----	Benzo(b)fluoranthene	66.7	U	
207-08-9-----	Benzo(k)fluoranthene	66.7	U	
191-24-2-----	Benzo(g,h,i)perylene	66.7	U	
50-32-8-----	Benzo(a)pyrene	66.7	U	
218-01-9-----	Chrysene	66.7	U	
53-70-3-----	Dibenzo(a,h)anthracene	66.7	U	
206-44-0-----	Fluoranthene	66.7	U	
86-73-7-----	Fluorene	66.7	U	
193-39-5-----	Indeno(1,2,3-cd)pyrene	66.7	U	
91-57-6-----	2-Methylnaphthalene	66.7	U	
91-20-3-----	Naphthalene	66.7	U	
85-01-8-----	Phenanthrene	66.7	U	
129-00-0-----	Pyrene	66.7	U	

FORM I BNA-GCMS

000044

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781561

Lab Name: ETC, INC.

Lab Prep Batch: P04042

SDG No.: 9809-902

Matrix Spike - Sample No.: P04042BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1670		1360	81	34-126
Acenaphthylene	1670		1520	91	62-123
Anthracene	1670		1240	74	68-124
Benzo(a)Anthracene	1670		1420	85	60-133
Benzo(b)fluoranthene	1670		1290	77	67-126
Benzo(k)fluoranthene	1670		1440	86	75-131
Benzo(g,h,i)perylene	1670		1100	66	53-137
Benzo(a)pyrene	1670		1330	80	68-129
Chrysene	1670		1180	71	67-131
Dibenzo(a,h)anthracene	1670		1320	79	51-138
Fluoranthene	1670		1390	83	71-132
Fluorene	1670		1450	87	65-126
Indeno(1,2,3-cd)pyrene	1670		1270	76	34-170
Naphthalene	1670		1070	64	62-113
Phenanthrene	1670		1320	79	66-128
Pyrene	1670		1370	82	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 16 outside limits

COMMENTS:

3781562

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P04042

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1670	0.00	1300	78	34-126
Acenaphthylene	1670	0.00	1410	84	62-123
Anthracene	1670	41.5	1220	70	68-124
Benzo(a)Anthracene	1670	47.8	1350	78	60-133
Benzo(b)fluoranthene	1670	96.7	1260	70	67-126
Benzo(k)fluoranthene	1670	43.4	1410	82	75-131
Benzo(g,h,i)perylene	1670	31.9	1500	88	53-137
Benzo(a)pyrene	1670	0.00	1350	81	68-129
Chrysene	1670	86.2	1200	67	67-131
Dibenzo(a,h)anthracene	1670	0.00	1560	93	51-138
Fluoranthene	1670	126	1320	71	71-132
Fluorene	1670	0.00	1390	83	65-126
Indeno(1,2,3-cd)pyrene	1670	44.2	1640	96	34-170
Naphthalene	1670	0.00	1010	60*	62-113
Phenanthrene	1670	42.4	1330	77	66-128
Pyrene	1670	100	1260	69	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS:

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781563

Lab Name: ETC, INC.

Lab Prep Batch: P04042

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Acenaphthene	1630	1270	78	0	20	34-126
Acenaphthylene	1630	1380	85	1	20	62-123
Anthracene	1630	1220	72	3	20	68-124
Benzo(a)Anthracene	1630	1400	83	6	20	60-133
Benzo(b)fluoranthene	1630	1350	77	10	20	67-126
Benzo(k)fluoranthene	1630	1380	82	0	20	75-131
Benzo(g,h,i)perylene	1630	1590	96	9	20	53-137
Benzo(a)pyrene	1630	1340	82	1	20	68-129
Chrysene	1630	1210	69	3	20	67-131
Dibenzo(a,h)anthracene	1630	1720	106	13	20	51-138
Fluoranthene	1630	1280	71	0	20	71-132
Fluorene	1630	1370	84	1	20	65-126
Indeno(1,2,3-cd)pyrene	1630	1800	108	12	20	34-170
Naphthalene	1630	1050	64	6	20	62-113
Phenanthrene	1630	1310	78	1	20	66-128
Pyrene	1630	1210	68	1	20	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 16 outside limits

Spike Recovery: 1 out of 32 outside limits

COMMENTS:

3781564

FORM 2  
WATER BNA-GCMS SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P05050LB	69	78	71						0
02	9809-902-2	69	79	72						0
03	P05050BS	62	66	61						0
04	9809-902-2M	64	83	67						0
05	9809-902-2S	57	69	58						0
06										
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QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35- 85)  
 S2 (FBP) = 2-Fluorobiphenyl (46- 84)  
 S3 (TPH) = Terphenyl-d14 (33-113)

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

000048

3781565

FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

CLIENT SAMPLE NO

P05050LB

Lab Name: ETC, INC.

Lab Prep Batch: P05050

SDG No.: 9809-902

Lab File ID: 0301003

Instrument ID: BNA2

Matrix: (soil/water) WATER

Date Analyzed: 10/02/98

Level:(low/med) LOW

Time Analyzed: 1035

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	9809-902-2		0401004	10/02/98
02	P05050BS		0401004	10/04/98
03	9809-902-2M		0601006	10/02/98
04	9809-902-2S		0701007	10/02/98
05				
06				
07				
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COMMENTS:

000049

3781566

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: ETC, INC.

P05050LB

SDG No.: 9809-902

Matrix: (soil/water) WATER

Lab Prep Batch: P05050

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1(mL)

Date Analyzed: 10/02/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	2.0	U
208-96-8	Acenaphthylene	2.0	U
120-12-7	Anthracene	2.0	U
56-55-3	Benzo(a)Anthracene	2.0	U
205-99-2	Benzo(b)fluoranthene	2.0	U
207-08-9	Benzo(k)fluoranthene	2.0	U
191-24-2	Benzo(g,h,i)perylene	2.0	U
50-32-8	Benzo(a)pyrene	2.0	U
218-01-9	Chrysene	2.0	U
53-70-3	Dibenzo(a,h)anthracene	2.0	U
206-44-0	Fluoranthene	2.0	U
86-73-7	Fluorene	2.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U
91-20-3	Naphthalene	2.0	U
85-01-8	Phenanthrene	2.0	U
129-00-0	Pyrene	2.0	U

FORM I BNA-GCMS

000050

FORM 3  
WATER BNA-GCMS LABORATORY CONTROL SAMPLE

3781567

Lab Name: ETC, INC.

Lab Prep Batch: P05050

SDG No.: 9809-902

Matrix Spike - Sample No.: P05050LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	50.0		34.7	69	37-123
Acenaphthylene	50.0		37.6	75	67-118
Anthracene	50.0		34.7	69	68-124
Benzo(a)Anthracene	50.0		38.3	77	69-125
Benzo(b)fluoranthene	50.0		38.1	76	68-127
Benzo(k)fluoranthene	50.0		39.6	79	73-128
Benzo(g,h,i)perylene	50.0		34.7	69	53-138
Benzo(a)pyrene	50.0		36.6	73	73-125
Chrysene	50.0		36.8	74	70-124
Dibenzo(a,h)anthracene	50.0		34.4	69	57-136
Fluoranthene	50.0		34.7	69	55-135
Fluorene	50.0		37.5	75	66-121
Indeno(1,2,3-cd)pyrene	50.0		34.2	68	57-140
Naphthalene	50.0		29.8	60	55-113
Phenanthrene	50.0		33.7	67	65-126
Pyrene	50.0		34.9	70	40-149

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 16 outside limits

COMMENTS:

000051



3781568

FORM 3  
WATER BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P05050

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Acenaphthene	50.0		37.8	76	37-123
Acenaphthylene	50.0		41.5	83	67-118
Anthracene	50.0		33.7	67*	68-124
Benzo(a)Anthracene	50.0		38.9	78	69-125
Benzo(b)fluoranthene	50.0		42.3	85	68-127
Benzo(k)fluoranthene	50.0		45.9	92	73-128
Benzo(g,h,i)perylene	50.0		36.0	72	53-138
Benzo(a)pyrene	50.0		42.6	85	73-125
Chrysene	50.0		31.2	62*	70-124
Dibenzo(a,h)anthracene	50.0		34.0	68	57-136
Fluoranthene	50.0		36.0	72	55-135
Fluorene	50.0		40.0	80	66-121
Indeno(1,2,3-cd)pyrene	50.0		34.2	68	57-140
Naphthalene	50.0		30.1	60	55-113
Phenanthrene	50.0		32.8	66	65-126
Pyrene	50.0		35.1	70	40-149

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS:

000052

FORM 3  
WATER BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P05050

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-2

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	50.0	31.6	63	19	20	34-126
Acenaphthylene	50.0	35.6	71	16	20	62-123
Anthracene	50.0	29.6	59*	13	20	68-124
Benzo(a)Anthracene	50.0	32.7	65	18	20	60-133
Benzo(b)fluoranthene	50.0	35.4	71	18	20	67-126
Benzo(k)fluoranthene	50.0	40.2	80	14	20	75-131
Benzo(g,h,i)perylene	50.0	27.5	55	27*	20	53-137
Benzo(a)pyrene	50.0	36.0	72	16	20	68-129
Chrysene	50.0	26.2	52*	18	20	67-131
Dibenzo(a,h)anthracene	50.0	27.1	54	23*	20	51-138
Fluoranthene	50.0	31.4	63*	13	20	71-132
Fluorene	50.0	34.2	68	16	20	65-126
Indeno(1,2,3-cd)pyrene	50.0	26.1	52	27*	20	34-170
Naphthalene	50.0	26.6	53*	12	20	62-113
Phenanthrene	50.0	28.0	56*	16	20	66-128
Pyrene	50.0	29.8	60	15	20	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 3 out of 16 outside limits  
 Spike Recovery: 7 out of 32 outside limits

COMMENTS:

3781570

**Environmental Testing & Consulting, Inc.**

## **Quality Control Reports**

**GC Pesticides**

000054

3781571

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06022 P06022LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06022LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-902-01 RPD : All analytes within QC limits.\*  
RA-C-018 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries and RPDs for multiple analytes were flagged outside QC  
Limits in the Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06022LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6\*  
Calibration Verification : All criteria met. FORM 7\*\*  
Endrin/Breakdown : All criteria met. FORM 7  
\*

Initial Calibration(ICAL) : P110071A. (Primary)

Analyte	%RSD(Average >/=20)	Curve
delta-BHC	21.9	Average

High responses indicates that reported levels for this analyte may  
be biased high. Recovery for delta-BHC in P06022LCS were within QC  
Limits. The data was not affected.

000055

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781572

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

\*\*

Calibration Verification(CV) : P110061A.22R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	22.8	High
Endrin	23.2	Low
Endrin aldehyde	32.2	High
Endrin ketone	25.6	High
Methoxychlor	20.3	High

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P06022LB and Blank Spike P06022LCS were the only samples associated with this CV. Recoveries for all analytes in P06022LCS were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110061A.23R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	20.2	High
Endrin	25.6	Low
Endrin aldehyde	32.2	High
Endrin ketone	17.5	High
Heptachlor	15.9	High
Methoxychlor	20.0	High

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P06022LB and Blank Spike P06022LCS were the only samples associated with this CV. Recoveries for all analytes in P06022LCS were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110061B.22R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	16.0	Low
Endrin aldehyde	29.0	High
Heptachlor	17.5	High
Methoxychlor	29.5	High
Decachlorobiphenyl	17.5	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P06022LB and Blank Spike P06022LCS were the only samples associated with this CV. Recoveries for all analytes in P06022LCS were within QC Limits. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

000056

3781573

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3550B

## CALIBRATION

Calibration Verification(CV) : P110061B.23R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	25.0	Low
Endrin aldehyde	24.5	High
Methoxychlor	24.5	High
Decachlorobiphenyl	18.0	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P06022LB and Blank Spike P06022LCS were the only samples associated with this CV. Recoveries for all analytes in P06022LCS were within QC Limits. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110071B.32R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	25.5	Low
Endrin aldehyde	55.5	High
Endrin ketone	21.0	High
Decachlorobiphenyl	27.0	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Surrogate recoveries for all samples were within QC Limits. Recoveries for analytes were within QC Limits for P06022LCS. The data was not affected.

Calibration Verification(CV) : P110071B.33R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	32.5	Low
Endrin aldehyde	41.5	High
Endrin ketone	15.5	High
Decachlorobiphenyl	31.0	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Surrogate recoveries for all samples were within QC Limits. Recoveries for analytes were within QC Limits for P06022LCS. The data was not affected.

Calibration Verification(CV) : P110071A.32R (Primary)

Several analytes were flagged for high and low responses in this Calibration Verification. Results were reported from the confirmation analysis. The data was not affected.

000057

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3731574

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

Calibration Verification(CV) : P110071A.33R (Primary)

Several analytes were flagged for high and low responses in this Calibration Verification. Results were reported from the confirmation analysis. The data was not affected.

Calibration Verification(CV) : P110071A.34R (Primary)

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	18.0	Low

Low response for Decachlorobiphenyl indicates that reported level for this analyte may be biased low. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110071B.34R (Confirmation)

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	29.4	Low

Low response for Decachlorobiphenyl indicates that reported level for this analyte may be biased low. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.\*

\*  
Dilution of 1:10 was performed on sample 9809-902-01(RA-C-018) to bring the Target Analyte(s) within calibration range.

  
Laboratory Manager

000058

3781575

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - AQUEOUS

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3510C

**HOLDING TIMES**

Sample Extraction : All aqueous samples extracted within 7 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P07020 P07020LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recoveries for Decachlorobiphenyl were flagged as outside  
QC Limits in Method Blank P07020LB and Blank Spike P07020LCS.  
This sample was re-analyzed for verification with similar recoveries.  
Surrogate recoveries for Tetrachloro-m-xylene were within QC Limits.

Laboratory Control Sample FORM 3  
P07020LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-831-01 RPD : All analytes within QC limits.\*  
RA-C-018 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries and RPD for Endrin aldehyde were flagged outside QC  
Limits in the Matrix Spike and Matrix Spike Duplicate.

Recovery for Endrin Ketone was flagged for high recovery in the  
Matrix Spike. Matrix Spike Duplicate recovery was within QC Limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P07020LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6\*  
Calibration Verification : All criteria met. FORM 7\*\*  
Endrin/Breakdown : All criteria met. FORM 7  
\*

Initial Calibration(ICAL) : P110071A. (Primary)

Analyte	%RSD(Average >=20)	Curve
delta-BHC	21.9	Average

High responses indicates that reported levels for this analyte may  
be biased high. Recovery for delta-BHC in P06022LCS were within QC  
Limits. The data was not affected.

000059



ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - AQUEOUS

3781576

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3510C

**CALIBRATION**

\*\*

Calibration Verification(CV) : P110061A.22R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	22.8	High
Endrin	23.2	Low
Endrin aldehyde	32.2	High
Endrin ketone	25.6	High
Methoxychlor	20.3	High

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P07020LB and Blank Spike P07020LCS were the only samples associated with this CV. Recoveries for all analytes in P07020LCS were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110061A.23R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	20.2	High
Endrin	25.6	Low
Endrin aldehyde	32.2	High
Endrin ketone	17.5	High
Heptachlor	15.9	High
Methoxychlor	20.0	High

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P07020LB and Blank Spike P07020LCS were the only samples associated with this CV. Recoveries for all analytes in P07020LCS were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110061B.22R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	16.0	Low
Endrin aldehyde	29.0	High
Heptachlor	17.5	High
Methoxychlor	29.5	High
Decachlorobiphenyl	17.5	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P07020LB and Blank Spike P07020LCS were the only samples associated with this CV. Recoveries for all analytes in P07020LCS were within QC Limits. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

000060

3781577

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - AQUEOUS

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3510C

**CALIBRATION**Calibration Verification(CV) : P110061B.23R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	25.0	Low
Endrin aldehyde	24.5	High
Methoxychlor	24.5	High
Decachlorobiphenyl	18.0	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Method Blank P07020LB and Blank Spike P07020LCS were the only samples associated with this CV. Recoveries for all analytes in P07020LCS were within QC Limits. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110071B.32R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	25.5	Low
Endrin aldehyde	55.5	High
Endrin ketone	21.0	High
Decachlorobiphenyl	27.0	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Surrogate recoveries for all samples were within QC Limits. Recoveries for analytes were within QC Limits for P07020LCS. The data was not affected.

Calibration Verification(CV) : P110071B.33R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	32.5	Low
Endrin aldehyde	41.5	High
Endrin ketone	15.5	High
Decachlorobiphenyl	31.0	Low

Low response for Decachlorobiphenyl and Endrin indicate that reported level for these analytes may be biased low. High responses indicates that reported levels for these analytes may be biased high. Surrogate recoveries for all samples were within QC Limits. Recoveries for analytes were within QC Limits for P07020LCS. The data was not affected.

Calibration Verification(CV) : P110071A.32R (Primary)

Several analytes were flagged for high and low responses in this Calibration Verification. Results were reported from the confirmation analysis. The data was not affected.

000061

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - AQUEOUS

3781578

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8081A/3510C

**CALIBRATION**

Calibration Verification(CV) : P110071A.33R (Primary)

Several analytes were flagged for high and low responses in this Calibration Verification. Results were reported from the confirmation analysis. The data was not affected.

Calibration Verification(CV) : P110071A.34R (Primary)

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	18.0	Low

Low response for Decachlorobiphenyl indicates that reported level for this analyte may be biased low. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

Calibration Verification(CV) : P110071B.34R (Confirmation)

Analyte	%Diff(15% Max)	Response
Decachlorobiphenyl	29.4	Low

Low response for Decachlorobiphenyl indicates that reported level for this analyte may be biased low. Surrogate recoveries for all samples were within QC Limits. The data was not affected.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000062

3781579

FORM 2  
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

Level: (low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06022LB	61	88							0
02	P06022LCS	74	102							0
03	9809-902-1	96	91							0
04	9809-902-1	88	66							0
05	9809-902-1MS	91	81							0
06	9809-902-1MS	86	68							0
07										0
08										
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30										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)

S2 (DBC) = Decachlorobiphenyl (64-154)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

000063

FORM 4  
PESTICIDE METHOD BLANK SUMMARY 3781580

EPA GC SAMPLE NO.

P06022LB

Lab Name: ETC, INC.

Lab Prep Batch: P06022

SDG No.: 9809-902

Lab File ID: P110071B-12R

Instrument ID: PEST1B

Matrix: (soil/water) SOIL

Date Analyzed: 10/07/98

Level:(low/med) LOW

Time Analyzed: 1819

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06022LCS		P110061A-18R	10/07/98
02	9809-902-1		P110071B-18R	10/07/98
03	9809-902-1		P110071B-19R	10/07/98
04	9809-902-1MS		P110071B-30R	10/08/98
05	9809-902-1MS		P110071B-31R	10/08/98
06				
07				
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COMMENTS:

3781581

FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

P06022LB

Lab Name: ETC, INC.

SDG No.: 9809-902

Matrix: (soil/water) SOIL

Lab Prep Batch: P06022

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P110071B-12R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10 (mL)

Date Analyzed: 10/07/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
309-00-2-----	Aldrin	1.33	U	
319-84-6-----	alpha-BHC	1.33	U	
319-85-7-----	beta-BHC	1.33	U	
319-86-8-----	delta-BHC	1.33	U	
58-89-9-----	gamma-BHC	1.33	U	
5103-71-9-----	alpha-chlordane	1.33	U	
5103-74-2-----	gamma-chlordane	1.33	U	
72-54-8-----	4,4'-DDD	1.33	U	
72-55-9-----	4,4'-DDE	1.33	U	
50-29-3-----	4,4'-DDT	1.33	U	
60-57-1-----	Dieldrin	1.33	U	
959-98-8-----	Endosulfan I	1.33	U	
33213-65-9-----	Endosulfan II	1.33	U	
1031-07-8-----	Endosulfan sulfate	1.33	U	
72-20-8-----	Endrin	1.33	U	
7421-93-4-----	Endrin aldehyde	1.33	U	
53494-70-5-----	Endrin ketone	1.33	U	
76-44-8-----	Heptachlor	1.33	U	
1024-57-3-----	Heptachlor epoxide	1.33	U	
72-43-5-----	Methoxychlor	1.33	U	

FORM I PESTICIDE

000065

FORM 3  
SOIL PESTICIDE LABORATORY CONTROL SAMPLE

3781582

Lab Name: ETC, INC.

Lab Prep Batch: P06022

SDG No.: 9809-902

Matrix Spike - Sample No.: P06022LCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	33.33333		25.85689	78	31-111
alpha-BHC	33.33333		25.68572	77	22-112
beta-BHC	33.33333		28.20837	85	54-120
delta-BHC	33.33333		25.20782	76	10- 96
gamma-BHC (Lindane)	33.33333		27.23563	82	26-113
alpha-chlordane	33.33333		27.71530	83	49-103
gamma-chlordane	33.33333		28.57367	86	50-106
4,4'-DDD	33.33333		28.01897	84	47-112
4,4'-DDE	33.33333		27.38465	82	36-117
4,4'-DDT	33.33333		36.01225	108	49-124
Dieldrin	33.33333		27.57670	83	44-108
Endosulfan I	33.33333		28.95644	87	49-103
Endosulfan II	33.33333		31.64190	95	53-115
Endosulfan sulfate	33.33333		33.15809	99	51-110
Endrin	33.33333		21.65939	65	44-118
Endrin aldehyde	33.33333		35.76248	107	48-128
Endrin Ketone	33.33333		33.65884	101	38-130
Heptachlor	33.33333		29.57772	89	47-113
Heptachlor epoxide	33.33333		27.57956	83	47-112
Methoxychlor	33.33333		38.37436	115	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3781583

FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06022

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	33.00	5.75	26.38	62	31-111
alpha-BHC	33.00	0.000	26.15	79	22-112
beta-BHC	33.00	4.02	68.11	194*	54-120
delta-BHC	33.00	9.83	29.01	58	10- 96
gamma-BHC	33.00	6.31	27.92	65	26-113
alpha-chlordane	33.00	33.25	69.04	108*	49-103
gamma-chlordane	33.00	23.23	58.52	107*	50-106
4,4'-DDD	33.00	26.56	305.4	845*	47-112
4,4'-DDE	33.00	56.22	81.23	76	36-117
4,4'-DDT	33.00	83.92	128.6	135*	49-124
Dieldrin	33.00	158.2	196.9	117*	44-108
Endosulfan I	33.00	0.000	30.98	94	49-103
Endosulfan II	33.00	4.91	33.59	87	53-115
Endosulfan sulfate	33.00	7.80	34.08	80	51-110
Endrin	33.00	0.000	21.27	64	44-118
Endrin aldehyde	33.00	0.000	40.14	122	48-128
Endrin ketone	33.00	0.000	37.55	114	38-130
Heptachlor	33.00	5.06	33.64	87	47-113
Heptachlor epoxide	33.00	6.01	31.34	77	47-112
Methoxychlor	33.00	4.23	36.42	98	39-147

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:



FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06022

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	33.33	25.44	59	5	20	31-111
alpha-BHC	33.33	25.03	75	5	20	22-112
beta-BHC	33.33	29.87	78	85*	20	54-120
delta-BHC	33.33	27.86	54	7	20	10- 96
gamma-BHC	33.33	26.44	60	8	20	26-113
alpha-chlordane	33.33	139.9	320*	99*	20	49-103
gamma-chlordane	33.33	128.4	316*	99*	20	50-106
4,4'-DDD	33.33	26.66	0*	200*	20	47-112
4,4'-DDE	33.33	92.89	110	36*	20	36-117
4,4'-DDT	33.33	141.6	173*	25*	20	49-124
Dieldrin	33.33	212.2	162*	32*	20	44-108
Endosulfan I	33.33	29.80	89	5	20	49-103
Endosulfan II	33.33	31.96	81	7	20	53-115
Endosulfan sulfate	33.33	32.72	75	6	20	51-110
Endrin	33.33	24.80	74	14	20	44-118
Endrin aldehyde	33.33	47.26	142*	15	20	48-128
Endrin ketone	33.33	34.77	104	9	20	38-130
Heptachlor	33.33	33.96	87	0	20	47-113
Heptachlor epoxide	33.33	38.93	99	25*	20	47-112
Methoxychlor	33.33	33.85	89	10	20	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 8 out of 20 outside limits

Spike Recovery: 12 out of 40 outside limits

COMMENTS:

3781585

FORM 2  
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P07020LB	76	30*							1
02	P07020LCS	74	24*							1
03	P07020LB	69	29*							1
04	P07020LCS	84	23*							1
05	9809-902-2	88	62							0
06	9809-831-1	93	69							0
07	9809-831-1MS	88	80							0
08	9809-831-1MS	80	71							0
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QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (31- 96)

S2 (DBC) = Decachlorobiphenyl (34-115)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

300069

FORM 4  
PESTICIDE METHOD BLANK SUMMARY

3781586  
EPA GC SAMPLE NO.

P07020LB

Lab Name: ETC, INC.

Lab Prep Batch: P07020

Lab File ID: P110071B-13R

Matrix: (soil/water) WATER

Level:(low/med) LOW

SDG No.: 9809-902

Instrument ID: PEST1B

Date Analyzed: 10/07/98

Time Analyzed: 1855

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P07020LCS		P110061A-16R	10/07/98
02	P07020LCS		P110071B-15R	10/07/98
03	9809-902-2		P110071B-20R	10/07/98
04	9809-831-1		P110071B-25R	10/08/98
05	9809-831-1MS		P110071B-28R	10/08/98
06	9809-831-1MS		P110071B-29R	10/08/98
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COMMENTS:

3781587

FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

P07020LB

Lab Name: ETC, INC.

SDG No.: 9809-902

Matrix: (soil/water) WATER

Lab Prep Batch: P07020

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: P110071B-13R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10 (mL)

Date Analyzed: 10/07/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2-----	Aldrin	0.0400	U
319-84-6-----	alpha-BHC	0.0400	U
319-85-7-----	beta-BHC	0.0400	U
319-86-8-----	delta-BHC	0.0400	U
58-89-9-----	gamma-BHC	0.0400	U
5103-71-9-----	alpha-chlordane	0.0400	U
5103-74-2-----	gamma-chlordane	0.0400	U
72-54-8-----	4,4'-DDD	0.0400	U
72-55-9-----	4,4'-DDE	0.0400	U
50-29-3-----	4,4'-DDT	0.0400	U
60-57-1-----	Dieldrin	0.0400	U
959-98-8-----	Endosulfan I	0.0400	U
33213-65-9-----	Endosulfan II	0.0400	U
1031-07-8-----	Endosulfan sulfate	0.0400	U
72-20-8-----	Endrin	0.0400	U
7421-93-4-----	Endrin aldehyde	0.0400	U
53494-70-5-----	Endrin ketone	0.0400	U
76-44-8-----	Heptachlor	0.0400	U
1024-57-3-----	Heptachlor epoxide	0.0400	U
72-43-5-----	Methoxychlor	0.0400	U

FORM I PESTICIDE

000071

FORM 3  
WATER PESTICIDE LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P07020

SDG No.: 9809-902

Matrix Spike - Sample No.: P07020LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aldrin	1.00		0.784	78	34-105
alpha-BHC	1.00		0.825	82	41-102
beta-BHC	1.00		0.922	92	26-151
delta-BHC	1.00		0.782	78	21- 92
gamma-BHC	1.00		0.838	84	41-102
alpha-chlordane	1.00		0.886	89	48-117
gamma-chlordane	1.00		0.892	89	50-108
4,4'-DDD	1.00		0.878	88	39-124
4,4'-DDE	1.00		0.825	82	41-111
4,4'-DDT	1.00		0.953	95	39-123
Dieldrin	1.00		0.863	86	42-111
Endosulfan I	1.00		0.873	87	48-117
Endosulfan II	1.00		0.864	86	52-114
Endosulfan sulfate	1.00		0.888	89	46-111
Endrin	1.00		0.762	76	45-117
Endrin aldehyde	1.00		1.08	108	48-125
Endrin ketone	1.00		1.02	102	51-112
Heptachlor	1.00		0.836	84	43-114
Heptachlor epoxide	1.00		0.886	89	42-115
Methoxychlor	1.00		0.969	97	39-140

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 0 out of 0 outside limits  
 Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3781589

FORM 3  
WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P07020

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-831-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Aldrin	1.00	0.000	0.782	78	34-105
alpha-BHC	1.00	0.000	0.777	78	41-102
beta-BHC	1.00	0.000	0.931	93	26-151
delta-BHC	1.00	0.000	0.844	84	21- 92
gamma-BHC	1.00	0.000	0.807	81	41-102
alpha-chlordane	1.00	0.0140	0.911	90	48-117
gamma-chlordane	1.00	0.0829	0.931	85	50-108
4,4'-DDD	1.00	0.0153	0.977	96	39-124
4,4'-DDE	1.00	0.000	0.858	86	41-111
4,4'-DDT	1.00	0.0250	1.02	100	39-123
Dieldrin	1.00	0.000	0.893	89	42-111
Endosulfan I	1.00	0.000	0.944	94	48-117
Endosulfan II	1.00	0.000	1.03	103	52-114
Endosulfan sulfate	1.00	0.000	1.04	104	46-111
Endrin	1.00	0.000	0.738	74	45-117
Endrin aldehyde	1.00	0.000	1.46	146*	48-125
Endrin ketone	1.00	0.000	1.18	118*	51-112
Heptachlor	1.00	0.0112	0.878	87	43-114
Heptachlor epoxide	1.00	0.0122	0.882	87	42-115
Methoxychlor	1.00	0.000	1.10	110	39-140

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

300073

FORM 3  
WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P07020

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-831-1

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	1.00	0.707	71	9	20	34-105
alpha-BHC	1.00	0.711	71	9	20	41-102
beta-BHC	1.00	0.849	85	9	20	26-151
delta-BHC	1.00	0.794	79	6	20	21- 92
gamma-BHC	1.00	0.738	74	9	20	41-102
alpha-chlordane	1.00	0.816	80	12	20	48-117
gamma-chlordane	1.00	0.841	76	11	20	50-108
4,4'-DDD	1.00	0.864	85	12	20	39-124
4,4'-DDE	1.00	0.764	76	12	20	41-111
4,4'-DDT	1.00	0.919	89	12	20	39-123
Dieldrin	1.00	0.816	82	8	20	42-111
Endosulfan I	1.00	0.852	85	10	20	48-117
Endosulfan II	1.00	0.939	94	9	20	52-114
Endosulfan sulfate	1.00	0.959	96	8	20	46-111
Endrin	1.00	0.683	68	8	20	45-117
Endrin aldehyde	1.00	0.278	28*	136*	20	48-125
Endrin ketone	1.00	1.08	108	9	20	51-112
Heptachlor	1.00	0.790	78	11	20	43-114
Heptachlor epoxide	1.00	0.798	78	11	20	42-115
Methoxychlor	1.00	1.01	101	8	20	39-140

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 1 out of 20 outside limits

Spike Recovery: 3 out of 40 outside limits

COMMENTS: \_\_\_\_\_

3781591

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC PCBs**

000075



ENVIRONMENTAL TESTING AND CONSULTING, INC. 3781592  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBs - SOIL

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8082/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06022 P06022LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06022LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-902-01 RPD : All analytes within QC limits.  
RA-C-018 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Aroclor 1260 were flagged outside QC Limits in the  
Matrix Spike and Matrix Spike Duplicate.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06022LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000076

3781593

FORM 2  
SOIL PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

Level:(low/med) LOW

	EPA GC SAMPLE NO.	SMC1 (TMX) #	SMC2 (DBC) #	SMC3 #	OTHER	TOT OUT
01	P06022LB	53	92			0
02	P06022LCS	64	86			0
03	9809-902-1	73	93			0
04	9809-902-1MS	71	84			0
05	9809-902-1MS	59	93			0
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QC LIMITS

SMC1 (TMX) = Tetrachloro-m-xylene (39-130)

SMC2 (DBC) = Decachlorobiphenyl (64-154)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

300077

FORM 4  
PCB METHOD BLANK SUMMARY

3781594

EPA GC SAMPLE NO.

P06022LB

Lab Name: ETC, INC.

Lab Prep Batch: P06022

Lab File ID: C210011A-12R

Date Analyzed: 10/02/98

GC Column: DB-608 ID: 0.53 (mm)

Instrument ID: PEST2A

SDG No.: 9809-902

Lab Prep Batch: P06022

Time Analyzed: 0035

Heated Purge: (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	P06022LCS		C210011A-14R	0154
02	9809-902-1		C210011A-19R	0510
03	9809-902-1MS		C210011A-20R	0549
04	9809-902-1MS		C210011A-21R	0628
05				
06				
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COMMENTS:

3781595

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

Lab Name: ETC, INC.

P06022LB

SDG No.: 9809-902

Matrix: (soil/water) SOIL

Lab Prep Batch: P06022

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C210011A-12R

Level: (low/med) LOW

Date Analyzed: 10/02/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
12674-11-2-----	Aroclor 1016	16.67	U
11104-28-2-----	Aroclor 1221	16.67	U
11141-16-5-----	Aroclor 1232	16.67	U
53469-21-9-----	Aroclor 1242	16.67	U
11097-69-1-----	Aroclor 1254	16.67	U
11096-82-5-----	Aroclor 1260	16.67	U
12672-29-6-----	Aroclor 1248	16.67	U

FORM I PCB

000079

FORM 3  
SOIL PCB LABORATORY CONTROL SAMPLE

3781596

Lab Name: ETC, INC.

Lab Prep Batch: P06022

SDG No.: 9809-902

Matrix Spike - Sample No.: P06022LCS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor 1242	333.3		249.6	75	25-125
Aroclor 1260	333.3		266.0	80	25-125

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PCB

000080

3781597

FORM 3

## SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06022

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-902-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor 1242	332.2	0.000	301.2	91	25-125
Aroclor 1260	332.2	0.000	447.7	135*	25-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor 1242	332.2	288.7	87	4	20	25-125
Aroclor 1260	332.2	463.7	140*	4	20	25-125

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 2 out of 4 outside limits

COMMENTS:

FORM III PCB

300081

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBs - AQUEOUS

3781598

Client Name : OHM Remediation Services Corp.  
Project Name : Defense Depot Memphis TN  
ETC Order # : 9809-902  
Method (SW-846) : 8082/3510C

**HOLDING TIMES**

Sample Extraction : All aqueous samples extracted within 7 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P07020 P07020LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recovery for Decachlorobiphenyl was flagged as outside QC  
Limits in Method Blank P07020LB. Surrogate recovery for  
Tetrachloro-m-xylene was within QC Limits.

Laboratory Control Sample FORM 3  
P07020LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9809-831-01 RPD : All analytes within QC limits.  
Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P07020LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000082

3781599

FORM 2  
WATER PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9809-902

	EPA GC SAMPLE NO.	SMC1 (TMX) #	SMC2 (DBC) #	SMC3 #	OTHER	TOT OUT
01	P07020LB	66	32D			0
02	P07020LCS	66	54			0
03	9809-831-1	80	83			0
04	9809-902-2	72	64			0
05	9809-831-1MS	70	84			0
06	9809-831-1MS	74	81			0
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QC LIMITS

SMC1 (TMX) = Tetrachloro-m-xylene (31- 96)

SMC2 (DBC) = Decachlorobiphenyl (34-115)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000083



FORM 4  
PCB METHOD BLANK SUMMARY

3781600

EPA GC SAMPLE NO.

P07020LB

Lab Name: ETC, INC.

Lab Prep Batch: P07020

Lab File ID: C210011A-13R

Date Analyzed: 10/02/98

GC Column: DB-608 ID: 0.53 (mm)

Instrument ID: PEST2A

SDG No.: 9809-902

Lab Prep Batch: P07020

Time Analyzed: 0114

Heated Purge: (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	P07020LCS		C210011A-15R	0233
02	9809-831-1		C210011A-24R	0826
03	9809-902-2		C210011A-27R	1024
04	9809-831-1MS		C210011A-31R	1301
05	9809-831-1MS		C210011A-34R	1459
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COMMENTS:

3781601

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

Lab Name: ETC, INC.

P07020LB

SDG No.: 9809-902

Matrix: (soil/water) WATER

Lab Prep Batch: P07020

Sample wt/vol: \_\_\_\_\_ (g/mL) ML

Lab File ID: C210011A-13R

Level: (low/med) LOW

Date Analyzed: 10/02/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
12674-11-2-----	Aroclor 1016	0.500	U	
11104-28-2-----	Aroclor 1221	0.500	U	
11141-16-5-----	Aroclor 1232	0.500	U	
53469-21-9-----	Aroclor 1242	0.500	U	
11097-69-1-----	Aroclor 1254	0.500	U	
11096-82-5-----	Aroclor 1260	0.500	U	
12672-29-6-----	Aroclor 1248	0.500	U	

FORM I PCB

000085

FORM 3  
WATER PCB LABORATORY CONTROL SAMPLE

3781602

Lab Name: ETC, INC.

Lab Prep Batch: P07020

SDG No.: 9809-902

Matrix Spike - Sample No.: P07020LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aroclor 1242	10.00		8.43	84	25-125
Aroclor 1260	10.00		8.89	89	25-125

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PCB

000086

3781603

FORM 3  
WATER PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P07020

SDG No.: 9809-902

Matrix Spike - Sample No.: 9809-831-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Aroclor 1242	10.00	0.000	8.77	88	25-125
Aroclor 1260	10.00	0.000	8.49	85	25-125

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor 1242	10.00	8.27	83	6	20	25-125
Aroclor 1260	10.00	8.98	90	6	20	25-125

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III PCB

000087

3781604

**IMPORTED CLEAN BACKFILL (TOP SOIL)**  
**CONFIRMATION SAMPLE**  
*Date Collected 10/01/98*

**RA-TS-007**

3781605



ENVIRONMENTAL TESTING & CONSULTING, INC.

2024 Walnut Grove Road • Memphis, TN 38111 • (901) 327-2750 • FAX (901) 327-6334

*Founded 1972*

October 5, 1998

Ms. Elena Rodriguez  
OHM Remediation Services  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Ref: Analytical Testing  
ETC Order # 9810042  
Project Description DDMT

Project # 20560 Defense Depot - Memphis, TN

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. Pera', with a long horizontal flourish extending to the right.

Nathan A. Pera, IV  
Chief Executive Officer

rt  
Attachment

OHM\_DDMT

3781606

# Chemical Analytical Data Review/Evaluation/Validation

SOUTHERN REGION

Report Type: ☐ Preliminary ☒ Final Date Received: \_\_\_\_\_ Project Number: 20564  
 Project Name: DDMT Analysis/Method: TCL VOA, BNA, Pest/PCB  
TAL metals, PH, org matter  
 Laboratory: specialized Assay Lab Project/Case Number: 9810042  
 Sample Number(s): RA-TS-007

Evaluated By: SPasaujape Date Evaluated: 2/1/99  
 Data Package Deliverables Requirement: ☐ OHM Minimum ☒ OHM Standard ☐ OHM Maximum  
☐ Other, please describe \_\_\_\_\_

Quality Control Deliverables	Required	Received	Passed	Failed
PQL, MDL, RL, etc meets DQOs	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment:				
Holding Times				
Comment:				
Sample Condition (preservatives, containers, temperature, etc) / Case Narrative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comment:				
Surrogate Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comment:				
Lab Control Sample Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comment:				
Lab Control Sample Duplicate or Other Spike Recoveries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comment:				
Lab Control Sample Duplicate or Other Laboratory Duplicate RPD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Comment:				
Matrix Spike Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: out for metals. LCS OK data accepted				
Matrix Spike Duplicate Recoveries	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: out for metals LCS OK data accepted				
Matrix Spike / Matrix Spike Duplicate RPD	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Comment: out for metals - LCS recoveries OK. Data accepted.				
Laboratory Blanks (daily, method, instrument)	<input checked="" type="checkbox"/>			
Comment: Cu, Fe detected. sample results 10x blank conc. data OK				
Field Blanks (trip, eqpt rinsate, ambient, matrix)	<input checked="" type="checkbox"/>			
Comment: N/A				

3781607

Quality Control Deliverables		Required	Received	Passed	Failed
Field Duplicates RPD		X			
Comment:	N/A				
Second Source Check					
Comment:					
Second Column Confirmation			✓	✓	
Comment:					
Percent Moisture/Solids				✓	
Comment:					
Initial / Continuing Calibrations		✓	—	—	
Comment:					
Internal Standard Areas and Retention Times (Organics Only)		✓	✓	✓	
Comment:					
Chromatograms		—	✓	—	
Comment:					
Sample Prep Worksheets					
Comment:	N/A				
Raw Data Calculations					
Comment:					
Laboratory Duplicates					
Comment:					
Instrument Performance Checks (Organics Only)		✓	✓	✓	
Comment:					
Tentatively Identified Compounds (TICs)		✓	✓	✓	
Comment:					
Completeness	# Samples	# Analyses	Tot # Analyses	Tot # Accept Analyses	% Complete
Completeness = (Tot # Analyses / Tot # Accepted Analyses) x 100	1	7	7	7	100
General Comments:					

Summary: ☐ See attached pages

Check Applicable:

- ☐ Lab contacted—Corrective actions in process      Date Contacted: \_\_\_\_\_
- ☐ Corrective actions received and accepted      Date Received/Accepted: \_\_\_\_\_
- ☒ The data, as reported by the laboratory, are acceptable.
- ☐ The data, with qualifiers as described in the "Summary" portion of this report, are acceptable.
- ☐ The data are unacceptable.
- ☐ Other \_\_\_\_\_

*S. Pasanyape*  
Evaluator's Signature

2/11/99  
Date



**Environmental Testing & Consulting, Inc.**  
**Data Qualifiers for Organic Reporting**

Within the attached report, some analytical data may be reported as "Qualified Data" as indicated by a "Data Qualifier" next to the result. This table summarizes the possible "Data Qualifiers" that may be associated with this report.

<b>Q</b>	Surrogate Recovery Outside QC Limits
<b>J</b>	Estimated Value. Presence of the compound was confirmed but less than the reported detection limit.
<b>E</b>	Concentration exceeds the established method calibration range but is within the working range of the instrument.
<b>B</b>	Analyte detected in the associated Method Blank.
<b>U</b>	Reported result was unconfirmed. Refer to Case Narrative.
<b>N</b>	Non-Compliance Report associated with this sample or project.
<b>C</b>	Result reported from GC/MS confirmation analysis.
<b>NC</b>	Result reported from Primary Column. Result did not confirm.
<b>*</b>	QC Data (percent recovery/RPD for a particular analyte was outside QC Limits)

3781609

Environmental Testing & Consulting, Inc.

**Login**  
**Chain-of-Custody**

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3781610



**OHM Remediation Services Corp**  
 Subsidiary of OHM Corporation  
 U/S Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

# CHAIN-OF-CUSTODY RECORD

218026

LABORATORY COPY  
 FORM 0019 REV 2-97

OHM LAB COORDINATOR <b>Elena Rodriguez</b>		LAB COORDINATOR'S PHONE 770-734-8060		LAB COORDINATOR'S FAX 770-453-7716		LABORATORY SERVICE ID ETC		LABORATORY CONTACT Nathan Pera		MAIL REPORT (COMPANY NAME) OHM Remediation Services Corp	
PROJECT NAME <b>DDMT</b>		PROJECT LOCATION Memphis TN		PROJECT NUMBER 20560		LABORATORY PHONE 901-327-2750		LABORATORY FAX 901-327-6334		RECIPIENT NAME Elena Rodriguez	
PROJECT CONTACT <b>Steve Offner</b>		PROJECT PHONE NUMBER 901-743-1117		PROJECT FAX 901-743-1048		LABORATORY ADDRESS 2924 Walnut Grove Road		ADDRESS 5445 Triangle Pkwy, #400		CITY STATE AND ZIP CODE Memphis, TN 38111	
PROJECT ADDRESS 1708 Dunn Ave.		CITY STATE AND ZIP CODE Memphis, TN 38114		CLIENT USACE		CITY STATE AND ZIP CODE Memphis, TN 38111		CITY STATE AND ZIP CODE Morcross, GA 30092			
PROJECT MANAGER Steve Offner		PROJECT MANAGER'S FAX 770-326-2571		PROJECT MANAGER'S FAX 770-453-7716							
Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	TAT	Comments		
1	RA-73-008	Soil	6/1/97	1330	4:15	4:15	OHM	7/1/97	Please fax results on DUE DATE to SITE and to Lab Coordinator		
2											
3											
4											
5											
6											
7											
8											
9											
10											
SAMPLES COLLECTED BY <b>Steve Offner</b>		COOLING AND AIR BUILT IN WORK		OIL/RED IN PERSAN		DATE 6/1/97		TIME 1330		COOLING TEMPERATURE UPON RECEIPT	
RELINQUISHED BY <b>Steve Offner</b>		RECEIVED BY <b>Steve Offner</b>		DATE 6/1/97		TIME 1330		SAMPLE'S CONDITION UPON RECEIPT			
Distribution White - Laboratory (To be returned with Analytical Report) Goldenrod - Project File, Yellow - Project Data Manager											

3781611

## COOLER RECEIPT FORM

Cooler Receipt Form  
9810042 CRF p 1

LIMS # 9810-042 Number of Coolers 1  
Date Received 10/1/98  
PROJECT DDMT/Memphis, TN VDTSR 10/1/98 15 55

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

A PRELIMINARY EXAMINATION PHASE Date cooler was opened 10/1/98  
by (print) Lynette Bugg (sign) Lynette Bugg

1 Did cooler come with a shipping slip (airbill, etc)? NO  
If YES, enter carrier name & airbill number \_\_\_\_\_

2a Were custody seals on outside of cooler? NO  
2b Were custody seals on sample containers? NO

3 Were custody seals unbroken and intact at the date and time of arrival? NA

4 Did you screen samples for radioactivity using a Geiger Counter? NO

5 Were custody papers sealed in a plastic bag & taped inside to the lid? NO

6 Were custody papers filled out properly (ink, signed, etc)? YES

7 Did you sign custody papers in the appropriate place? YES

8 Was project identifiable from custody papers? If YES, enter project name at top of this form YES

9 If required, was enough ice used? cooler temp <4°C, Type of ice Crushed YES

10 Have designated person initial here to acknowledge receipt of cooler LB date 10/1/98

B LOG-IN PHASE Date samples were logged-in 10/1/98  
by (print) Lynette Bugg (sign) Lynette Bugg

11 Describe type of packing in cooler Bubble Wrap and Ice

12 Were all bottles sealed in separate plastic bags? NO

13 Did all bottles arrive unbroken and were labels in good condition? YES

14 Were all bottle labels complete (ID, date, time, signature, preserved, etc)? YES

15 Did all bottle labels agree with custody papers? YES

16 Were correct containers used for the tests indicated? YES

17 Were correct preservatives added to samples? YES

18 Was a sufficient amount of sample sent for tests indicated? YES

19 Were bubbles absent in VOA samples? If NO, list by sample# \_\_\_\_\_ NA

20 Was the project manager called and status discussed? If YES, give details on the back of this form NO

21 Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_\_

VDTSR - Validated Date/Time of Sample Receipt (Date sample is logged into LIMS system)

000004

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ANALYTICAL SUMMARY TABLE**

3781612

Client Name OHM Remediation Services  
Site ID DDMT  
Memphis, TN

<u>ETC</u>				
<u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>
981004201	RA-TS-007	SOIL	6010B	Silver
981004201	RA-TS-007	SOIL	6010B	Aluminum
981004201	RA-TS-007	SOIL	7060A	Arsenic
981004201	RA-TS-007	SOIL	8270C	GC/MS Base/Neutral & Acid
981004201	RA-TS-007	SOIL	6010B	Barium
981004201	RA-TS-007	SOIL	6010B	Beryllium
981004201	RA-TS-007	SOIL	6010B	Calcium
981004201	RA-TS-007	SOIL	6010B	Cadmium
981004201	RA-TS-007	SOIL	9010A	Cyanide
981004201	RA-TS-007	SOIL	6010B	Cobalt
981004201	RA-TS-007	SOIL	6010B	Chromium
981004201	RA-TS-007	SOIL	6010B	Copper
981004201	RA-TS-007	SOIL		EnCore Sampler (5 gram)
981004201	RA-TS-007	SOIL	6010B	Iron
981004201	RA-TS-007	SOIL	7471A	Mercury
981004201	RA-TS-007	SOIL	6010B	Potassium
981004201	RA-TS-007	SOIL	6010B	Magnesium
981004201	RA-TS-007	SOIL	6010B	Manganese
981004201	RA-TS-007	SOIL	6010B	Sodium
981004201	RA-TS-007	SOIL	6010B	Nickel
981004201	RA-TS-007	SOIL	D2974-87	Fractional Organic Matter
981004201	RA-TS-007	SOIL	8081A	Organochlorine Pesticides
981004201	RA-TS-007	SOIL	7421	Lead
981004201	RA-TS-007	SOIL	8082	PCBs
981004201	RA-TS-007	SOIL	9045C	pH - Corrosivity
981004201	RA-TS-007	SOIL	6010B	Antimony
981004201	RA-TS-007	SOIL	7740	Selenium
981004201	RA-TS-007	SOIL	7841	Thallium
981004201	RA-TS-007	SOIL	8260B	GC/MS Volatile Organics
981004201	RA-TS-007	SOIL	6010B	Vanadium
981004201	RA-TS-007	SOIL	6010B	Zinc

3781613

**Environmental Testing & Consulting, Inc.**

## **Sample Reports**

000006

ENVIRONMENTAL TESTING & CONSULTING, INC.  
Memphis, TN  
INORGANIC ANALYSIS DATA SHEET  
PERCENT SOLIDS

3781614

Client Name :OHM Remediation Services  
Project Name :DDMT  
Memphis, TN

Matrix: :SOIL

Date Sample Received :10/01/98

Contract Laboratory Order Number :9810-042

<u>Contract Lab</u> <u>Sample No</u>	<u>Client Sample</u> <u>ID</u>	<u>Date</u> <u>Sampled</u>	<u>Result</u> <u>Units :(% )</u>	<u>Date</u> <u>Analyzed</u>	<u>Method</u>	<u>By</u>
9810-042-01	RA-TS-007	10/01/98	87	10/02/98	160.3	MC

  
LABORATORY MANAGER

000007

3781615

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name OHM Remediation Services  
Defense Depot - Memphis, TN  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Project # 20560

Site ID DDMT  
Memphis, TN

Date Arrived 10/01/98

ETC Order Number 9810042

ETC Lab ID 9810042-01

**Sample ID: RA-TS-007**

Matrix :SOIL

Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1 00		10/05/98 GD	9010A
Fractional Organic Matter	1.74	%	0		10/02/98 BA	D2974-87
pH - Corrosivity	6 0	SU			10/05/98 TL	9045C

  
LABORATORY MANAGER

00008



**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET****3781616**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**

Project #. 20560

**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Date Arrived 10/01/98

ETC Order Number 9810042

ETC Lab ID **9810042-01****Sample ID: RA-TS-007**

Matrix :SOIL

Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-41				NR	3051
Mercury Digestion Batch	V4-SO-36				RM	7471A
Silver	ND	mg/Kg	0.700	12:47	10/05/98	TD 6010B
Aluminum	10,800	mg/Kg	4.00	12:47	10/05/98	TD 6010B
Arsenic	5.77	mg/Kg	0.200	10:58	10/05/98	JF 7060A
Barium	85.0	mg/Kg	0.200	12:47	10/05/98	TD 6010B
Beryllium	0.468	mg/Kg	0.100	12:47	10/05/98	TD 6010B
Calcium	1,250	mg/Kg	1.00	12:47	10/05/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	12:47	10/05/98	TD 6010B
Cobalt	7.14	mg/Kg	0.700	12:47	10/05/98	TD 6010B
Chromium	16.5	mg/Kg	0.700	12:47	10/05/98	TD 6010B
Copper	12.1	mg/Kg	0.600	12:47	10/05/98	TD 6010B
Iron	16,400	mg/Kg	0.700	13:13	10/05/98	TD 6010B
Mercury	0.025	mg/Kg	0.020	14:42	10/02/98	RM 7471A
Potassium	643	mg/Kg	20.0	12:47	10/05/98	TD 6010B
Magnesium	1,960	mg/Kg	3.00	12:47	10/05/98	TD 6010B
Manganese	582	mg/Kg	0.200	12:47	10/05/98	TD 6010B
Sodium	253	mg/Kg	20.0	12:47	10/05/98	TD 6010B
Nickel	15.0	mg/Kg	1.50	12:47	10/05/98	TD 6010B
Lead	7.60	mg/Kg	0.100	13:16	10/05/98	JF 7421
Antimony	ND	mg/Kg	3.20	12:47	10/05/98	TD 6010B
Selenium	ND	mg/Kg	0.200	14:09	10/05/98	JF 7740
Thallium	0.172	mg/Kg	0.100	16:19	10/02/98	TD 7841
Vanadium	22.7	mg/Kg	0.800	12:47	10/05/98	TD 6010B
Zinc	41.2	mg/Kg	1.00	12:47	10/05/98	TD 6010B

  
LABORATORY MANAGER

600000

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

3781617

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 10/01/98  
ETC Order Number 9810042

ETC Lab ID 9810042-01  
**Sample ID: RA-TS-007**

Matrix :SOIL  
Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Volatile Organics					10/04/98	LS	8260B
QC Batch	V1100401	ug/Kg					
Acetone	ND	ug/Kg	75.0				
Benzene	ND	ug/Kg	3.00				
Bromodichloromethane	ND	ug/Kg	3.00				
Bromoform	ND	ug/Kg	3.00				
Bromomethane	ND	ug/Kg	3.00				
Carbon Disulfide	ND	ug/Kg	37.5				
Carbon Tetrachloride	ND	ug/Kg	3.00				
Chlorobenzene	ND	ug/Kg	3.00				
Chlorodibromomethane	ND	ug/Kg	3.00				
Chloroethane	ND	ug/Kg	3.00				
Chloroform	ND	ug/Kg	3.00				
Chloromethane	ND	ug/Kg	3.00				
1,1-Dichloroethane	ND	ug/Kg	3.00				
1,2-Dichloroethane	ND	ug/Kg	3.00				
1,1-Dichloroethene	ND	ug/Kg	3.00				
trans-1,2-Dichloroethene	ND	ug/Kg	3.00				
1,2-Dichloropropane	ND	ug/Kg	3.00				
cis-1,3-Dichloropropene	ND	ug/Kg	3.00				
trans-1,3-Dichloropropene	ND	ug/Kg	3.00				
Ethylbenzene	ND	ug/Kg	3.00				
2-Hexanone (MBK)	ND	ug/Kg	75.0				
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	75.0				
2-Butanone (MEK)	ND	ug/Kg	75.0				
Methylene Chloride	ND	ug/Kg	75.0				
Styrene	ND	ug/Kg	3.00				
1,1,2,2-Tetrachloroethane	ND	ug/Kg	3.00				
Tetrachloroethene	ND	ug/Kg	3.00				
Toluene	3.71	ug/Kg	3.00				
1,1,1-Trichloroethane	ND	ug/Kg	3.00				
1,1,2-Trichloroethane	ND	ug/Kg	3.00				
Trichloroethene	ND	ug/Kg	3.00				
Vinyl Acetate	ND	ug/Kg	37.5				
Vinyl Chloride	ND	ug/Kg	3.00				
o-Xylenes	ND	ug/Kg	3.00				
m-Xylenes	ND	ug/Kg	3.00				
p-Xylenes	ND	ug/Kg	3.00				
cis-1,2-Dichloroethene	ND	ug/Kg	3.00				

Surrogate Standard	% Recovery	QC Limits	
S1 - Dibromofluoromethane	108	85	119
S2 - Toluene-d8	95	87	114
S3 - 4-Bromofluorobenzene	104	75	111

  
LABORATORY MANAGER

ND - Not Detected

000010

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

3781618  
CLIENT SAMPLE NO.

9810-042-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 3.8 (g/mL) G

Lab File ID: 0401004

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/04/98

GC Column: ID: 2.00 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-GCMS-TIC

00011

3781613

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
 FID # DACA45-96-D-0014

Date Arrived 10/01/98  
 ETC Order Number 9810042

ETC Lab ID 9810042-01  
**Sample ID: RA-TS-007**

Matrix :SOIL  
 Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Base/Neutral & Acid							8270C
QC Batch	P04046	ug/Kg		10/02/98	10/03/98	RR	
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	ND	ug/Kg	67.0				
Benzo(b)fluoranthene	ND	ug/Kg	67.0				
Benzo(k)fluoranthene	ND	ug/Kg	67.0				
Benzo(g,h,i)perylene	ND	ug/Kg	67.0				
Benzo(a)pyrene	ND	ug/Kg	67.0				
Benzoic Acid	ND	ug/Kg	1670				
Benzyl Alcohol	ND	ug/Kg	170				
Bis(2-chloroethoxy)methane	ND	ug/Kg	170				
Bis(2-chloroethyl)ether	ND	ug/Kg	170				
Bis(2-chloroisopropyl)ether	ND	ug/Kg	170				
Bis(2-ethylhexyl)phthalate	ND	ug/Kg	170				
4-Bromophenyl phenyl ether	ND	ug/Kg	170				
Butyl benzyl phthalate	ND	ug/Kg	170				
4-Chloroaniline	ND	ug/Kg	170				
2-Chloronaphthalene	ND	ug/Kg	170				
4-Chloro-3-methylphenol	ND	ug/Kg	170				
2-Chlorophenol	ND	ug/Kg	170				
4-Chlorophenyl phenyl ether	ND	ug/Kg	170				
Chrysene	ND	ug/Kg	170				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Dibenzofuran	ND	ug/Kg	170				
Di-n-butyl phthalate	ND	ug/Kg	170				
1,2-Dichlorobenzene	ND	ug/Kg	170				
1,3-Dichlorobenzene	ND	ug/Kg	170				
1,4-Dichlorobenzene	ND	ug/Kg	170				
3,3'-Dichlorobenzidine	ND	ug/Kg	170				
2,4-Dichlorophenol	ND	ug/Kg	170				
2,6-Dichlorophenol	ND	ug/Kg	170				
Diethyl phthalate	ND	ug/Kg	170				
2,4-Dimethylphenol	ND	ug/Kg	170				
Dimethyl phthalate	ND	ug/Kg	170				
4,6-Dinitro-2-methylphenol	ND	ug/Kg	170				
2,4-Dinitrophenol	ND	ug/Kg	330				
2,4-Dinitrotoluene	ND	ug/Kg	170				
2,6-Dinitrotoluene	ND	ug/Kg	170				
Di-n-octyl phthalate	ND	ug/Kg	170				
Fluoranthene	ND	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Hexachlorobenzene	ND	ug/Kg	170				

  
 LABORATORY MANAGER

ND - Not Detected

000010

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

3781620

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 10/01/98  
ETC Order Number 9810042

ETC Lab ID 9810042-01  
**Sample ID: RA-TS-007**

Matrix :SOIL  
Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS Base/Neutral & Acid							8270C
Hexachlorobutadiene	ND	ug/Kg	170	10/02/98	10/03/98	RR	
Hexachlorocyclopentadiene	ND	ug/Kg	170				
Hexachloroethane	ND	ug/Kg	170				
Indeno(1,2,3-cd)pyrene	ND	ug/Kg	67.0				
Isophorone	ND	ug/Kg	170				
2-Methylnaphthalene	ND	ug/Kg	170				
2-Methylphenol (o-cresol)	ND	ug/Kg	170				
3-Methylphenol (m-cresol)	ND	ug/Kg	170				
4-Methylphenol (p-cresol)	ND	ug/Kg	170				
Naphthalene	ND	ug/Kg	67.0				
Nitrobenzene	ND	ug/Kg	170				
2-Nitroaniline	ND	ug/Kg	170				
3-Nitroaniline	ND	ug/Kg	170				
4-Nitroaniline	ND	ug/Kg	170				
2-Nitrophenol	ND	ug/Kg	170				
4-Nitrophenol	ND	ug/Kg	170				
N-Nitrosodiphenylamine	ND	ug/Kg	170				
N-Nitrosodipropylamine	ND	ug/Kg	170				
Pentachlorophenol	ND	ug/Kg	170				
Phenanthrene	ND	ug/Kg	67.0				
Phenol	ND	ug/Kg	170				
Pyrene	ND	ug/Kg	67.0				
1,2,4-Trichlorobenzene	ND	ug/Kg	170				
2,4,5-Trichlorophenol	ND	ug/Kg	170				
2,4,6-Trichlorophenol	ND	ug/Kg	170				

Surrogate Standard	% Recovery	QC Limits	
S1 - Nitrobenzene-d5	62	39	80
S2 - 2-Fluorobiphenyl	72	43	84
S3 - 4-Terphenyl-d14	58	40	121
S4 - Phenol-d6	63	31	94
S5 - 2,4,6-Tribromophenol	63	17	91
S6 - 2-Fluorophenol	59	23	89

  
LABORATORY MANAGER

ND - Not Detected

000013

3781621

FORM 1

BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

9810-042-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: 0701007

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1(mL)

Date Analyzed: 10/03/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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FORM I BNA-GCMS-TIC

60 211

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781622

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 10/01/98  
ETC Order Number 9810042

ETC Lab ID 9810042-01  
**Sample ID: RA-TS-007**

Matrix :SOIL  
Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides							8081A
QC Batch	P06023	ug/Kg		10/02/98	10/07/98	RG	
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	ND	ug/Kg	2.00				
4,4'-DDT	ND	ug/Kg	2.00				
Dieldrin	ND	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				
<b>Surrogate Standard</b>							
			<b>% Recovery</b>	<b>QC Limits</b>			
S1 - Decachlorobiphenyl			81	64	154		
S2 - Tetrachloro-m-xylene			74	39	130		

  
LABORATORY MANAGER

ND - Not Detected

3781622

3781623

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**  
Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 10/01/98  
ETC Order Number 9810042

ETC Lab ID 9810042-01  
**Sample ID: RA-TS-007**

Matrix :SOIL  
Sample Date :10/01/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs				10/02/98	10/02/98	RG	8082
QC Batch	P06023	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				
<b>Surrogate Standard</b>	<b>% Recovery</b>		<b>QC Limits</b>				
S1 - Tetrachloro-m-xylene	63		39	130			
S2 - Decachlorobiphenyl	91		64	154			

  
LABORATORY MANAGER

ND - Not Detected

000016



3781624

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Inorganics**

000017

3781625

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
INORGANICS

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042

**HOLDING TIMES**

Sample Analysis : All samples analyzed within Method Specified  
Holding Times.

**CALIBRATION**

Laboratory Control Sample : All criteria met.

**QUALITY CONTROL**

Matrix Spike

Spike Recovery : All analytes within QC limits

Duplicates

RPD : All analytes within QC limits

Method Blank

No Target Analytes detected above Detection Limit.

  
Laboratory Manager

00015

**Environmental Testing & Consulting, Inc. 3781626**  
**Inorganic QC Data Summary**

**Client Name** OHM Remediation Services  
**Project** DDMT-Memphis, TN

**ETC Order Number** 9810-042-01  
**File Name** 9810-042-01 2

**Method Blank**

Analyte	Date Analyzed	Blank Concentration mg/Kg	QC Batch
Cyanide	10/05/98	<1.00	CY100598

**Calibration Verification (CV)**

Analyte	Date Analyzed	CV Conc mg/L	CV Conc Found	% Difference
Cyanide	10/05/98	0.200	0.213	6.5

**Laboratory Control Sample (LCS)**

Analyte	Date Analyzed	LCS Conc mg/Kg	LCS Conc Found	% Recovery
Cyanide	10/05/98	20.0	19.6	98.0

**Matrix Spike/Matrix Spike Duplicate**

Sample ID	Analyte	Spike mg/Kg	Sample mg/Kg	MS Conc Found	MS % Recovery	QC Limits	RPD
9810-042-01 MS	Cyanide	18.9	<1.00	18.6	98	70 - 130	
9810-042-01 MSD	Cyanide	19.2	<1.00	19.3	101	70 - 130	3

**Duplicates**

Sample ID	Analyte	Sample %	Duplicate %	RPD
9810-042-01	Organic Matter	1.74	1.88	8

000010

3781627

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**Metals (ICP/GFAA/CV)**

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ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781628

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V8-SO-41  
Mercury V4-SO-36

Sample Analysis : All samples digested and analyzed within 180 days of collection.  
Mercury Analysis : All samples analyzed within 28 days of collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer

Dilutions Required : No dilutions required.\*

\*  
Dilutions were performed on several samples to bring the Target Analyte(s) within calibration range (C) or to remove spectral interference (I) as indicated.

Sample ID	Metal	Dilution Factor	Sample ID	Metal	Dilution Factor
9810-042-01	Iron	1:5(C)	9810-042-01	Lead	1:2(C)

Due to low recoveries and failing Post Digestion Spike, all Selenium data was reported based on the Method of Standard Additions.

**QUALITY CONTROL**

**9810-042.MQCBLANK**

Method Blank

V8-SO-41BLK - ICP/GFAA Metals  
V4-SO-36BLK - Mercury

Calcium identified in V8-SO-41BLK at 3.69 mg/Kg.  
Iron identified in V8-SO-41BLK at 2.12 mg/Kg.

**9810-042.MQCLCS**

Laboratory Control Sample(s)

V8-SO-41LCS - ICP/GFAA Metals  
V4-SO-36LCS - Mercury

All criteria met.

000001

3781629

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042

## QUALITY CONTROL

## 9810-042.MQCMSMSD

Matrix Spike / Matrix Spike Dup - ICP Metals

9810-042-01 RPD : All analytes within QC limits.\*  
RA-TS-007 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries and RPD for Antimony were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. A Post Digestion Spike was performed for verification :

	mg/L	mg/L	%	QA
<u>Analyte</u>	<u>Expected</u>	<u>Found</u>	<u>Recovery</u>	<u>Evaluation</u>
Antimony	0.500	0.515	Pass	103

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. Dilution Tests were performed for verification :

<u>Analyte</u>	No <u>Dilution</u>	1:5 <u>Dilution</u>	1:25 <u>Dilution</u>	% <u>Difference</u>	QA <u>Evaluation</u>
Aluminum	10800 mg/Kg	10600 mg/Kg	-----	2	Pass
Calcium	1250	1220	-----	2	Pass
Iron	-----	16400	16400	0	Pass
Manganese	580	570	-----	2	Pass
Magnesium	1960	1900	-----	3	Pass
Zinc	41.2	40.5	-----	2	Pass

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Graphite Metals

9810-042-01 RPD : All analytes within QC limits.  
RA-TS-007 Spike Recovery : All analytes within QC limits.\*  
\*

Due to the level of Lead present relative to the spike amount, a Dilution Test was performed for verification :

<u>Analyte</u>	1:2 <u>Dilution</u>	1:10 <u>Dilution</u>	% <u>Difference</u>	QA <u>Evaluation</u>
Lead	7.60 mg/L	7.51 mg/L	1	Pass

Recoveries for Selenium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Hg

9809-902-01 RPD : All analytes within QC limits.  
RA-C-018 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

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ENVIRONMENTAL TESTING AND CONSULTING, INC. 3781630  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042

Dilution Test - Dilution result must agree within 10% of original  
result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

007023

3781631

SOLID METHOD BLANK  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals

V8-SO-41 BLK

QC Batch

Laboratory ID Mercury

V4-SO-36 BLK

V8-SO-41

V4-SO-36

Date Sample Prepared

10/02/98

ICP/GFAA Metals

10/02/98

Mercury

Metals	Concentration mg/Kg	Detection Limit mg/Kg	Date Analyzed	Method
Silver	<0.700	0.700	10/05/98	6010B
Aluminum	<4.00	4.00	10/05/98	6010B
Arsenic	<0.200	0.200	10/05/98	7060A
Barium	<0.200	0.200	10/05/98	6010B
Beryllium	<0.100	0.100	10/05/98	6010B
Calcium	3.69	1.00	10/05/98	6010B
Cadmium	<0.400	0.400	10/05/98	6010B
Cobalt	<0.700	0.700	10/05/98	6010B
Chromium	<0.700	0.700	10/05/98	6010B
Copper	<0.600	0.600	10/05/98	6010B
Iron	2.12	0.700	10/05/98	6010B
Potassium	<20.0	20.0	10/05/98	6010B
Magnesium	<3.00	3.00	10/05/98	6010B
Manganese	<0.200	0.200	10/05/98	6010B
Sodium	<20.0	20.0	10/05/98	6010B
Nickel	<1.50	1.50	10/05/98	6010B
Lead	<0.100	0.100	10/05/98	7421
Antimony	<3.20	3.20	10/05/98	6010B
Selenium	<0.200	0.200	10/05/98	7740
Thallium	<0.100	0.100	10/02/98	7841
Vanadium	<0.800	0.800	10/05/98	6010B
Zinc	<1.00	1.00	10/05/98	6010B
Mercury	<0.020	0.020	10/02/98	7471A

Metals Blank

9810-042

9810-042 mqcBLANK



SOLID LABORATORY CONTROL SAMPLE  
METALS

Lab Name

Environmental Testing and Consulting, Inc

Laboratory Control ID

ICP/GFAA Metals	V8-SO-41	LCS
Mercury	V4-SO-36	LCS

QC Batch

V8-SO-41

V4-SO-36

Date Prepared

ICP/GFAA Metals	10/02/98
Mercury	10/02/98

Metals	Spike Added mg/Kg	Found mg/Kg	% R	#	QC Limits
Silver	20.0	20.0	100	80	120
Aluminum	200	198	99	80	120
Arsenic	5.00	4.91	98	85	115
Barium	200	194	97	80	120
Beryllium	20.0	19.0	95	80	120
Calcium	400	408	102	80	120
Cadmium	20.0	19.3	97	80	120
Cobalt	100	101	101	80	120
Chromium	40.0	41.0	103	80	120
Copper	40.0	39.6	99	80	120
Iron	200	202	101	80	120
Potassium	400	397	99	80	120
Magnesium	400	394	99	80	120
Manganese	20.0	20.5	103	80	120
Sodium	400	398	100	80	120
Nickel	100	101	101	80	120
Lead	2.00	2.10	105	85	115
Antimony	200	200	100	80	120
Selenium	5.00	5.07	101	85	115
Thallium	2.00	1.81	91	85	115
Vanadium	100	100	100	80	120
Zinc	20.0	20.2	101	80	120
Mercury	0.167	0.163	98	80	120

```
# Column to be used to flag recovery values with an asterisk
* Values outside of QC limits
```

Metals Laboratory Control Sample

000025

9810-042 mqcLCS

3781633

SOLID MATRIX SPIKE  
METALS

Lab Name                      Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9810-042-01	QC Batch
Laboratory ID MS Mercury	9809-902-01	V8-SO-41
		V4-SO-36

Date Sample Prepared	10/02/98	ICP/GFAA Metals
	10/02/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MS Conc mg/Kg	RPD <20% #	MS % Rec #	QC Limits	
Silver	20.9	ND	20.9	8	100	75	125
Aluminum	209	10800	11600	2	383 *	75	125
Arsenic	5.42	5.77	10.5	17	87	70	130
Barium	209	85.0	291	11	99	75	125
Beryllium	20.9	0.468	21.0	8	98	75	125
Calcium	418	1250	1630	9	91	75	125
Cadmium	20.9	ND	20.2	10	90	75	125
Cobalt	104	7.14	111	11	100	75	125
Chromium	41.8	16.5	59.0	7	102	75	125
Copper	41.8	12.1	53.9	9	100	75	125
Iron	209	16400	17000	1	287 *	75	125
Potassium	418	643	1060	6	100	75	125
Magnesium	418	1960	2420	2	110	75	125
Manganese	20.9	582	490	6	440 *	75	125
Sodium	418	253	583	6	79	75	125
Nickel	104	15.0	120	8	101	75	125
Lead	2.17	7.60	9.38	6	82	70	130
Antimony	209	ND	4.83	200 *	2 *	75	125
Selenium	5.42	0.240	3.81	3	66 *	70	130
Thallium	2.17	0.172	1.85	7	77	70	130
Vanadium	104	22.7	121	9	95	75	125
Zinc	20.9	41.2	76.9	9	171 *	75	125
Mercury	0.168	0.059	0.212	5	91	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits                      ND - Not Detected

Metals Matrix Spike

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9810-042 mqcMSMSD

3781634

# SOLID MATRIX SPIKE DUPLICATE METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9810-042-01	QC Batch V8-SO-41
Laboratory ID MS Mercury	9809-902-01	V4-SO-36

Date Sample Prepared	10/02/98	ICP/GFAA Metals
	10/02/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MSD Conc mg/Kg		MSD % Rec	#	QC Limits
Silver	22.5	ND	22.6		100		75 125
Aluminum	225	10800	11800		444	*	75 125
Arsenic	5.53	5.77	12.4		120		70 130
Barium	225	85.0	324		106		75 125
Beryllium	22.5	0.468	22.8		99		75 125
Calcium	451	1250	1790		120		75 125
Cadmium	22.5	ND	22.4		88		75 125
Cobalt	113	7.14	124		103		75 125
Chromium	45.1	16.5	63.5		104		75 125
Copper	45.1	12.1	58.9		104		75 125
Iron	225	16400	17100		311	*	75 125
Potassium	451	643	1120		106		75 125
Magnesium	451	1960	2480		115		75 125
Manganese	22.5	582	520		-276	*	75 125
Sodium	451	253	616		81		75 125
Nickel	113	15.0	130		102		75 125
Lead	2.21	7.60	9.95		106		70 130
Antimony	225	ND	0		0	*	75 125
Selenium	5.53	0.240	3.69		62	*	70 130
Thallium	2.21	0.172	1.99		82		70 130
Vanadium	113	22.7	132		97		75 125
Zinc	22.5	41.2	70.3		129	*	75 125
Mercury	0.159	0.059	0.202		90		75 125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike Duplicate

9810-042

9810-042 mqcMSMSD

3781635

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Volatiles**

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ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - SOIL

3781636

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042  
Method (SW-846) : 8260B/5030B

**HOLDING TIMES**

Sample Analysis : All samples analyzed within 14 days of collection.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
V1100401 V110041LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
V110041BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-042-01 RPD : All analytes within QC limits.  
RA-TS-007 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
V110041LB

No Target Analytes detected above the reporting limit.

**CALIBRATION**

BFB Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*

Calibration Verification(CV) : Date 10/04/98 Time 15:36

Analyte	%Diff(30% Max)	Response
n-Butylbenzene	34.0	High
Pentachloroethane	91.0	High
1,2,3-Trichlorobenzene	35.0	High
1,2,4-Trichlorobenzene	39.0	High

High responses indicate that reported levels for these analytes may be biased high. These analytes were not Target Analytes associated with this project. The data was not affected.

Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times within QC limits.

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3781637

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS VOLATILE COMPOUNDS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN

ETC Order # : 9810-042  
Method (SW-846) : 8260B/5030B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000030

FORM 2  
SOIL VOA-GCMS SYSTEM MONITORING COMPOUND RECOVERY

3781638

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-042

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (TOL) #	SMC3 (BFB) #	OTHER	TOT OUT
01	V110041LB	99	94	102		0
02	9810-042-1	108	95	104		0
03	V110041BS	95	99	100		0
04	9810-042-1M	101	97	104		0
05	9810-042-1S	102	95	106		0
06						
07						
08						
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30						

QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (85-119)  
 SMC2 (TOL) = Toluene-d8 (87-114)  
 SMC3 (BFB) = Bromofluorobenzene (75-111)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

000031

3781639

FORM 4  
VOA-GCMS METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

Lab Name: ETC, INC.

V110041LB

Lab Prep Batch: V1100401

SDG No.: 9810-042

Lab File ID: 0002003

Lab Prep Batch: V1100401

Date Analyzed: 10/04/98

Time Analyzed: 1724

GC Column: ID: 2 (mm)

Heated Purge: (Y/N) Y

Instrument ID: VOC1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	9810-042-1		0401004	1806
02	V110041BS		1101011	2259
03	9810-042-1M		1401014	0105
04	9810-042-1S		1501015	0146
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COMMENTS:



FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

3781640

CLIENT SAMPLE NO.

V110041LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: V1100401

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 0302003

Level: (low/med) LOW

Date Analyzed: 10/04/98

Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

67-64-1-----	Acetone	50.0	U
71-43-2-----	Benzene	2.00	U
75-27-4-----	Bromodichloromethane	2.00	U
75-25-2-----	Bromoform	2.00	U
74-83-9-----	Bromomethane	2.00	U
75-15-0-----	Carbon Disulfide	25.0	U
56-23-5-----	Carbon Tetrachloride	2.00	U
108-90-7-----	Chlorobenzene	2.00	U
124-48-1-----	Chlorodibromomethane	2.00	U
75-00-3-----	Chloroethane	2.00	U
67-66-3-----	Chloroform	2.00	U
74-87-3-----	Chloromethane	2.00	U
75-34-3-----	1,1-Dichloroethane	2.00	U
107-06-2-----	1,2-Dichloroethane	2.00	U
75-35-4-----	1,1-Dichloroethene	2.00	U
156-59-4-----	cis-1,2-Dichloroethene	2.00	U
156-60-5-----	trans-1,2-Dichloroethene	2.00	U
78-87-5-----	1,2-Dichloropropane	2.00	U
10061-01-5-----	cis-1,3-Dichloropropene	2.00	U
10061-02-6-----	trans-1,3-Dichloropropene	2.00	U
100-41-4-----	Ethylbenzene	2.00	U
591-78-6-----	2-Hexanone	50.0	U
75-09-2-----	Methylene Chloride	50.0	U
78-93-3-----	Methyl-Ethyl Ketone	50.0	U
108-10-1-----	4-Methyl-2-Pentanone	50.0	U
100-42-5-----	Styrene	2.00	U
79-34-5-----	1,1,2,2-Tetrachloroethane	2.00	U
127-18-4-----	Tetrachloroethene	2.00	U
108-88-3-----	Toluene	2.00	U
71-55-6-----	1,1,1-Trichloroethane	2.00	U
79-00-5-----	1,1,2-Trichloroethane	2.00	U
79-01-6-----	Trichloroethene	2.00	U
108-05-4-----	Vinyl Acetate	25.0	U

FORM I VOA-GCMS

000000

3781641

FORM 1  
VOA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V110041LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: V1100401

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 0302003

Level: (low/med) LOW

Date Analyzed: 10/04/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
75-01-4-----	Vinyl Chloride	2.00	U	
1330-20-7-----	Xylene-mp	2.00	U	
95-47-6-----	Xylene-o	2.00	U	

FORM I VOA-GCMS

000004

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

3781642

Lab Name: ETC, INC.

Lab Prep Batch: V1100401

SDG No.: 9810-042

Matrix Spike - Sample No.: V110041BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acetone	100		67.3	67	59-151
Benzene	100		84.8	85	72-124
Bromodichloromethane	100		91.0	91	68-119
Bromoform	100		87.7	88	66-136
Bromomethane	100		78.7	79	40-134
Carbon Disulfide	100		88.8	89	60-133
Carbon Tetrachloride	100		91.5	92	64-123
Chlorobenzene	100		84.5	84	77-112
Chlorodibromomethane	100		93.3	93	72-118
Chloroethane	100		69.2	69	64-142
Chloroform	100		92.7	93	70-115
Chloromethane	100		69.5	70	58-139
1,1-Dichloroethane	100		85.1	85	76-118
1,2-Dichloroethane	100		80.5	80	62-124
1,1-Dichloroethene	100		87.5	88	69-121
cis-1,2-Dichloroethene	100		87.7	88	76-114
trans-1,2-Dichloroethene	100		88.2	88	72-121
1,2-Dichloropropane	100		90.1	90	64-133
cis-1,3-Dichloropropene	100		88.4	88	77-120
trans-1,3-Dichloropropene	100		91.8	92	73-124
Ethylbenzene	100		85.7	86	77-111
2-Hexanone	100		79.7	80	53-144
Methylene Chloride	100		88.8	89	67-115
Methyl-Ethyl Ketone	100		85.7	86	55-151
4-Methyl-2-Pentanone	100		83.2	83	42-144
Styrene	100		94.3	94	77-117
1,1,1,2-Tetrachloroethane	100		92.2	92	79-113
Tetrachloroethene	100		77.6	78	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3781643

FORM 3  
SOIL VOA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: V1100401

SDG No.: 9810-042

Matrix Spike - Sample No.: V110041BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Toluene	100		86.9	87	77-115
1,1,1-Trichloroethane	100		85.6	86	63-122
1,1,2-Trichloroethane	100		87.0	87	69-117
Trichloroethene	100		92.4	92	75-113
Vinyl Acetate	100		85.0	85	28-146
Vinyl Chloride	100		75.0	75	65-134
Xylene-mp	200		175	88	77-115
Xylene-o	100		90.3	90	77-115

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 36 outside limits

COMMENTS:

FORM 3  
SOIL VOA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781644

Lab Name: ETC, INC.

Lab Prep Batch: V1100401

SDG No.: 9810-042

Matrix Spike - Sample No.: 9810-042-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Benzene	232	0.000	194	84	72-124
Chlorobenzene	232	0.000	179	77	77-112
1,1-Dichloroethene	232	0.000	218	94	69-121
Toluene	232	3.23	192	81	77-115
Trichloroethene	232	0.000	205	88	75-113

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Benzene	232	202	87	4	20	72-124
Chlorobenzene	232	194	84	9	20	77-112
1,1-Dichloroethene	232	229	99	5	20	69-121
Toluene	232	207	88	8	20	77-115
Trichloroethene	232	224	96	9	20	75-113

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

FORM III VOA-GCMS

000037

3781645

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Semi-Volatiles**

000008

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS SEMI-VOLATILE COMPOUNDS - SOIL

3781616

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN

ETC Order # : 9810-042  
Method (SW-846) : 8270C/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P04046 P04046LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recoveries for multiple analytes were flagged for high  
recovery in Blank Spike P04046BS associated with this project.

Laboratory Control Sample FORM 3  
P04046BS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-042-01 RPD : All analytes within QC limits.  
RA-TS-007 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P04046LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

Semi-Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times  
within QC limits.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

(00000)

3781647

FORM 2  
SOIL BNA-GCMS SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-042

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	P04046LB	78	77	74	82	83	79			0
02	P04046BS	94*	95*	90*	96*	104*	86			5
03	9810-042-1	59	63	62	72	63	58			0
04	9810-042-1M	68	71	70	75	75	68			0
05	9810-042-1S	72	76	70	78	82	70			0
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QC LIMITS

S1 (2FP) = 2-Fluorophenol (23- 89)  
 S2 (PHL) = Phenol-d6 (31- 94)  
 S3 (NBZ) = Nitrobenzene-d5 (39- 80)  
 S4 (FBP) = 2-Fluorobiphenyl (43- 84)  
 S5 (TBP) = 2,4,6-Tribromophenol (17- 91)  
 S6 (TPH) = Terphenyl-d14 (40-121)

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



FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

3781648

CLIENT SAMPLE NO

P04046LB

Lab Name: ETC, INC.

Lab Prep Batch: P04046

Lab File ID: 0301003

Matrix: (soil/water) SOIL

Level:(low/med) LOW

SDG No.: 9810-042

Instrument ID: BNA2

Date Analyzed: 10/03/98

Time Analyzed: 0909

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P04046BS		0401004	10/03/98
02	9810-042-1		0701007	10/03/98
03	9810-042-1M		0801008	10/03/98
04	9810-042-1S		0901009	10/03/98
05				
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COMMENTS:

3781649

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04046LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: P04046

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 10/03/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	66.7	U
208-96-8	Acenaphthylene	66.7	U
120-12-7	Anthracene	66.7	U
56-55-3	Benzo(a) Anthracene	66.7	U
205-99-2	Benzo(b) fluoranthene	66.7	U
207-08-9	Benzo(k) fluoranthene	66.7	U
191-24-2	Benzo(g,h,i) perylene	66.7	U
50-32-8	Benzo(a) pyrene	66.7	U
65-85-0	Benzoic Acid	1670	U
100-51-6	Benzyl Alcohol	167	U
111-44-4	bis(2-Chloroethyl) ether	167	U
111-91-1	Bis(2-chloroethoxy) methane	167	U
39638-32-9	bis(2-Chloroisopropyl) ether	167	U
117-81-7	bis(2-ethylhexyl) Phthalate	167	U
101-55-3	4-Bromophenyl-phenylether	167	U
85-68-7	Butylbenzylphthalate	167	U
106-47-8	4-Chloroaniline	167	U
59-50-7	4-Chloro-3-Methylphenol	167	U
91-58-7	2-Chloronaphthalene	167	U
95-57-8	2-Chlorophenol	167	U
7005-72-3	4-Chlorophenyl-phenylether	167	U
218-01-9	Chrysene	167	U
53-70-3	Dibenzo(a,h) anthracene	66.7	U
132-64-9	Dibenzofuran	167	U
84-74-2	Di-n-Butylphthalate	167	U
95-50-1	1,2-Dichlorobenzene	167	U
541-73-1	1,3-Dichlorobenzene	167	U
106-46-7	1,4-Dichlorobenzene	167	U
91-94-1	3,3'-Dichlorobenzidine	167	U

FORM I BNA-GCMS

010012

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

3781650

CLIENT SAMPLE NO.

P04046LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: P04046

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 10/03/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
120-83-2-----	2,4-Dichlorophenol	167	U
87-65-0-----	2,6-Dichlorophenol	167	U
84-66-2-----	Diethylphthalate	167	U
105-67-9-----	2,4-Dimethyphenol	167	U
131-11-3-----	Dimethylphthalate	167	U
534-52-1-----	4,6-Dinitro-2-methylphenol	167	U
51-28-5-----	2,4-Dinitrophenol	330	U
121-14-2-----	2,4-Dinitrotoluene	167	U
606-20-2-----	2,6-Dinitrotoluene	167	U
117-84-0-----	Di-n-octylphthalate	167	U
86-30-6-----	Diphenylamine/n-NDPA	167	U
206-44-0-----	Fluoranthene	66.7	U
86-73-7-----	Fluorene	66.7	U
118-74-1-----	Hexachlorobenzene	167	U
87-68-3-----	Hexachlorobutadiene	167	U
77-47-4-----	Hexachlorocyclopentadiene	167	U
67-72-1-----	Hexachloroethane	167	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	66.7	U
78-59-1-----	Isophorone	167	U
91-57-6-----	2-Methylnaphthalene	167	U
95-48-7-----	2-Methylphenol	167	U
106-44-5-----	3&4-Methylphenol	167	U
91-20-3-----	Naphthalene	66.7	U
88-74-4-----	2-Nitroaniline	167	U
99-09-2-----	3-Nitroaniline	167	U
100-01-6-----	4-Nitroaniline	167	U
98-95-3-----	Nitrobenzene	167	U
88-75-5-----	2-Nitrophenol	167	U
100-02-7-----	4-Nitrophenol	167	U
62-75-9-----	N-Nitrosodimethylamine	167	U
621-64-7-----	N-Nitrosodinpropylamine	167	U
87-86-5-----	Pentachlorophenol	167	U
85-01-8-----	Phenanthrene	66.7	U

FORM I BNA-GCMS

000013

3781651

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04046LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: P04046

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0301003

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1(mL)

Date Analyzed: 10/03/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
108-95-2-----	Phenol	167	U
129-00-0-----	Pyrene	66.7	U
120-82-1-----	1,2,4-Trichlorobenzene	167	U
95-95-4-----	2,4,5-Trichlorophenol	167	U
88-06-2-----	2,4,6-Trichlorophenol	167	U

FORM I BNA-GCMS

100044

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781652

Lab Name: ETC, INC.

Lab Prep Batch: P04046

SDG No.: 9810-042

Matrix Spike - Sample No.: P04046BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1670		1450	87	34-126
Acenaphthylene	1670		1470	88	62-123
Anthracene	1670		1490	89	68-124
Benzo(a)Anthracene	1670		1450	87	60-133
Benzo(b)fluoranthene	1670		1520	91	67-126
Benzo(k)fluoranthene	1670		1480	89	75-131
Benzo(g,h,i)perylene	1670		1450	87	53-137
Benzo(a)pyrene	1670		1490	89	68-129
Benzoic Acid	1670		3960	237	37-251
Benzyl Alcohol	1670		1360	81	20-159
bis(2-Chloroethyl)ether	1670		1770	106	25-147
Bis(2-chloroethoxy)meth	1670		1340	80	37-153
bis(2-Chloroisopropyl)e	1670		1360	81	35-138
bis(2-ethylhexyl)Phthal	1670		1630	98	60-150
4-Bromophenyl-phenyleth	1670		1440	86	59-130
Butylbenzylphthalate	1670		1430	86	71-137
4-Chloroaniline	1670		603	36	27-106
4-Chloro-3-Methylphenol	3330		2940	88	33-147
2-Chloronaphthalene	1670		1520	91	62-126
2-Chlorophenol	3330		2850	86	34-126
4-Chlorophenyl-phenylet	1670		1470	88	60-128
Chrysene	1670		1430	86	67-131
Dibenzo(a,h)anthracene	1670		1420	85	51-138
Dibenzofuran	1670		1400	84	57-131
Di-n-Butylphthalate	1670		1430	86	39-179
1,2-Dichlorobenzene	1670		1390	83	58-110

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

3781653

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P04046

SDG No.: 9810-042

Matrix Spike - Sample No.: P04046BS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	1670		1360	81	55-109
1,4-Dichlorobenzene	1670		1380	83	26-121
3,3'-Dichlorobenzidine	3330		3460	104	18-191
2,4-Dichlorophenol	3330		2990	90	68-123
2,6-Dichlorophenol	3330		2910	87	45-157
Diethylphthalate	1670		1400	84	72-133
2,4-Dimethylphenol	3330		2900	87	53-121
Dimethylphthalate	1670		1440	86	64-132
4,6-Dinitro-2-methylphe	3330		2980	89	70-158
2,4-Dinitrophenol	3330		3200	96	31-186
2,4-Dinitrotoluene	1670		1450	87	22-139
2,6-Dinitrotoluene	1670		1440	86	64-142
Di-n-octylphthalate	1670		1450	87	42-172
Diphenylamine/n-NDPA	1670		1360	81	55-140
Fluoranthene	1670		1370	82	71-132
Fluorene	1670		1480	89	65-126
Hexachlorobenzene	1670		1560	93	64-130
Hexachlorobutadiene	1670		1510	90	62-116
Hexachlorocyclopentadie	1670		1570	94	16-160
Hexachloroethane	1670		1440	86	58-110
Indeno(1,2,3-cd)pyrene	1670		1370	82	34-170
Isophorone	1670		1440	86	35-135
2-Methylnaphthalene	1670		1380	83	57-123
2-Methylphenol	3330		2670	80	56-132
3&4-Methylphenol	3330		2860	86	68-111
Naphthalene	1670		1420	85	62-113
2-Nitroaniline	1670		1460	87	63-138
3-Nitroaniline	1670		1300	78	53-128

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781654

Lab Name: ETC, INC.

Lab Prep Batch: P04046

SDG No.: 9810-042

Matrix Spike - Sample No.: P04046BS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Nitroaniline	1670		1290	77	60-140
Nitrobenzene	1670		1440	86	59-123
2-Nitrophenol	3330		2770	83	52-145
4-Nitrophenol	3330		2720	82	12-105
N-Nitrosodipropylamine	1670		1400	84	24-141
Pentachlorophenol	3330		2970	89	6-164
Phenanthrene	1670		1420	85	66-128
Phenol	3330		2960	89	22-127
Pyrene	1670		1360	81	33-155
1,2,4-Trichlorobenzene	1670		1410	84	30-127
2,4,5-Trichlorophenol	3330		3100	93	50-173
2,4,6-Trichlorophenol	3330		3100	93	46-161

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 66 outside limits

COMMENTS:

3781655

## FORM 3

SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P04046

SDG No.: 9810-042

Matrix Spike - Sample No.: 9810-042-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	3330	0.00	2160	65	34-126
4-Chloro-3-Methylphenol	5330	0.00	3870	73	33-147
2-Chlorophenol	5330	0.00	3790	71	35-138
1,4-Dichlorobenzene	3330	0.00	2020	61	26-121
2,4-Dinitrotoluene	3330	0.00	2080	62	22-139
4-Nitrophenol	5330	0.00	3140	59	12-105
N-Nitrosodinpropylamine	3330	0.00	2020	61	24-141
Pentachlorophenol	5330	0.00	3930	74	6-164
Phenol	5330	0.00	3360	63	22-127
Pyrene	3330	0.00	2260	68	33-155
1,2,4-Trichlorobenzene	3330	0.00	2300	69	30-127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Acenaphthene	3330	2310	69	6	20	34-126
4-Chloro-3-Methylphenol	5330	4230	79	8	20	33-147
2-Chlorophenol	5330	4040	76	7	20	35-138
1,4-Dichlorobenzene	3330	2070	62	2	20	26-121
2,4-Dinitrotoluene	3330	2220	67	8	20	22-139
4-Nitrophenol	5330	3580	67	13	20	12-105
N-Nitrosodinpropylamine	3330	2100	63	3	20	24-141
Pentachlorophenol	5330	4460	84	13	20	6-164
Phenol	5330	3590	67	6	20	22-127
Pyrene	3330	2380	71	4	20	33-155
1,2,4-Trichlorobenzene	3330	2410	72	4	20	30-127

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS:

FORM III BNA-GCMS

00048



3781656

**Environmental Testing & Consulting, Inc.**

## **Quality Control Reports**

**GC Pesticides**

000049

3781657

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042  
Method (SW-846) : 8081A/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06023 P06023LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06023LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-042-01 RPD : All analytes within QC limits.  
RA-TS-007 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06023LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*  
Endrin/Breakdown : All criteria met. FORM 7A  
\*

Calibration Verification(CV) : P110061A.22R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	22.8	High
Endrin	23.2	Low
Endrin aldehyde	32.2	High
Endrin ketone	25.6	High
Methoxychlor	20.3	High

Low response for Endrin indicates that reported levels for this analyte may be biased low. High responses indicate that reported levels for these analytes may be biased high. Recoveries for these analytes were within QC Limits in P06023LCS and MS/MSD associated with this project. The data was not affected.

000050

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781658

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN  
ETC Order # : 9810-042  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

Calibration Verification(CV) : P110061A.23R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	20.2	High
Endrin	25.6	Low
Endrin aldehyde	32.2	High
Endrin ketone	17.5	High
Heptachlor	15.9	High
Methoxychlor	20.0	High

Low response for Endrin indicates that reported levels for this analyte may be biased low. High responses indicate that reported levels for these analytes may be biased high. Recoveries for these analytes were within QC Limits in P06023LCS and MS/MSD associated with this project. The data was not affected.

Calibration Verification(CV) : P110071B.32R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	25.5	Low
Endrin aldehyde	55.5	High
Endrin ketone	21.0	High
Decachlorobiphenyl	27.0	Low

Low responses for Decachlorobiphenyl and Endrin indicate that reported levels for these analytes may be biased low. High responses for Endrin aldehyde and Endrin ketone indicate that reported levels for these analytes may be biased high. Recoveries for these analytes were within QC Limits in P06023LCS and MS/MSD associated with this project. Surrogate recoveries were within QC Limits for all samples associated with this project. The data was not affected.

Calibration Verification(CV) : P110071B.33R (Confirmation)

Analyte	%Diff(15% Max)	Response
Endrin	32.5	Low
Endrin aldehyde	41.5	High
Endrin ketone	15.5	High
Decachlorobiphenyl	31.0	Low

Low responses for Decachlorobiphenyl and Endrin indicate that reported levels for these analytes may be biased low. High responses for Endrin aldehyde and Endrin ketone indicate that reported levels for these analytes may be biased high. Recoveries for these analytes were within QC Limits in P06023LCS and MS/MSD associated with this project. Surrogate recoveries were within QC Limits for all samples associated with this project. The data was not affected.

000051

3781659

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN

ETC Order # : 9810-042  
Method (SW-846) : 8081A/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000052

FORM 2  
SOIL PESTICIDE SURROGATE RECOVERY

3781660

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-042

Level: (low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06023LB	86	88							0
02	P06023LCS	74	98							0
03	9810-042-1	74	81							0
04	9810-042-1MS	74	63							0
05	9810-042-1MS	75	67							0
06										
07										
08										
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27										
28										
29										
30										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)

S2 (DBC) = Decachlorobiphenyl (64-154)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

000053

3781661

FORM 4  
PESTICIDE METHOD BLANK SUMMARY

EPA GC SAMPLE NO

Lab Name: ETC, INC.

P06023LB

Lab Prep Batch: P06023

SDG No.: 9810-042

Lab File ID: P110061A-13R

Instrument ID: PEST1A

Matrix: (soil/water) SOIL

Date Analyzed: 10/07/98

Level:(low/med) LOW

Time Analyzed: 0035

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06023LCS		P110061A-17R	10/07/98
02	9810-042-1		P110071B-21R	10/07/98
03	9810-042-1MS		P110071B-26R	10/08/98
04	9810-042-1MS		P110071B-27R	10/08/98
05				
06				
07				
08				
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COMMENTS:

FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

3781662

EPA GC SAMPLE NO.

P06023LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: P06023

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: P110061A-13R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10(mL)

Date Analyzed: 10/07/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2-----	Aldrin	1.33333	U
319-84-6-----	alpha-BHC	1.33333	U
319-85-7-----	beta-BHC	1.33333	U
319-86-8-----	delta-BHC	1.33333	U
58-89-9-----	gamma-BHC (Lindane)	1.33333	U
5103-71-9-----	alpha-chlordane	1.33333	U
5103-74-2-----	gamma-chlordane	1.33333	U
72-54-8-----	4,4'-DDD	1.33333	U
72-55-9-----	4,4'-DDE	1.33333	U
50-29-3-----	4,4'-DDT	1.33333	U
60-57-1-----	Dieldrin	1.33333	U
959-98-8-----	Endosulfan I	1.33333	U
33213-65-9-----	Endosulfan II	1.33333	U
1031-07-8-----	Endosulfan sulfate	1.33333	U
72-20-8-----	Endrin	1.33333	U
7421-93-4-----	Endrin aldehyde	1.33333	U
53494-70-5-----	Endrin Ketone	1.33333	U
76-44-8-----	Heptachlor	1.33333	U
1024-57-3-----	Heptachlor epoxide	1.33333	U
72-43-5-----	Methoxychlor	1.33333	U

FORM I PESTICIDE

000055

3781663

FORM 3  
SOIL PESTICIDE LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06023

SDG No.: 9810-042

Matrix Spike - Sample No.: P06023LCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	33.33333		26.56437	80	31-111
alpha-BHC	33.33333		26.41521	79	22-112
beta-BHC	33.33333		28.89711	87	54-120
delta-BHC	33.33333		25.25291	76	10- 96
gamma-BHC (Lindane)	33.33333		26.99529	81	26-113
alpha-chlordane	33.33333		29.61894	89	49-103
gamma-chlordane	33.33333		29.57590	89	50-106
4,4'-DDD	33.33333		30.45512	91	47-112
4,4'-DDE	33.33333		28.54260	86	36-117
4,4'-DDT	33.33333		37.04238	111	49-124
Dieldrin	33.33333		28.48146	85	44-108
Endosulfan I	33.33333		29.35515	88	49-103
Endosulfan II	33.33333		32.31192	97	53-115
Endosulfan sulfate	33.33333		33.02970	99	51-110
Endrin	33.33333		23.19867	70	44-118
Endrin aldehyde	33.33333		37.03351	111	48-128
Endrin Ketone	33.33333		33.85872	102	38-130
Heptachlor	33.33333		29.29602	88	47-113
Heptachlor epoxide	33.33333		29.08945	87	47-112
Methoxychlor	33.33333		39.23242	118	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:



FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781664

Lab Name: ETC, INC.

Lab Prep Batch: P06023

SDG No.: 9810-042

Matrix Spike - Sample No.: 9810-042-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	33.33	0.000	22.19	66	31-111
alpha-BHC	33.33	0.000	23.17	70	22-112
beta-BHC	33.33	0.000	25.14	75	54-120
delta-BHC	33.33	0.969	23.70	68	10- 96
gamma-BHC	33.33	0.630	23.22	68	26-113
alpha-chlordane	33.33	0.000	23.80	71	49-103
gamma-chlordane	33.33	0.490	24.43	72	50-106
4,4'-DDD	33.33	0.000	25.16	75	47-112
4,4'-DDE	33.33	0.566	22.69	66	36-117
4,4'-DDT	33.33	0.726	27.64	81	49-124
Dieldrin	33.33	0.500	23.84	70	44-108
Endosulfan I	33.33	0.735	25.15	73	49-103
Endosulfan II	33.33	0.000	27.15	81	53-115
Endosulfan sulfate	33.33	0.723	28.18	82	51-110
Endrin	33.33	0.000	19.26	58	44-118
Endrin aldehyde	33.33	0.000	38.35	115	48-128
Endrin ketone	33.33	0.000	31.84	96	38-130
Heptachlor	33.33	1.82	25.61	71	47-113
Heptachlor epoxide	33.33	0.430	23.70	70	47-112
Methoxychlor	33.33	0.391	28.48	84	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

3781665

FORM 3

## SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06023

SDG No.: 9810-042

Matrix Spike - Sample No.: 9810-042-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	33.33	21.98	66	0	20	31-111
alpha-BHC	33.33	22.14	66	6	20	22-112
beta-BHC	33.33	25.25	76	1	20	54-120
delta-BHC	33.33	23.54	68	0	20	10- 96
gamma-BHC	33.33	22.70	66	3	20	26-113
alpha-chlordane	33.33	24.10	72	1	20	49-103
gamma-chlordane	33.33	24.51	72	0	20	50-106
4,4'-DDD	33.33	25.51	76	1	20	47-112
4,4'-DDE	33.33	22.88	67	2	20	36-117
4,4'-DDT	33.33	27.98	82	1	20	49-124
Dieldrin	33.33	23.89	70	0	20	44-108
Endosulfan I	33.33	25.21	73	0	20	49-103
Endosulfan II	33.33	27.64	83	2	20	53-115
Endosulfan sulfate	33.33	28.70	84	2	20	51-110
Endrin	33.33	19.23	58	0	20	44-118
Endrin aldehyde	33.33	39.00	117	2	20	48-128
Endrin ketone	33.33	32.70	98	2	20	38-130
Heptachlor	33.33	25.25	70	1	20	47-113
Heptachlor epoxide	33.33	23.91	70	0	20	47-112
Methoxychlor	33.33	29.42	87	4	20	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:

3781666

Environmental Testing & Consulting, Inc.

## Quality Control Reports

GC PCBs

000059

3781667

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis TN

ETC Order # : 9810-042  
Method (SW-846) : 8082/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06023 P06023LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06023LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-042-01 RPD : All analytes within QC limits.  
RA-TS-007 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06023LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000060

FORM 2  
SOIL PCB SURROGATE RECOVERY

3781668

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-042

Level: (low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06023LB	79	95							0
02	P06023LCS	71	88							0
03	9810-042-1	63	91							0
04	9810-042-1MS	74	92							0
05	9810-042-1MS	65	88							0
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QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

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

3781669

FORM 4  
PCB METHOD BLANK SUMMARY

EPA GC SAMPLE NO.

P06023LB

Lab Name: ETC, INC.

Lab Prep Batch: P06023

SDG No.: 9810-042

Lab File ID: C210011A-36R

Lab Prep Batch: P06023

Date Analyzed: 10/02/98

Time Analyzed: 1658

GC Column: DB-608 ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: PEST2A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	P06023LCS		C210011A-37R	1737
02	9810-042-1		C210011A-38R	1816
03	9810-042-1MS		C210011A-39R	1856
04	9810-042-1MS		C210011A-40R	1935
05				
06				
07				
08				
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COMMENTS:

3781670

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

P06023LB

Lab Name: ETC, INC.

SDG No.: 9810-042

Matrix: (soil/water) SOIL

Lab Prep Batch: P06023

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C210011A-36R

Level: (low/med) LOW

Date Analyzed: 10/02/98

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor 1016	16.67	U
11104-28-2-----	Aroclor 1221	16.67	U
11141-16-5-----	Aroclor 1232	16.67	U
53469-21-9-----	Aroclor 1242	16.67	U
11097-69-1-----	Aroclor 1254	16.67	U
11096-82-5-----	Aroclor 1260	16.67	U
12672-29-6-----	Aroclor 1248	16.67	U

FORM I PCB

000063

3781671

FORM 3  
SOIL PCB LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06023

SDG No.: 9810-042

Matrix Spike - Sample No.: P06023LCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor 1242	333.3		277.3	83	25-125
Aroclor 1260	333.3		276.2	83	25-125

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PCB

000061



FORM 3  
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781672

Lab Name: ETC, INC.

Lab Prep Batch: P06023

SDG No.: 9810-042

Matrix Spike - Sample No.: 9810-042-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor 1242	330.0	0.000	291.8	88	25-125
Aroclor 1260	330.0	0.000	294.2	89	25-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor 1242	332.2	290.4	87	1	20 25-125
Aroclor 1260	332.2	284.2	86	3	20 25-125

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III PCB

000065

3781673

**COMPOSITE CONFIRMATION SAMPLE COLLECTED  
FOLLOWING EXCAVATION IN AREA C**

*Date Collected 10/02/98*

**RA-C-019 (Composite of Grids C1, C2, C3, C4 & C5)**



3781674  
ENVIRONMENTAL TESTING & CONSULTING, INC.  
2924 Walnut Grove Road • Memphis, TN 38111 • (901) 327-2750 • FAX (901) 327-6331

*Founded 1972*

October 6, 1998

Ms. Elena Rodriguez  
OHM Remediation Services  
5445 Triangle Parkway  
Suite 400  
Norcross, GA 30092

Ref: Analytical Testing  
ETC Order # 9810086  
Project Description DDMT

Project # 20560 Defense Depot - Memphis, TN

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods 17th/18th Edition; The Solid Waste Manual SW-846; EPA Methods for the Analysis of Water and Wastes and/or 40 CFR part 136.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact our office if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nathan A. Pera, IV'.

Nathan A. Pera, IV  
Chief Executive Officer

rt  
Attachment

OHM\_DDMT

Chemical Analytical Data  
Review/Evaluation/Validation

Report Type [ ] Preliminary ☒ Final Date Received: \_\_\_\_\_ Project Number: 20560  
Project Name DDMT Analysis/Method: TCL Post/PLB, PAH, AA  
Laboratory: ETC Memphis <sup>Memphis, TN</sup> Lab Project/Case Number: 9310056  
Sample Number(s): RA-C-019

Evaluated By: S. Paranjape Date Evaluated: 2/1/99  
Data Package Deliverables Requirement: ☐ OHM Minimum ☒ OHM Standard ☐ OHM Maximum  
☐ Other, please describe

Quality Control Deliverables	Required	Received	Passed	Failed
PQL, MDL, RL, etc meets DQOs	✓		✓	
Comment:				
Holding Times			✓	
Comment:				
Sample Condition (preservatives, containers, temperature, etc) / Case Narrative	X		✓	
Comment:				
Surrogate Recoveries	X		✓	
Comment: One high in BNA, Allowable, data OK. DCB low on first Result. Flagged J. BNA - sample, ms, msd prove matrix interference				
Lab Control Sample Recoveries	X		✓	
Comment:				
Lab Control Sample Duplicate or Other Spike Recoveries	X			
Comment: N/A				
Lab Control Sample Duplicate or Other Laboratory Duplicate RPD	X			
Comment: N/A				
Matrix Spike Recoveries	X		✓	
Comment:				
Matrix Spike Duplicate Recoveries	X		✓	
Comment:				
Matrix Spike / Matrix Spike Duplicate RPD	X		✓	
Comment: High on BNA, LCS OK, data acceptable.				
Laboratory Blanks (daily, method, instrument)	X		✓	
Comment:				
Field Blanks (trip, eqpt rinse, ambient, matrix)	X			
Comment: N/A				

3781676

Quality Control Deliverables		Required	Received	Passed	Failed
Field Duplicates RPD		X			
Comment:	N/A				
Second Source Check		X		X	
Comment:	N/A				
Second Column Confirmation		✓		✓	
Comment:					
Percent Moisture/Solids				✓	
Comment:					
Initial / Continuing Calibrations		✓		✓	
Comment:	pest - control out of range, data flagged for surrogate no additional time applied - PCB-1260 data flag				
Internal Standard Areas and Retention Times (Organics Only)		✓		✓	
Comment:					
Chromatograms		✓		✓	
Comment:					
Sample Prep Worksheets		✓		✓	
Comment:					
Raw Data Calculations					
Comment:	N/A				
Laboratory Duplicates					
Comment:					
Instrument Performance Checks (Organics Only)		✓		✓	
Comment:					
Tentatively Identified Compounds (TICs)		✓		✓	
Comment:					
Completeness	# Samples	# Analyses	Tot # Analyses	Tot # Accept Analyses	% Complete
Completeness = (Tot # Analyses / Tot # Accepted Analyses) x 100	1	4	4	4	100
General Comments:					

Summary: ☐ See attached pages

pest and PCB-1260 flagged 'J' for surrogate recovery and cont calibration respectively All data acceptable

Check Applicable:

- ☐ Lab contacted--Corrective actions in process      Date Contacted: \_\_\_\_\_  
☐ Corrective actions received and accepted      Date Received/Accepted: \_\_\_\_\_  
☐ The data, as reported by the laboratory, are acceptable.  
☒ The data, with qualifiers as described in the "Summary" portion of this report, are acceptable.  
☐ The data are unacceptable.  
☐ Other \_\_\_\_\_

S. Paranjape  
 Evaluator's Signature

2/1/99  
 Date

**Environmental Testing & Consulting, Inc.**  
**Data Qualifiers for Organic Reporting**

Within the attached report, some analytical data may be reported as "Qualified Data" as indicated by a "Data Qualifier" next to the result. This table summarizes the possible "Data Qualifiers" that may be associated with this report.

<b>Q</b>	Surrogate Recovery Outside QC Limits
<b>J</b>	Estimated Value. Presence of the compound was confirmed but less than the reported detection limit.
<b>E</b>	Concentration exceeds the established method calibration range but is within the working range of the instrument.
<b>B</b>	Analyte detected in the associated Method Blank.
<b>U</b>	Reported result was unconfirmed. Refer to Case Narrative.
<b>N</b>	Non-Compliance Report associated with this sample or project.
<b>C</b>	Result reported from GC/MS confirmation analysis.
<b>NC</b>	Result reported from Primary Column. Result did not confirm.
<b>*</b>	QC Data (percent recovery/RPD for a particular analyte was outside QC Limits)

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ANALYTICAL SUMMARY TABLE****3781678**

Client Name **OHM Remediation Services**  
Site ID **DDMT**  
**Memphis, TN**

<b>ETC</b>				
<u>Sample ID</u>	<u>Field ID</u>	<u>Matrix</u>	<u>Method</u>	<u>Method Description</u>
981008601	RA-C-019	SOIL	6010B	Silver
981008601	RA-C-019	SOIL	6010B	Aluminum
981008601	RA-C-019	SOIL	7060A	Arsenic
981008601	RA-C-019	SOIL	8270C	GC/MS PAH
981008601	RA-C-019	SOIL	6010B	Barium
981008601	RA-C-019	SOIL	6010B	Beryllium
981008601	RA-C-019	SOIL	6010B	Calcium
981008601	RA-C-019	SOIL	6010B	Cadmium
981008601	RA-C-019	SOIL	9010A	Cyanide
981008601	RA-C-019	SOIL	6010B	Cobalt
981008601	RA-C-019	SOIL	6010B	Chromium
981008601	RA-C-019	SOIL	6010B	Copper
981008601	RA-C-019	SOIL	6010B	Iron
981008601	RA-C-019	SOIL	7471A	Mercury
981008601	RA-C-019	SOIL	6010B	Potassium
981008601	RA-C-019	SOIL	6010B	Magnesium
981008601	RA-C-019	SOIL	6010B	Manganese
981008601	RA-C-019	SOIL	6010B	Sodium
981008601	RA-C-019	SOIL	6010B	Nickel
981008601	RA-C-019	SOIL	8081A	Organochlorine Pesticides
981008601	RA-C-019	SOIL	7421	Lead
981008601	RA-C-019	SOIL	8082	PCBs
981008601	RA-C-019	SOIL	6010B	Antimony
981008601	RA-C-019	SOIL	7740	Selenium
981008601	RA-C-019	SOIL	7841	Thallium
981008601	RA-C-019	SOIL	6010B	Vanadium
981008601	RA-C-019	SOIL	6010B	Zinc

**Environmental Testing & Consulting, Inc.**

**3781679**

**Login**  
**Chain-of-Custody**

**000003**



3781680



**OHM Remediation  
Services Corp**  
Subsidiary of OHM Corporation  
U.S. Route 224 East • Findlay, Ohio 45840 • (419) 423-3526

## CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

218030

FORM (01/9 REV-97)

OHM LAB COORDINATOR Elena Rodriguez		LAB COORDINATOR'S PHONE 770-734-8060		LAB COORDINATOR'S FAX 770-453-7716		LABORATORY SERVICE ID ETC		LABORATORY CONTACT Nathan Pera		MAIL REPORT (COMPANY NAME) OHM Remediation Services Corp	
PROJECT NAME DDMT		PROJECT LOCATION Memphis TN		PROJECT NUMBER 20560		LABORATORY PHONE 901-327-2750		LABORATORY FAX 901-327-6334		RECIPIENT NAME Elena Rodriguez	
PROJECT CONTACT		PROJECT PHONE NUMBER		PROJECT FAX		LABORATORY ADDRESS		LABORATORY ADDRESS		ADDRESS	
Steve Offner		901-743-1117		901-743-1048		2924 Walnut Grove Road		2924 Walnut Grove Road		5445 Triangle Pkwy, #400	
PROJECT ADDRESS		CITY STATE AND ZIP CODE		CLIENT		CITY STATE AND ZIP CODE		CITY STATE AND ZIP CODE		CITY STATE AND ZIP CODE	
1708 Dunn Ave.		Memphis, TN 38114		USACE		Memphis, TN 38111		Memphis, TN 38111		Norcross, GA 30092	
PROJECT MANAGER		PROJECT MANAGER'S PHONE		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX		PROJECT MANAGER'S FAX	
Steve Offner		770-326-2571		770-453-7716		770-453-7716		770-453-7716		770-453-7716	

Item	Sample Identifier	Matrix		Date	Time	Preserved	# of Cont	OC Level	TAT	Comments
		Matrix	Matrix							
1	RA-C-019	Soil	18/2/98	1030	NA	4/24	OHM	5/24	3/24	Analyses
2										
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: Steve Eastman		COURIER AND AIR BILL NUMBER: 0100000000		COOLER TEMPERATURE UPON RECEIPT	
RELINQUISHED BY: Steve Eastman		RECEIVED BY: Steve Eastman		SAMPLE'S CONDITION UPON RECEIPT	
DATE: 10/1/98		DATE: 10/1/98		DATE: 10/1/98	
TIME: 1530		TIME: 1530		TIME: 1530	

Distribution		White - Laboratory (To be returned with Analytical Report)		Goldenrod - Project File, Yellow - Project Data Manager	
--------------	--	--	--	---	--

3781681

## COOLER RECEIPT FORM

Cooler Receipt Form  
9810086 CRF p 1

LIMS # 9810-086 Number of Coolers 1  
 Date Received 10/2/98  
 VDTSR 10/2/98 15 30  
 PROJECT DDMT/Memphis, TN

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS

A PRELIMINARY EXAMINATION PHASE Date cooler was opened 10/2/98  
 by (print) Lynette Bugg (sign) Lynette Bugg

1 Did cooler come with a shipping slip (airbill, etc )? NO  
 If YES, enter carrier name & airbill number \_\_\_\_\_

2a Were custody seals on outside of cooler? NO  
 2b Were custody seals on sample containers? NO

3 Were custody seals unbroken and intact at the date and time of arrival? NA

4 Did you screen samples for radioactivity using a Geiger Counter? NO

5 Were custody papers sealed in a plastic bag & taped inside to the lid? NO

6 Were custody papers filled out properly (ink, signed, etc )? YES

7 Did you sign custody papers in the appropriate place? YES

8 Was project identifiable from custody papers? If YES, enter project name at top of this form YES

9 If required, was enough ice used? cooler temp <4°C, Type of ice Bagged YES

10 Have designated person initial here to acknowledge receipt of cooler LB date 10/2/98

B LOG-IN PHASE Date samples were logged-in 10/2/98  
 by (print) Lynette Bugg (sign) Lynette Bugg

11 Describe type of packing in cooler Bubble Wrap and Ice

12 Were all bottles sealed in separate plastic bags? YES

13 Did all bottles arrive unbroken and were labels in good condition? YES

14 Were all bottle labels complete (ID, date, time, signature, preserved, etc )? YES

15 Did all bottle labels agree with custody papers? YES

16 Were correct containers used for the tests indicated? YES

17 Were correct preservatives added to samples? YES

18 Was a sufficient amount of sample sent for tests indicated? YES

19 Were bubbles absent in VOA samples? If NO, list by sample# \_\_\_\_\_ NA

20 Was the project manager called and status discussed? If YES, give details on the back of this form NO

21 Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ (date) \_\_\_\_\_

VDTSR - Validated Date/Time of Sample Receipt (Date sample is logged into LIMS system)

000005

3781682

**Environmental Testing & Consulting, Inc.**

## **Sample Reports**

000006

3781683

ENVIRONMENTAL TESTING & CONSULTING, INC.  
Memphis, TN  
INORGANIC ANALYSIS DATA SHEET  
PERCENT SOLIDS

Client Name :OHM Remediation Services  
Project Name :DDMT  
Memphis, TN

Matrix :SOIL

Date Sample Received :10/02/98

Contract Laboratory Order Number :9810-086

<u>Contract Lab</u> <u>Sample No</u>	<u>Client Sample</u> <u>ID</u>	<u>Date</u> <u>Sampled</u>	<u>Result</u> <u>Units : (%)</u>	<u>Date</u> <u>Analyzed</u>	<u>Method</u>	<u>By</u>
9810-086-01	RA-C-019	10/02/98	91	10/05/98	160.3	MC

  
LABORATORY MANAGER

000007

3781684

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**INORGANIC ANALYSIS DATA SHEET**

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**  
Site ID **DDMT**  
**Memphis, TN**

Project # 20560

Date Arrived 10/02/98  
ETC Order Number 9810086

ETC Lab ID **9810086-01**  
**Sample ID: RA-C-019**

Matrix :SOIL  
Sample Date :10/02/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Cyanide	ND	mg/Kg	1.00	09 10	10/05/98 GD	9010A

  
LABORATORY MANAGER

000008

3731685

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**INORGANIC ANALYSIS DATA SHEET**

Client Name OHM Remediation Services  
 Defense Depot - Memphis, TN  
 5445 Triangle Parkway  
 Suite 400  
 Norcross, GA 30092

Project # 20560

Site ID DDMT  
 Memphis, TN

Date Arrived 10/02/98  
 ETC Order Number 9810086

ETC Lab ID 9810086-01  
**Sample ID: RA-C-019**

Matrix :SOIL  
 Sample Date :10/02/98

TEST	RESULT	UNITS	DETECTION LIMIT	TIME ANALYZED	DATE ANALYZED BY	METHOD
Metals Digestion Batch	V8-SO-43				NR	3051
Mercury Digestion Batch	V4-SO-37				RM	7471A
Silver	ND	mg/Kg	0.700	13:09	10/06/98	TD 6010B
Aluminum	11,100	mg/Kg	4.00	13:35	10/06/98	TD 6010B
Arsenic	12.4	mg/Kg	0.200	11:20	10/06/98	JF 7060A
Barium	132	mg/Kg	0.200	13:09	10/06/98	TD 6010B
Beryllium	0.547	mg/Kg	0.100	13:09	10/06/98	TD 6010B
Calcium	2,100	mg/Kg	1.00	13:09	10/06/98	TD 6010B
Cadmium	ND	mg/Kg	0.400	13:09	10/06/98	TD 6010B
Cobalt	9.09	mg/Kg	0.700	13:09	10/06/98	TD 6010B
Chromium	15.0	mg/Kg	0.700	13:09	10/06/98	TD 6010B
Copper	18.8	mg/Kg	0.600	13:09	10/06/98	TD 6010B
Iron	20,200	mg/Kg	0.700	13:35	10/06/98	TD 6010B
Mercury	0.042	mg/Kg	0.020	14:38	10/06/98	RM 7471A
Potassium	907	mg/Kg	20.0	13:09	10/06/98	TD 6010B
Magnesium	2,180	mg/Kg	3.00	13:09	10/06/98	TD 6010B
Manganese	697	mg/Kg	0.200	13:09	10/06/98	TD 6010B
Sodium	66.0	mg/Kg	20.0	13:09	10/06/98	TD 6010B
Nickel	17.2	mg/Kg	1.50	13:09	10/06/98	TD 6010B
Lead	26.0	mg/Kg	0.100	12:50	10/06/98	TD 7421
Antimony	ND	mg/Kg	3.20	13:09	10/06/98	TD 6010B
Selenium	ND	mg/Kg	0.200	13:07	10/06/98	JF 7740
Thallium	0.250	mg/Kg	0.100	15:13	10/06/98	JF 7841
Vanadium	22.7	mg/Kg	0.800	13:09	10/06/98	TD 6010B
Zinc	81.5	mg/Kg	1.00	13:09	10/06/98	TD 6010B

  
 LABORATORY MANAGER

000009

**ENVIRONMENTAL TESTING & CONSULTING, INC.**  
2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750  
**ORGANIC ANALYSIS DATA SHEET**

3781686

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**  
Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 10/02/98  
ETC Order Number 9810086

ETC Lab ID 9810086-01  
**Sample ID: RA-C-019**

Matrix :SOIL  
Sample Date :10/02/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
GC/MS PAH				10/05/98	10/05/98	RR	8270C
QC Batch	P04047	ug/Kg					
Acenaphthene	ND	ug/Kg	67.0				
Acenaphthylene	ND	ug/Kg	67.0				
Anthracene	ND	ug/Kg	67.0				
Benzo(a)anthracene	135	ug/Kg	67.0				
Benzo(b)fluoranthene	325	ug/Kg	67.0				
Benzo(k)fluoranthene	197	ug/Kg	67.0				
Benzo(g,h,i)perylene	ND	ug/Kg	67.0				
Benzo(a)pyrene	208	ug/Kg	67.0				
Chrysene	248	ug/Kg	67.0				
Dibenzo(a,h)anthracene	ND	ug/Kg	67.0				
Fluoranthene	176	ug/Kg	67.0				
Fluorene	ND	ug/Kg	67.0				
Indeno(1,2,3-cd)pyrene	147	ug/Kg	67.0				
Naphthalene	ND	ug/Kg	67.0				
Phenanthrene	ND	ug/Kg	67.0				
Pyrene	180	ug/Kg	67.0				

Surrogate Standard	% Recovery	QC Limits
S1 - Nitrobenzene-d5	76	39 80
S2 - 2-Fluorobiphenyl	91 Q	43 84
S3 - 4-Terphenyl-d14	68	40 121

  
LABORATORY MANAGER

ND - Not Detected

000010

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

**3781687**  
CLIENT SAMPLE NO.

9810-086-1

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-086

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: 1201013

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 10/05/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

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

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 99-12-7	5-NITRO-M-XYLENE	11.49	161	NJ
2. 57-10-3	HEXADECANOIC ACID	12.11	363	NJ
3. 27554-26-3	1,2-BENZENEDICARBOXYLIC ACID	16.24	376	NJ
4.				
5.				
6.				
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30.				

FORM I BNA-GCMS-TIC

**000011**



**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781688

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Site ID **DDMT**  
**Memphis, TN**

Project # 20560  
FID # DACA45-96-D-0014

Date Arrived 10/02/98  
ETC Order Number 9810086

ETC Lab ID 9810086-01  
**Sample ID: RA-C-019**

Matrix :SOIL  
Sample Date :10/02/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
Organochlorine Pesticides							
				10/05/98	10/09/98	RG	8081A
QC Batch	P06024	ug/Kg					
Aldrin	ND	ug/Kg	2.00				
Alpha-BHC	ND	ug/Kg	2.00				
Beta-BHC	ND	ug/Kg	2.00				
Delta-BHC	ND	ug/Kg	2.00				
Gamma-BHC (Lindane)	ND	ug/Kg	2.00				
Alpha-Chlordane	ND	ug/Kg	2.00				
Gamma-Chlordane	ND	ug/Kg	2.00				
Chlordane	ND	ug/Kg	20.0				
4,4'-DDD	ND	ug/Kg	2.00				
4,4'-DDE	19.4	ug/Kg	2.00				
4,4'-DDT	25.3	ug/Kg	2.00				
Dieldrin	90.4	ug/Kg	2.00				
Endosulfan I	ND	ug/Kg	2.00				
Endosulfan II	ND	ug/Kg	2.00				
Endosulfan Sulfate	ND	ug/Kg	2.00				
Endrin	ND	ug/Kg	2.00				
Endrin Aldehyde	ND	ug/Kg	2.00				
Endrin Ketone	ND	ug/Kg	2.00				
Heptachlor	ND	ug/Kg	2.00				
Heptachlor Epoxide	ND	ug/Kg	2.00				
Methoxychlor	ND	ug/Kg	2.00				
Toxaphene	ND	ug/Kg	200				

Surrogate Standard	% Recovery	QC Limits	
S1 - Decachlorobiphenyl	55 Q	64	154
S2 - Tetrachloro-m-xylene	81	39	130

  
LABORATORY MANAGER

ND - Not Detected

600012

**ENVIRONMENTAL TESTING & CONSULTING, INC.**

2924 Walnut Grove Road - Memphis, TN 38111 - (901)327-2750

**ORGANIC ANALYSIS DATA SHEET**

3781689

Client Name **OHM Remediation Services**  
**Defense Depot - Memphis, TN**  
**5445 Triangle Parkway**  
**Suite 400**  
**Norcross, GA 30092**

Project # 20560  
FID # DACA45-96-D-0014

Site ID DDMT  
Memphis, TN

Date Arrived 10/02/98  
ETC Order Number 9810086

ETC Lab ID 9810086-01  
**Sample ID: RA-C-019**

Matrix :SOIL  
Sample Date :10/02/98

TEST	RESULT	UNITS	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	BY	METHOD
PCBs							8082
				10/05/98	10/06/98	RG	
QC Batch	P06024	ug/Kg					
PCB-1016	ND	ug/Kg	35.0				
PCB-1221	ND	ug/Kg	35.0				
PCB-1232	ND	ug/Kg	35.0				
PCB-1242	ND	ug/Kg	35.0				
PCB-1248	ND	ug/Kg	35.0				
PCB-1254	ND	ug/Kg	35.0				
PCB-1260	ND	ug/Kg	35.0				
<b>Surrogate Standard</b>							
		<b>% Recovery</b>	<b>QC Limits</b>				
S1 - Tetrachloro-m-xylene	77		39	130			
S2 - Decachlorobiphenyl	117		64	154			

  
LABORATORY MANAGER

ND - Not Detected

000013

3781690

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports  
Inorganics**

000014

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
INORGANICS

3781691

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086

**HOLDING TIMES**

Sample Analysis : All samples analyzed within Method Specified  
Holding Times.

**CALIBRATION**

Laboratory Control Sample : All criteria met.

**QUALITY CONTROL**

Matrix Spike

Spike Recovery : All analytes within QC limits

Method Blank

No Target Analytes detected above Detection Limit.

  
Laboratory Manager

000015

3781692

**Environmental Testing & Consulting, Inc.**  
**Inorganic QC Data Summary**

**Client Name** OHM Remediation Services  
**Project** DDMT-Memphis, TN

**ETC Order Number** 9810-086-01  
**File Name** 9810-086-01 1

**Method Blank**

Analyte	Date Analyzed	Blank Concentration mg/Kg	QC Batch
Cyanide	10/05/98	<1.00	CY100598

**Calibration Verification (CV)**

Analyte	Date Analyzed	CV Conc mg/L	CV Conc Found	% Difference
Cyanide	10/05/98	0.200	0.213	6.5

**Laboratory Control Sample (LCS)**

Analyte	Date Analyzed	LCS Conc mg/Kg	LCS Conc Found	% Recovery
Cyanide	10/05/98	20.0	19.6	98.0

**Matrix Spike/Matrix Spike Duplicate**

Sample ID	Analyte	Spike mg/Kg	Sample mg/Kg	MS Conc Found	MS % Recovery	QC Limits	RPD
9810-042-01 MS	Cyanide	18.9	<1.00	18.6	98	70 - 130	
9810-042-01 MSD	Cyanide	19.2	<1.00	19.3	101	70 - 130	3

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3781693

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**Metals (ICP/GFAA/CV)**

000017

3781694

ENVIRONMENTAL TESTING AND CONSULTING, INC  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086

**HOLDING TIMES**

QC Batch(s) for this order : ICP/GFAA V8-SO-43  
Mercury V4-SO-37

Sample Analysis : All samples digested and analyzed within 180 days of collection.  
Mercury Analysis : All samples analyzed within 28 days of collection.

**CALIBRATION**

Initial Calibration : All criteria met.  
Continuing Calibration : All criteria met.

**SAMPLE ANALYSIS**

Instrumentation : Thermo Jarrell Ash Enviro-I ICP  
Varian 640Z Zeeman Graphite Furnace  
Perkin Elmer 5100ZL Graphite Furnace  
Perkin Elmer 6000 Graphite Furnace  
Thermo Jarrell Ash AA-Scan 4 Graphite Furnace  
CETAC M-6000A Mercury Analyzer

Dilutions Required : No dilutions required.\*

\*  
Due to low recoveries and failing Post Digestion Spike, all Selenium data was reported based on the Method of Standard Additions.

Dilutions were performed on several samples to bring the Target Analyte(s) within calibration range (C) or to remove spectral interference (I) as indicated.

Sample ID	Metal	Dilution Factor	Sample ID	Metal	Dilution Factor
9810-086-01	Arsenic	1:2 (C)	9810-086-01	Iron	1:5 (C)
9810-086-01	Aluminum	1:5 (C)	9810-086-01	Lead	1:6 (C)

**QUALITY CONTROL**

**9810-086.MQCBLANK**

Method Blank

V8-SO-43BLK - ICP/GFAA Metals  
V4-SO-37BLK - Mercury

Calcium identified in V8-SO-43BLK at 3.60 mg/Kg.  
Iron identified in V8-SO-43BLK at 1.40 mg/Kg.

**9810-086.MQCLCS**

Laboratory Control Sample(s)

V8-SO-43LCS - ICP/GFAA Metals  
V4-SO-37LCS - Mercury

All criteria met.

000018

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

3781695

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086

QUALITY CONTROL

9810-086.MQCMSMSD

Matrix Spike / Matrix Spike Dup - ICP Metals

9810-086-01 RPD : All analytes within QC limits.  
RA-C-019 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Antimony were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. A Post Digestion Spike was performed for verification :

Analyte	mg/L Expected	mg/L Found	% Recovery	QA Evaluation
Antimony	0.500	0.479	96	Pass

Recoveries for multiple analytes were flagged as outside QC Limits due to the level of these analytes present in the sample relative to the spike amounts. In addition, concentrations of other analytes were high relative to the spike amounts. Dilution Tests were performed for verification .

Analyte	No Dilution	1:5 Dilution	1:25 Dilution	% Difference	QA Evaluation
Aluminum	-----	11100 mg/Kg	11200 mg/Kg	1	Pass
Calcium	2100	2150	-----	2	Pass
Iron	-----	20200	20200	0	Pass
Manganese	697	699	-----	0	Pass
Potassium	907	923	-----	2	Pass
Magnesium	2180	2180	-----	0	Pass
Zinc	81.5	81.0	-----	1	Pass

Refer to Laboratory Control Sample(s) for system verification.

Matrix Spike / Matrix Spike Dup - Graphite Metals

9810-086-01 RPD : All analytes within QC limits.  
RA-C-019 Spike Recovery : All analytes within QC limits.\*  
\*

Recoveries for Arsenic and Lead were flagged as outside QC Limits due to the level of these analytes present relative to the spike amount. Dilution Tests were performed for verification :

Analyte	1:2 Dilution	1:10 Dilution	% Difference	QA Evaluation
Arsenic	12.4 mg/Kg	12.4 mg/Kg	0	Pass

Analyte	1:6 Dilution	1:30 Dilution	% Difference	QA Evaluation
Lead	26.0 mg/Kg	24.7 mg/Kg	5	Pass

Recoveries for Selenium were flagged as outside QC Limits in the Matrix Spike and Matrix Spike Duplicate. The Post Digestion Spike failed evaluation criteria. All data was reported based on MSA.

Refer to Laboratory Control Sample(s) for system verification.

000019



3781696

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
METALS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086

QUALITY CONTROL

Matrix Spike / Matrix Spike Dup - Hg

9810-094-01

RPD : All analytes within QC limits.

Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Dilution Test - Dilution result must agree within 10% of original  
result when sample is diluted by a factor of 5.

Post Digestion Spike - Recovery must be +/-15% of expected value.

  
Laboratory Manager

000020

SOLID METHOD BLANK  
METALS

3781697

Lab Name

Environmental Testing and Consulting, Inc

Laboratory ID ICP/GFAA Metals

V8-SO-43 BLK

QC Batch

Laboratory ID Mercury

V4-SO-34 BLK

V8-SO-43

V4-SO-34

Date Sample Prepared

10/05/98

ICP/GFAA Metals

10/06/98

Mercury

Metals	Concentration mg/Kg	Detection Limit mg/Kg	Date Analyzed	Method
Silver	<0.700	0.700	10/06/98	6010B
Aluminum	<4.00	4.00	10/06/98	6010B
Arsenic	<0.200	0.200	10/06/98	7060A
Barium	<0.200	0.200	10/06/98	6010B
Beryllium	<0.100	0.100	10/06/98	6010B
Calcium	3.60	1.00	10/06/98	6010B
Cadmium	<0.400	0.400	10/06/98	6010B
Cobalt	<0.700	0.700	10/06/98	6010B
Chromium	<0.700	0.700	10/06/98	6010B
Copper	<0.600	0.600	10/06/98	6010B
Iron	1.40	0.700	10/06/98	6010B
Potassium	<20.0	20.0	10/06/98	6010B
Magnesium	<3.00	3.00	10/06/98	6010B
Manganese	<0.200	0.200	10/06/98	6010B
Sodium	<20.0	20.0	10/06/98	6010B
Nickel	<1.50	1.50	10/06/98	6010B
Lead	<0.100	0.100	10/06/98	7421
Antimony	<3.20	3.20	10/06/98	6010B
Selenium	<0.200	0.200	10/06/98	7740
Thallium	<0.100	0.100	10/06/98	7841
Vanadium	<0.800	0.800	10/06/98	6010B
Zinc	<1.00	1.00	10/06/98	6010B
Mercury	<0.020	0.020	10/06/98	7471A

Metals Blank

9810-086 mqcBLANK

000021

3781698

SOLID LABORATORY CONTROL SAMPLE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory Control ID	ICP/GFAA Metals	V8-SO-43	LCS	QC Batch
	Mercury	V4-SO-34	LCS	V8-SO-43
				V4-SO-34

Date Prepared	ICP/GFAA Metals	10/05/98	
	Mercury	10/06/98	

Metals	Spike Added mg/Kg	Found mg/Kg	% R	#	QC Limits	
Silver	20 0	22 0	110		80	120
Aluminum	200	217	109		80	120
Arsenic	5 00	4 90	98		85	115
Barium	200	217	109		80	120
Beryllium	20 0	21 6	108		80	120
Calcium	400	454	114		80	120
Cadmium	20 0	22 2	111		80	120
Cobalt	100	112	112		80	120
Chromium	40 0	45 7	114		80	120
Copper	40 0	44 5	111		80	120
Iron	200	227	114		80	120
Potassium	400	444	111		80	120
Magnesium	400	440	110		80	120
Manganese	20 0	22 7	114		80	120
Sodium	400	454	114		80	120
Nickel	100	112	112		80	120
Lead	2 00	1 87	94		85	115
Antimony	200	222	111		80	120
Selenium	5 00	5 05	101		85	115
Thallium	2 00	1 98	99		85	115
Vanadium	100	112	112		80	120
Zinc	20 0	22 4	112		80	120
Mercury	0 167	0 163	98		80	120

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Metals Laboratory Control Sample

9810-086 mqcLCS

000022

3781699

SOLID MATRIX SPIKE  
METALS

Lab Name Environmental Testing and Consulting, Inc

		QC Batch
Laboratory ID MS ICP/GFAA Metals	9810-086-01	V8-SO-43
Laboratory ID MS Mercury	9810-094-01	V4-SO-34

Date Sample Prepared	10/05/98	ICP/GFAA Metals
	10/06/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MS Conc mg/Kg	RPD <20% #	MS % Rec #	QC Limits	
Silver	20.7	ND	20.7	2	100	75	125
Aluminum	207	11100	11300	18	97	75	125
Arsenic	5.49	12.4	19.2	5	124	70	130
Barium	207	132	341	6	101	75	125
Beryllium	20.7	0.547	21.4	5	101	75	125
Calcium	415	2100	2700	3	145 *	75	125
Cadmium	20.7	ND	21.5	0	104	75	125
Cobalt	104	9.09	116	4	103	75	125
Chromium	41.5	15.0	57.9	6	103	75	125
Copper	41.5	18.8	60.5	7	101	75	125
Iron	207	20200	20700	10	242 *	75	125
Potassium	415	907	1280	17	90	75	125
Magnesium	415	2180	2700	5	125 *	75	125
Manganese	20.7	697	662	15	-169 *	75	125
Sodium	415	66.0	509	3	107	75	125
Nickel	104	17.2	125	3	104	75	125
Lead	2.20	26.0	27.0	13	46 *	70	130
Antimony	207	ND	0		0 *	75	125
Selenium	5.49	0.419	3.84	3	62 *	70	130
Thallium	2.20	0.250	2.33	3	95	70	130
Vanadium	104	22.7	120	6	94	75	125
Zinc	20.7	81.5	106	2	118	75	125
Mercury	0.198	0.021	0.211	9	96	75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits ND - Not Detected

Metals Matrix Spike

9810-086 mqcMSMSD

000023

3781700

SOIL MATRIX SPIKE DUPLICATE  
METALS

Lab Name Environmental Testing and Consulting, Inc

Laboratory ID MS ICP/GFAA Metals	9810-086-01	QC Batch
Laboratory ID MS Mercury	9810-094-01	V8-SO-43
		V4-SO-34

Date Sample Prepared	10/05/98	ICP/GFAA Metals
	10/06/98	Mercury

Metals	SPIKE Added mg/Kg	SAMPLE Conc mg/Kg	MSD Conc mg/Kg		MSD % Rec	#	QC Limits	
Silver	21.5	ND	21.2		99		75	125
Aluminum	215	11100	13500		1116	*	75	125
Arsenic	5.39	12.4	20.1		143	*	70	130
Barium	215	132	361		107		75	125
Beryllium	21.5	0.547	22.4		102		75	125
Calcium	431	2100	2790		160	*	75	125
Cadmium	21.5	ND	21.5		100		75	125
Cobalt	108	9.09	121		104		75	125
Chromium	43.1	15.0	61.6		108		75	125
Copper	43.1	18.8	65.2		108		75	125
Iron	215	20200	22800		1209	*	75	125
Potassium	431	907	1520		142	*	75	125
Magnesium	431	2180	2830		151	*	75	125
Manganese	21.5	697	772		349	*	75	125
Sodium	431	66.0	527		107		75	125
Nickel	108	17.2	129		104		75	125
Lead	2.15	26.0	23.8		-102	*	70	130
Antimony	215	ND	0		0	*	75	125
Selenium	5.39	0.419	3.73		61	*	70	130
Thallium	2.15	0.250	2.25		93		70	130
Vanadium	108	22.7	127		97		75	125
Zinc	21.5	81.5	108		123		75	125
Mercury	0.177	0.021	0.192		97		75	125

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

ND - Not Detected

Metals Matrix Spike Duplicate

9810-086 mqcMSMSD

000024

3781701

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC/MS Semi-Volatiles**

000025

3781702

ENVIRONMENTAL TESTING AND CONSULTING, INC  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS POLYAROMATIC HYDROCARBONS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8270C/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P04047 P04047LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recoveries for Nitrobenzene-d5 and 2-Fluorobiphenyl were  
flagged as outside QC Limits in sample 9810-086-01MS(RA-C-019).  
Review of the raw data showed interference from Target Analytes  
present in the sample.

Surrogate recoveries for 2-Fluorobiphenyl were flagged as outside QC  
Limits in several samples associated with this project.

Laboratory Control Sample FORM 3  
P04047LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-086-01 RPD : All analytes within QC limits.\*  
RA-C-019 Spike Recovery : All analytes within QC limits.  
\*  
RPDs for multiple analytes were flagged as outside QC Limits due to  
higher recovery in the Matrix Spike.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P04047LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

DFTPP Daily 12 Hour Tune : All criteria met. FORM 5  
Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7

Semi-Volatile Internal Standard Area and RT FORM 8  
Daily Check Standard(s) Internal Standard Areas and Retention Times  
within QC limits.

000026

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC/MS POLYAROMATIC HYDROCARBONS - SOIL

3781703

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8270C/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC, 5971MSD  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000027



3781704

FORM 2  
SOIL BNA-GCMS SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-086

Level:(low/med) LOW

	CLIENT SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P04047LB	79	93*	72						1
02	P04047 LCS	76	99*	72						1
03	9810-086-1MS	84*	118*	88						2
04	9810-086-1MS	72	97*	70						1
05	9810-086-1	76	91*	68						1
06										
07										
08										
09										
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26										
27										
28										
29										
30										

S1 (NBZ) = Nitrobenzene-d5  
 S2 (FBP) = 2-Fluorobiphenyl  
 S3 (TPH) = Terphenyl-d14

QC LIMITS  
 (39- 80)  
 (43- 84)  
 (40-121)

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

000028

FORM 4  
BNA-GCMS METHOD BLANK SUMMARY

3781705

CLIENT SAMPLE NO

P04047LB

Lab Name: ETC, INC.

Lab Prep Batch: P04047

SDG No.: 9810-086

Lab File ID: 0801009

Instrument ID: BNA2

Matrix: (soil/water) SOIL

Date Analyzed: 10/05/98

Level:(low/med) LOW

Time Analyzed: 1527

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P04047 LCS		0901010	10/05/98
02	9810-086-1MS		1001011	10/05/98
03	9810-086-1MS		1101012	10/05/98
04	9810-086-1		1201013	10/05/98
05				
06				
07				
08				
09				
10				
11				
12				
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29				
30				

COMMENTS:

3781706

FORM 1  
BNA-GCMS ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

P04047LB

Lab Name: ETC, INC.

SDG No.: 9810-086

Matrix: (soil/water) SOIL

Lab Prep Batch: P04047

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 0801009

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 10/05/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
83-32-9	Acenaphthene	66.7	U	
208-96-8	Acenaphthylene	66.7	U	
120-12-7	Anthracene	66.7	U	
56-55-3	Benzo(a)Anthracene	66.7	U	
205-99-2	Benzo(b)fluoranthene	66.7	U	
207-08-9	Benzo(k)fluoranthene	66.7	U	
191-24-2	Benzo(g,h,i)perylene	66.7	U	
50-32-8	Benzo(a)pyrene	66.7	U	
218-01-9	Chrysene	66.7	U	
53-70-3	Dibenzo(a,h)anthracene	66.7	U	
206-44-0	Fluoranthene	66.7	U	
86-73-7	Fluorene	66.7	U	
193-39-5	Indeno(1,2,3-cd)pyrene	66.7	U	
91-57-6	2-Methylnaphthalene	66.7	U	
91-20-3	Naphthalene	66.7	U	
85-01-8	Phenanthrene	66.7	U	
129-00-0	Pyrene	66.7	U	

FORM I BNA-GCMS

000030

FORM 3  
SOIL BNA-GCMS LABORATORY CONTROL SAMPLE

3781707

Lab Name: ETC, INC.

Lab Prep Batch: P04047

SDG No.: 9810-086

Matrix Spike - Sample No.: P04047 LCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1670		1390	83	34-126
Acenaphthylene	1670		1540	92	62-123
Anthracene	1670		1330	80	68-124
Benzo(a)Anthracene	1670		1480	89	60-133
Benzo(b)fluoranthene	1670		1500	90	67-126
Benzo(k)fluoranthene	1670		1780	106	75-131
Benzo(g,h,i)perylene	1670		1370	82	53-137
Benzo(a)pyrene	1670		1470	88	68-129
Chrysene	1670		1310	78	67-131
Dibenzo(a,h)anthracene	1670		1160	69	51-138
Fluoranthene	1670		1400	84	71-132
Fluorene	1670		1400	84	65-126
Indeno(1,2,3-cd)pyrene	1670		1250	75	34-170
Naphthalene	1670		1180	71	62-113
Phenanthrene	1670		1380	83	66-128
Pyrene	1670		1380	83	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 16 outside limits

COMMENTS:

3781708

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P04047

SDG No.: 9810-086

Matrix Spike - Sample No.: 9810-086-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1660	0.00	1640	99	34-126
Acenaphthylene	1660	0.00	1820	110	62-123
Anthracene	1660	0.00	1670	101	68-124
Benzo(a)Anthracene	1660	123	2000	113	60-133
Benzo(b)fluoranthene	1660	296	2060	106	67-126
Benzo(k)fluoranthene	1660	179	2220	123	75-131
Benzo(g,h,i)perylene	1660	0.00	2040	123	53-137
Benzo(a)pyrene	1660	189	1900	103	68-129
Chrysene	1660	226	1860	98	67-131
Dibenzo(a,h)anthracene	1660	0.00	1710	103	51-138
Fluoranthene	1660	160	1860	102	71-132
Fluorene	1660	0.00	1670	101	65-126
Indeno(1,2,3-cd)pyrene	1660	134	2000	112	34-170
Naphthalene	1660	0.00	1330	80	62-113
Phenanthrene	1660	0.00	1790	108	66-128
Pyrene	1660	164	1890	104	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

COMMENTS:

FORM 3  
SOIL BNA-GCMS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781709

Lab Name: ETC, INC.

Lab Prep Batch: P04047

SDG No.: 9810-086

Matrix Spike - Sample No.: 9810-086-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	1650	1330	81	20	20	34-126
Acenaphthylene	1650	1490	90	20	20	62-123
Anthracene	1650	1320	80	23*	20	68-124
Benzo(a)Anthracene	1650	1520	85	28*	20	60-133
Benzo(b)fluoranthene	1650	1710	86	21*	20	67-126
Benzo(k)fluoranthene	1650	1700	92	29*	20	75-131
Benzo(g,h,i)perylene	1650	1630	99	22*	20	53-137
Benzo(a)pyrene	1650	1570	84	20	20	68-129
Chrysene	1650	1380	70	33*	20	67-131
Dibenzo(a,h)anthracene	1650	1350	82	23*	20	51-138
Fluoranthene	1650	1430	77	28*	20	71-132
Fluorene	1650	1350	82	21*	20	65-126
Indeno(1,2,3-cd)pyrene	1650	1640	91	21*	20	34-170
Naphthalene	1650	1090	66	19	20	62-113
Phenanthrene	1650	1370	83	26*	20	66-128
Pyrene	1650	1410	76	31*	20	33-155

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 12 out of 16 outside limits

Spike Recovery: 0 out of 32 outside limits

COMMENTS:

3781710

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC Pesticides**

000034

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781711

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8081A/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06024 P06024LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.\*  
\*

Surrogate recovery for Decachlorobiphenyl was flagged as outside QC Limits in sample 9810-086-01(RA-C-019). Review of extraction information and the raw data showed no obvious matrix interference. This sample was re-analyzed for verification with recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06024LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-086-01 RPD : All analytes within QC limits.\*  
RA-C-019 Spike Recovery : All analytes within QC limits.  
\*  
RPD for Dieldrin was flagged as outside QC Limits due to higher recovery in the Matrix Spike.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06024LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*  
Endrin/Breakdown : All criteria met. FORM 7  
\*

Calibration Verification(CV) : P110061A.22R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	22.8	High
Endrin	23.2	Low
Endrin aldehyde	32.2	High
Endrin ketone	25.6	High
Methoxychlor	20.3	High

000035



ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicate that reported levels for these analytes may be biased high. Recoveries for these analytes were within QC Limits in P06024LCS and MS/MSD associated with this project. The data was not affected.

Calibration Verification(CV) : P110061A.23R (Primary)

Analyte	%Diff(15% Max)	Response
4,4'-DDT	20.2	High
Endrin	25.6	Low
Endrin aldehyde	32.2	High
Endrin ketone	17.5	High
Heptachlor	15.9	High
Methoxychlor	20.0	High

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicate that reported levels for these analytes may be biased high. Recoveries for these analytes were within QC Limits in P06024LCS and MS/MSD associated with this project. The data was not affected.

Calibration Verification(CV) : P110081B.32R (Primary)

Analyte	%Diff(15% Max)	Response
Endrin	35.5	Low
Endrin aldehyde	45.5	High
Endrin ketone	28.5	High
Heptachlor	17.5	High

Low response for Endrin indicates that reported level for this analyte may be biased low. High responses indicate that reported levels for these analytes may be biased high. These analytes were not identified in sample associated with this project. Recoveries for these analytes were within QC Limits in P06024LCS and MS/MSD associated with this project. The data was not affected.

Calibration Verification(CV) : P110081A.32R (Confirmation)

Several compounds were flagged for high responses for this CV. High responses indicate that reported levels for these analytes may be biased high. Results were reported from the primary analysis. The data was not affected.

Calibration Verification(CV) : P110121A.31R (Primary)

Several compounds were flagged for high responses for this CV. High responses indicate that reported levels for these analytes may be biased high. Results for 4,4'-DDT and Dieldrin were reported from sequence P110121A associated with this CV. Recoveries for 4,4'-DDT and Dieldrin were within QC Limits in this CV. Surrogate recoveries were also taken from this analysis. The data was not affected.

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PESTICIDES - SOIL

3781713

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8081A/3550B

**CALIBRATION**

Calibration Verification(CV) : P110121B.31R (Confirmation)

Several compounds were flagged for high responses for this CV. High responses indicate that reported levels for these analytes may be biased high. Results were taken from the primary analysis. The data was not affected.

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.\*

\*  
Dilution of 1:10 was performed on sample 9810-086-01 to bring 4,4'-DDT and Dieldrin within calibration range.

  
Laboratory Manager

330037

3781714

FORM 2  
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-086

Level:(low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06024LB	73	87							0
02	P06024LCS	80	103							0
03	9810-086-1	81	55*							1
04	9810-086-1MS	80	74							0
05	9810-086-1MS	88	97							0
06	9810-086-1	86	111							0
07										
08										
09										
10										
11										
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27										
28										
29										
30										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)

S2 (DBC) = Decachlorobiphenyl (64-154)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

000038

FORM 4  
PESTICIDE METHOD BLANK SUMMARY

3781715

EPA GC SAMPLE NO

P06024LB

Lab Name: ETC, INC.

Lab Prep Batch: P06024

SDG No.: 9810-086

Lab File ID: P110061A-14R

Instrument ID: PEST1A

Matrix: (soil/water) SOIL

Date Analyzed: 10/07/98

Level: (low/med) LOW

Time Analyzed: 0111

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06024LCS		P110061A-19R	10/07/98
02	9810-086-1		P110081B-23R	10/09/98
03	9810-086-1MS		P110081B-24R	10/09/98
04	9810-086-1MS		P110081B-25R	10/09/98
05	9810-086-1		P110121A-18R	10/12/98
06				
07				
08				
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COMMENTS:

3781716

FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA GC SAMPLE NO.

Lab Name: ETC, INC.

P06024LB

SDG No.: 9810-086

Matrix: (soil/water) SOIL

Lab Prep Batch: P06024

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 9810-086

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10(mL)

Date Analyzed: 10/07/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2-----	Aldrin	1.33333	U
319-84-6-----	alpha-BHC	1.33333	U
319-85-7-----	beta-BHC	1.33333	U
319-86-8-----	delta-BHC	1.33333	U
58-89-9-----	gamma-BHC (Lindane)	1.33333	U
5103-71-9-----	alpha-chlordane	1.33333	U
5103-74-2-----	gamma-chlordane	1.33333	U
72-54-8-----	4,4'-DDD	1.33333	U
72-55-9-----	4,4'-DDE	1.33333	U
50-29-3-----	4,4'-DDT	1.33333	U
60-57-1-----	Dieldrin	1.33333	U
959-98-8-----	Endosulfan I	1.33333	U
33213-65-9-----	Endosulfan II	1.33333	U
1031-07-8-----	Endosulfan sulfate	1.33333	U
72-20-8-----	Endrin	1.33333	U
7421-93-4-----	Endrin aldehyde	1.33333	U
53494-70-5-----	Endrin Ketone	1.33333	U
76-44-8-----	Heptachlor	1.33333	U
1024-57-3-----	Heptachlor epoxide	1.33333	U
72-43-5-----	Methoxychlor	1.33333	U

FORM I PESTICIDE

000040

FORM 3  
SOIL PESTICIDE LABORATORY CONTROL SAMPLE

3781717

Lab Name: ETC, INC.

Lab Prep Batch: P06024

SDG No.: 9810-086

Matrix Spike - Sample No.: P06024LCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aldrin	33.33333		26.11639	78	31-111
alpha-BHC	33.33333		26.24081	79	22-112
beta-BHC	33.33333		28.26622	85	54-120
delta-BHC	33.33333		24.68375	74	10- 96
gamma-BHC (Lindane)	33.33333		27.37999	82	26-113
alpha-chlordane	33.33333		30.14250	90	49-103
gamma-chlordane	33.33333		29.64444	89	50-106
4,4'-DDD	33.33333		29.46926	88	47-112
4,4'-DDE	33.33333		28.99864	87	36-117
4,4'-DDT	33.33333		37.83866	114	49-124
Dieldrin	33.33333		28.33706	85	44-108
Endosulfan I	33.33333		29.99541	90	49-103
Endosulfan II	33.33333		32.13872	96	53-115
Endosulfan sulfate	33.33333		32.53053	98	51-110
Endrin	33.33333		21.99089	66	44-118
Endrin aldehyde	33.33333		35.64338	107	48-128
Endrin Ketone	33.33333		33.74593	101	38-130
Heptachlor	33.33333		29.86182	90	47-113
Heptachlor epoxide	33.33333		28.94398	87	47-112
Methoxychlor	33.33333		35.88569	108	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 20 outside limits

COMMENTS:

3781718

## FORM 3

## SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ETC, INC.

Lab Prep Batch: P06024

SDG No.: 9810-086

Matrix Spike - Sample No.: 9810-086-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aldrin	33.33	0.516	25.59	75	31-111
alpha-BHC	33.33	0.000	26.11	78	22-112
beta-BHC	33.33	1.91	31.89	90	54-120
delta-BHC	33.33	0.883	24.43	71	10- 96
gamma-BHC	33.33	0.751	27.19	79	26-113
alpha-chlordane	33.33	4.10	31.18	81	49-103
gamma-chlordane	33.33	1.84	30.37	86	50-106
4,4'-DDD	33.33	0.000	29.28	88	47-112
4,4'-DDE	33.33	16.32	42.44	78	36-117
4,4'-DDT	33.33	21.62	54.78	99	49-124
Dieldrin	33.33	78.93	109.2	91	44-108
Endosulfan I	33.33	0.582	28.80	85	49-103
Endosulfan II	33.33	0.000	29.54	89	53-115
Endosulfan sulfate	33.33	0.000	28.26	85	51-110
Endrin	33.33	0.000	26.15	78	44-118
Endrin aldehyde	33.33	0.000	37.61	113	48-128
Endrin ketone	33.33	0.000	30.96	93	38-130
Heptachlor	33.33	2.04	33.54	94	47-113
Heptachlor epoxide	33.33	0.624	28.38	83	47-112
Methoxychlor	33.33	0.000	34.90	105	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS:

FORM 3  
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781719

Lab Name: ETC, INC.

Lab Prep Batch: P06024

SDG No.: 9810-086

Matrix Spike - Sample No.: 9810-086-1

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	33.22	26.28	78	4	20	31-111
alpha-BHC	33.22	25.81	78	0	20	22-112
beta-BHC	33.22	31.97	90	0	20	54-120
delta-BHC	33.22	24.84	72	1	20	10- 96
gamma-BHC	33.22	27.78	81	2	20	26-113
alpha-chlordane	33.22	31.56	83	2	20	49-103
gamma-chlordane	33.22	31.11	88	2	20	50-106
4,4'-DDD	33.22	29.66	89	1	20	47-112
4,4'-DDE	33.22	39.73	70	11	20	36-117
4,4'-DDT	33.22	54.40	99	0	20	49-124
Dieldrin	33.22	98.77	60	41*	20	44-108
Endosulfan I	33.22	29.92	88	3	20	49-103
Endosulfan II	33.22	31.56	95	6	20	53-115
Endosulfan sulfate	33.22	29.54	89	4	20	51-110
Endrin	33.22	27.74	84	7	20	44-118
Endrin aldehyde	33.22	38.69	116	3	20	48-128
Endrin ketone	33.22	33.26	100	7	20	38-130
Heptachlor	33.22	34.13	96	2	20	47-113
Heptachlor epoxide	33.22	29.28	86	4	20	47-112
Methoxychlor	33.22	37.50	113	7	20	39-147

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 1 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

COMMENTS:



3781720

**Environmental Testing & Consulting, Inc.**

**Quality Control Reports**

**GC PCBs**

000044

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBS - SOIL

3781721

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8082/3550B

**HOLDING TIMES**

Sample Extraction : All soil samples extracted within 14 days.  
Sample Analysis : All samples analyzed within 40 days of  
extraction.

**QUALITY CONTROL**

QC Batch Form 4 Summary  
P06024 P06024LB

System Monitoring Compounds FORM 2  
Surrogate recoveries within QC limits.

Laboratory Control Sample FORM 3  
P06024LCS

All criteria met.

Matrix Spike / Matrix Spike Dup FORM 3  
9810-086-01 RPD : All analytes within QC limits.  
RA-C-019 Spike Recovery : All analytes within QC limits.

Refer to Laboratory Control Sample(s) for system verification.

Method Blank FORM 4  
P06024LB

No Target Analytes detected above Practical Quantitation Limit.

**CALIBRATION**

Initial Calibration : All criteria met. FORM 6  
Calibration Verification : All criteria met. FORM 7\*

Calibration Verification(CV) : C210051A.21R (Primary)

Analyte	%Diff(15% Max)	Response
Aroclor 1260	22.8	High

High responses indicate that reported levels for this analyte may be biased high. This analyte was not identified in sample associated with this project. Recoveries for Aroclor 1260 were within QC Limits in P06024LCS and MS/MSD associated with this project. The data was not affected.

Calibration Verification(CV) : C210051A.22R (Primary)

Analyte	%Diff(15% Max)	Response
Aroclor 1260	19.2	High

High responses indicate that reported levels for this analyte may be biased high. This analyte was not identified in sample associated with this project. Recoveries for Aroclor 1260 were within QC Limits in P06024LCS and MS/MSD associated with this project. The data was not affected.

J00045

3781722

ENVIRONMENTAL TESTING AND CONSULTING, INC.  
MEMPHIS, TN  
CASE NARRATIVE  
GC PCBS - SOIL

Client Name : OHM Remediation Services  
Project Name : Defense Depot - Memphis, TN  
ETC Order # : 9810-086  
Method (SW-846) : 8082/3550B

**SAMPLE ANALYSIS**

Instrumentation : HP 5890 Series II GC  
Dilutions Required : No dilutions required.

  
Laboratory Manager

000046

FORM 2  
SOIL PCB SURROGATE RECOVERY

3781723

Lab Name: ETC, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 9810-086

Level:(low/med) LOW

	EPA GC SAMPLE NO.	S1 (TMX) #	S2 (DBC) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	P06024LB	70	110							0
02	P06024LCS	78	107							0
03	9810-086-1	77	117							0
04	9810-086-1MS	82	105							0
05	9810-086-1MS	69	99							0
06										
07										
08										
09										
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28										
29										
30										

QC LIMITS

S1 (TMX) = Tetrachloro-m-xylene (39-130)  
S2 (DBC) = Decachlorobiphenyl (64-154)

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

000047

3781724

FORM 4  
PCB METHOD BLANK SUMMARY

EPA GC SAMPLE NO.

Lab Name: ETC, INC.

P06024LB

Lab Prep Batch: P06024

SDG No.: 9810-086

Lab File ID: C210051A-11R

Instrument ID: PEST2A

Matrix: (soil/water) SOIL

Date Analyzed: 10/06/98

Level:(low/med) LOW

Time Analyzed: 0013

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA GC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	P06024LCS		C210051A-14R	10/06/98
02	9810-086-1		C210051A-18R	10/06/98
03	9810-086-1MS		C210051A-19R	10/06/98
04	9810-086-1MS		C210051A-20R	10/06/98
05				
06				
07				
08				
09				
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COMMENTS:

FORM 1  
PCB ORGANICS ANALYSIS DATA SHEET

3781725

EPA GC SAMPLE NO.

P06024LB

Lab Name: ETC, INC.

SDG No.: 9810-086

Matrix: (soil/water) SOIL

Lab Prep Batch: P06024

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: C210051A-11R

Level: (low/med) LOW

Date Received: \_\_\_\_\_

Concentrated Extract Volume: 10(mL)

Date Analyzed: 10/06/98

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
12674-11-2-----	Aroclor 1016	16.67	U	
11104-28-2-----	Aroclor 1221	16.67	U	
11141-16-5-----	Aroclor 1232	16.67	U	
53469-21-9-----	Aroclor 1242	16.67	U	
11097-69-1-----	Aroclor 1254	16.67	U	
11096-82-5-----	Aroclor 1260	16.67	U	
12672-29-6-----	Aroclor 1248	16.67	U	

FORM I PCB

000049

3781726

FORM 3  
SOIL PCB LABORATORY CONTROL SAMPLE

Lab Name: ETC, INC.

Lab Prep Batch: P06024

SDG No.: 9810-086

Matrix Spike - Sample No.: P06024LCS

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor 1242	333.3		300.3	90	25-125
Aroclor 1260	333.3		308.1	92	25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 0 outside limits  
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III PCB

000050

FORM 3  
SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

3781727

Lab Name: ETC, INC.

Lab Prep Batch: P06024

SDG No.: 9810-086

Matrix Spike - Sample No.: 9810-086-1

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor 1242	327.9	0.000	279.6	85	25-125
Aroclor 1260	327.9	0.000	308.4	94	25-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor 1242	327.9	279.6	85	0	20 25-125
Aroclor 1260	327.9	308.4	94	0	20 25-125

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 2 outside limits  
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III PCB

000051



# TAB

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Appendix D

**APPENDIX D**

**Letter from Subtitle D Landfill, Transportation & Disposal Log, and Waste  
Disposal Manifests**

# Trash Hunters of Tunica, Inc.

3781730



Trash Hunters of Tunica, Inc. ♦ 6035 Bowdre Rd ♦ Robinsonville, MS 38664  
Phone 601-363-2282 ♦ Fax 601-363-0170

September 24, 1998

Mr. Stephen D. Offner, P.G.  
Technical Manager  
IT Corporation  
5445 Triangle Parkway, Suite 400  
Norcross, GA 30092

Dear Stephen,

Pursuant to your verbal request of September 23, 1998, please find detailed below the response from Trash Hunters of Tunica, Inc., a Division of Waste Management, located in Tunica County, Mississippi.

Trash Hunters of Tunica, Inc. operates a Class 1, Subtitle D Municipal Solid Waste Landfill located wholly in Tunica County approximately 2.4 miles south of the intersection of Mississippi State Highways 3 and 304. Currently, the landfill is permitted with 147.11 acres of disposal capacity on 350+ acres. On July 22, 1998, we placed the first load of garbage. Prior to the opening date, construction of "The Landfill" began in early March 1998 following standard procedures as prescribed by the Mississippi Department of Environmental Quality headquartered in Jackson, Mississippi. The property was a "greenfield" site prior to construction activities with a permit originally issued to Trash Hunters of Tunica, Inc., an independent waste disposal company. The previous permit holder had taken no actions to construct, develop, or dispose of waste within the property boundary.

With regard for the Dieldrin Contaminated soil currently being excavated and removed from the Defense Distribution Depot in Memphis, TN, we are managing the disposal of all soils and related debris (including roots, limbs, landscape timbers, poly plastic liners, and personal protective equipment) in accordance with the regulations of the MDEQ, a CERCLA approval letter issued by Region IV of the EPA, and all applicable local, state, and federal laws. All waste materials generated from the remedial activities related to the Dieldrin Soil have been properly manifested, transported, and disposed in Cell 1 at "The Landfill." Cell 1 is a 7.4 acre prepared area with a single composite liner consisting of 2' of recompacted clay exhibiting a minimum permeability rating of 10 to the minus 7 centimeters per second. Additionally, the entire cell is overlain with a 60 mil High Density Poly Ethylene flexible membrane liner, 18" of washed river rock for drainage, and 6" HDPE perforated pipe embedded in the drainage layer to convey leachate, via underground piping and submersible pumps, to a 110,000 gallon double walled above ground storage tank. All resulting leachate from disposal activities is transported via tanker truck to the Robinsonville Commerce Utility District POTW for treatment.

With respect for transportation routing, all loads have been conveyed via end dump tractor trailers along proper truck routes and limited to Airways Blvd. south of the Main Gate and north of I-240, I-55 North from the I-240/I-55 Split to the Third Avenue Exit. From the Third Avenue Exit (US Hwy 61 South), all trucks travel south on US Hwy 61 to the intersection of Hwy 61 and Mississippi Hwy 3. From the intersection of 61 and Hwy 3, the trucks travel southeast on Hwy 3 across the Hwy 3/Hwy 304 intersection at Banks, MS to Bowdre Road in Tunica County. Trucks then travel west on Bowdre Road approximately 5 miles to "The Landfill" entrance. Each load is weighed and visually inspected for non-approved waste materials and then deposited in Cell 1.

If you need additional information, please feel free to contact me at 262-0868 or at the office at 877-989-2783. Thank you again.

Sincerely,

David A. Kraus

## T &amp; D LOG FOR DEFENSE DEPOT MEMPHIS, TN.

PROJECT # 20560 CLIENT: USACE

CONTRACT #DACA45-96-D-0014

DO# 0010

DATE	MANIFEST#	AREA	TONS	TONS TO DATE	TRUCK CO.	TRUCK #	FACILITY
7/21/98	3001	A	12.32	12.32	MATHEW	GT8	TUNICA
7/21/98	3002	A	19.98	32.30	MATHEW	NEL 1	TUNICA
7/21/98	3003	A	19.47	51.77	MATHEW	TTR96-1	TUNICA
7/21/98	3004	A	17.31	69.08	MATHEW	MR1	TUNICA
7/21/98	3005	A	20.28	89.36	MATHEW	GT8	TUNICA
7/21/98	3006	A	22.50	111.86	MATHEW	NEL1	TUNICA
7/21/98	3007	A	22.69	134.55	MATHEW	TTR96-1	TUNICA
7/21/98	3008	A	21.32	155.87	MATHEW	RM-5	TUNICA
7/21/98	3009	A	21.35	177.22	MATHEW	RM-3	TUNICA
7/21/98	3010	A	20.31	197.53	MATHEW	MR-1	TUNICA
7/21/98	3011	A	19.26	216.79	MATHEW	GT8	TUNICA
7/21/98	3012	A	22.27	239.06	MATHEW	NELL 1	TUNICA
7/21/98	3013	A	21.17	260.23	MATHEW	TTR96-1	TUNICA
7/21/98	3014	A	19.45	279.68	MATHEW	MR-1	TUNICA
7/27/98	3015	A	18.73	298.41	MATHEW	GT-8	TUNICA
7/27/98	3016	A	20.65	319.06	MATHEW	RM-4	TUNICA
7/27/98	3017	A	21.65	340.71	MATHEW	RM-3	TUNICA
7/27/98	3018	A	20.29	361.00	MATHEW	RM-5	TUNICA
7/27/98	3019	A	21.34	382.65	MATHEW	RM-4	TUNICA
7/27/98	3020	A	24.68	402.94	MATHEW	RM-5	TUNICA
7/27/98	3021	A	19.81	424.28	MATHEW	RM-3	TUNICA
7/27/98	3022	A	21.03	448.96	MATHEW	RM-4	TUNICA
7/27/98	3023	A	16.87	465.83	MATHEW	RM-3	TUNICA
7/27/98	3024	A	17.59	486.86	MATHEW	RM-5	TUNICA
7/28/98	3025	A	19.38	506.24	MATHEW	RM-5	TUNICA
7/28/98	3026	A	32.02	538.26	MATHEW	RM-7	TUNICA
7/28/98	3027	A	17.68	555.94	MATHEW	RM-4	TUNICA
7/28/98	3028	A	19.01	574.95	MATHEW	RM-3	TUNICA
7/28/98	3029	A	19.90	594.85	MATHEW	GT-8	TUNICA
7/28/98	3030	A	18.17	613.02	MATHEW	GT-8	TUNICA
7/28/98	3031	A	18.56	631.58	MATHEW	GT-8	TUNICA
7/28/98	3032	A	19.95	651.53	MATHEW	RM-3	TUNICA
7/28/98	3033	A	20.91	672.44	MATHEW	RM-4	TUNICA
7/28/98	3034	A	20.67	693.11	MATHEW	RM-5	TUNICA
7/28/98	3035	A	22.57	715.68	MATHEW	RM-7	TUNICA
7/30/98	3036	A	9.91	725.59	MATHEW	RM-4	TUNICA
7/30/98	3037	A	14.09	739.68	MATHEW	GT-8	TUNICA
7/30/98	3038	A	28.68	768.36	MATHEW	RM-5	TUNICA
7/30/98	3039	A	21.71	790.07	MATHEW	RM-7	TUNICA
7/30/98	3040	A	19.62	809.69	MATHEW	RM-3	TUNICA
7/30/98	3042	A	21.94	831.63	MATHEW	GT-8	TUNICA
7/30/98	3043	A	21.61	853.24	MATHEW	RM-5	TUNICA
7/30/98	3044	A	23.01	876.25	MATHEW	RM-3	TUNICA
7/30/98	3045	A	25.67	901.92	MATHEW	RM-4	TUNICA
7/30/98	3046	A	26.96	928.88	MATHEW	RM-7	TUNICA

## T&amp;D LOG

7/30/98	3047	A	22.74	951.62	MATHEW	RM-4	TUNICA
7/30/98	3048	A	21.34	972.96	MATHEW	GT-8	TUNICA
8/5/98	3049	A	24.21	997.17	MATHEW	RM-3	TUNICA
8/5/98	3050	A	26.38	1023.55	MATHEW	RM-4	TUNICA
8/5/98	3051	A	28.30	1051.85	MATHEW	RM-7	TUNICA
8/5/98	3052	A	25.40	1077.25	MATHEW	RM-3	TUNICA
8/5/98	3053	A	26.58	1103.83	MATHEW	RM-5	TUNICA
8/5/98	3054	A	24.87	1128.70	MATHEW	RM-4	TUNICA
8/5/98	3055	A	23.28	1151.98	MATHEW	RM-3	TUNICA
8/5/98	3056	A	23.62	1175.60	MATHEW	RM-4	TUNICA
8/13/98	3057	A	24.23	1199.83	MATHEW	RM-7	TUNICA
8/13/98	3041	A	24.48	1224.31	MATHEW	GT-8	TUNICA
8/13/98	3058	A	24.70	1249.01	MATHEW	RM-3	TUNICA
8/13/98	3063	A	26.81	1275.82	MATHEW	RM-5	TUNICA
8/13/98	3059	A	23.40	1299.22	MATHEW	RM-7	TUNICA
8/13/98	3060	A	17.36	1316.58	MATHEW	RII	TUNICA
8/13/98	3061	A	23.51	1340.09	MATHEW	GT-8	TUNICA
8/13/98	3062	A	24.31	1364.40	MATHEW	RM-4	TUNICA
8/13/98	3078	B	24.70	1389.10	MATHEW	RM-3	TUNICA
8/13/98	3077	B	25.77	1414.87	MATHEW	RM-3	TUNICA
8/13/98	3075	B	27.06	1441.93	MATHEW	RM-4	TUNICA
8/13/98	3074	B	28.13	1470.06	MATHEW	RM-7	TUNICA
8/13/98	3076	B	28.26	1498.32	MATHEW	GT-8	TUNICA
8/14/98	3073	B	23.17	1521.49	MATHEW	RM-3	TUNICA
8/14/98	3071	B	24.49	1545.98	MATHEW	GT-8	TUNICA
8/14/98	3072	B	27.53	1573.51	MATHEW	RM-7	TUNICA
8/14/98	3064	B	24.62	1598.13	MATHEW	RM-3	TUNICA
8/14/98	3065	B	28.56	1626.69	MATHEW	RM-4	TUNICA
8/14/98	3067	B	24.66	1651.35	MATHEW	GT-8	TUNICA
8/14/98	3066	B	27.05	1678.40	MATHEW	RM-7	TUNICA
8/14/98	3068	B	21.70	1700.10	MATHEW	RM-3	TUNICA
8/14/98	3069	B	24.13	1724.23	MATHEW	RM-4	TUNICA
8/14/98	3070	B	22.00	1746.23	MATHEW	GT-8	TUNICA
8/14/98	3101	B	23.66	1769.89	MATHEW	RM-7	TUNICA
8/17/98	3102	B	26.02	1795.91	MATHEW	GT-8	TUNICA
8/17/98	3108	B	28.30	1824.21	MATHEW	RM-4	TUNICA
8/17/98	3107	B	29.06	1853.27	MATHEW	RM-7	TUNICA
8/17/98	3086	B	25.29	1878.56	MATHEW	HLB22	TUNICA
8/17/98	3106	B	25.66	1904.22	MATHEW	GT-8	TUNICA
8/17/98	3104	B	27.16	1931.38	MATHEW	GT-8	TUNICA
8/17/98	3105	B	26.36	1957.74	MATHEW	RM-4	TUNICA
8/17/98	3103	B	26.89	1984.63	MATHEW	RM-7	TUNICA
8/17/98	3095	B	21.43	2006.06	MATHEW	HLB22	TUNICA
8/17/98	3093	B	28.93	2034.99	MATHEW	RM-7	TUNICA
8/17/98	3092	B	26.65	2061.64	MATHEW	RM-3	TUNICA
8/17/98	3094	B	25.71	2087.35	MATHEW	GT-8	TUNICA
8/17/98	3090	B	26.94	2114.29	MATHEW	RM-5	TUNICA
8/17/98	3091	B	27.31	2141.60	MATHEW	RM-4	TUNICA
8/17/98	3089	B	22.78	2164.38	MATHEW	RM-7	TUNICA
8/17/98	3088	B	20.88	2185.26	MATHEW	RM-7	TUNICA
8/21/98	3084	B	23.27	2208.53	MATHEW	GT-8	TUNICA
8/21/98	3085	B	24.55	2233.08	MATHEW	GT-8	TUNICA
8/21/98	3096	B	22.69	2255.77	MATHEW	GT-8	TUNICA
8/21/98	3097	B	25.76	2281.53	MATHEW	RM-3	TUNICA

8/21/98	3098	B	26.14	2307.67	MATHEW	GT-8	TUNICA
8/21/98	3087	B	25.80	2333.47	MATHEW	RM-3	TUNICA
8/27/98	3083	B	27.71	2361.18	MATHEW	RM-4	TUNICA
8/27/98	3082	B	22.91	2384.09	MATHEW	GT-8	TUNICA
8/27/98	3081	B	24.74	2408.83	MATHEW	RM-7	TUNICA
8/27/98	3080	B	22.37	2431.20	MATHEW	RM-5	TUNICA
8/27/98	3079	B	26.27	2457.47	MATHEW	RM-3	TUNICA
8/27/98	3099	B	26.55	2484.02	MATHEW	GT-8	TUNICA
8/27/98	3120	B	28.56	2512.58	MATHEW	RM-4	TUNICA
8/27/98	3100	B	23.64	2536.22	MATHEW	RM-7	TUNICA
8/31/98	3109	B	24.93	2561.15	MATHEW	HLB-22	TUNICA
8/31/98	3110	B	27.68	2588.83	MATHEW	GT-8	TUNICA
8/31/98	3111	B	27.15	2615.98	MATHEW	RM-7	TUNICA
8/31/98	3112	B	27.79	2643.77	MATHEW	RM-3	TUNICA
8/31/98	3113	B	26.94	2670.71	MATHEW	HLB-22	TUNICA
8/31/98	3114	B	27.46	2698.17	MATHEW	GT-8	TUNICA
8/31/98	3115	B	30.31	2728.48	MATHEW	RM-7	TUNICA
8/31/98	3116	B	26.57	2755.05	MATHEW	HLB22	TUNICA
8/31/98	3117	B	26.1	2781.15	MATHEW	GT-8	TUNICA
8/31/98	3118	B	29.52	2810.67	MATHEW	RM-4	TUNICA
8/31/98	3124	B	24.58	2835.25	MATHEW	HLB22	TUNICA
9/1/98	3122	B	26.23	2861.48	MATHEW	HLB22	TUNICA
9/1/98	3121	B	28.59	2890.07	MATHEW	GT-8	TUNICA
9/1/98	3125	B	24.85	2914.92	MATHEW	HLB22	TUNICA
9/1/98	3123	B	27.1	2942.02	MATHEW	GT-8	TUNICA
9/1/98	3119	B	22.87	2964.89	MATHEW	GT-8	TUNICA
9/1/98	3135	B	23.77	2988.66	MATHEW	GT-8	TUNICA
9/2/98	3126	B	22.36	3011.02	MATHEW	HLB22	TUNICA
9/2/98	3127	B	22.43	3033.45	MATHEW	GT-8	TUNICA
9/2/98	3128	B	23.52	3056.97	MATHEW	HLB22	TUNICA
9/2/98	3129	B	23.76	3080.73	MATHEW	GT-8	TUNICA
9/2/98	3130	B	24.44	3105.17	MATHEW	HLB22	TUNICA
9/4/98	3131	B	21.74	3126.91	MATHEW	HLB22	TUNICA
9/4/98	3132	B	22.14	3149.05	MATHEW	RM-7	TUNICA
9/4/98	3133	B	20.5	3169.55	MATHEW	GT-8	TUNICA
9/4/98	3134	B	21.17	3190.72	MATHEW	RM-3	TUNICA
9/21/98	3160	B	25.74	3216.46	MATHEW	RM-7	TUNICA
9/21/98	3159	C	26.31	3242.77	MATHEW	RM-4	TUNICA
9/21/98	3158	C	25.76	3268.53	MATHEW	GT-8	TUNICA
9/21/98	3157	C	29.71	3298.24	MATHEW	GT-8	TUNICA
9/21/98	3156	C	26.01	3324.25	MATHEW	RM-4	TUNICA
9/21/98	3155	C	29.95	3354.20	MATHEW	RM-7	TUNICA
9/21/98	3154	C	27.05	3381.25	MATHEW	GT-8	TUNICA
9/21/98	3153	C	26.19	3407.44	MATHEW	RM-4	TUNICA
9/21/98	3152	C	28.52	3435.96	MATHEW	RM-7	TUNICA
9/22/98	3151	C	26.73	3462.69	MATHEW	RM-7	TUNICA
9/22/98	3212	C	25.19	3487.88	MATHEW	RM-4	TUNICA
9/22/98	3211	C	26.99	3514.87	MATHEW	RM-7	TUNICA
9/22/98	3210	C	26.8	3541.67	MATHEW	RM-4	TUNICA
9/22/98	3209	C	30.49	3572.16	MATHEW	RM-7	TUNICA
9/22/98	3208	C	29.06	3601.22	MATHEW	RM-4	TUNICA
9/23/98	3147	C	24.94	3626.16	MATHEW	HLB22	TUNICA
9/23/98	3146	C	26.85	3653.01	MATHEW	RM-4	TUNICA
9/23/98	3148	C	18.81	3671.82	MATHEW	RM-7	TUNICA

3781734

## T&amp;D LOG

9/23/98	3145	C	24.86	3696.68	MATHEW	HLB22	TUNICA
9/23/98	3144	C	26.3	3722.98	MATHEW	RM-4	TUNICA
9/23/98	3143	C	27.15	3750.13	MATHEW	RM-7	TUNICA
9/23/98	3142	C	24.56	3774.69	MATHEW	HLB22	TUNICA
9/23/98	3141	C	25.58	3800.27	MATHEW	RM-4	TUNICA
9/23/98	3214	C	24.41	3824.68	MATHEW	RM-7	TUNICA
9/23/98	3213	C	22.2	3846.88	MATHEW	HLB22	TUNICA
9/24/98	3201	C	26.7	3873.58	MATHEW	RM-7	TUNICA
9/24/98	3150	C	23.78	3897.36	MATHEW	RM-4	TUNICA
9/24/98	3149	C	26.27	3923.63	MATHEW	RM-7	TUNICA
9/24/98	3239	C	29.58	3953.21	MATHEW	RM-7	TUNICA
9/25/98	3220	C	25.63	3978.84	MATHEW	RM-4	TUNICA
9/25/98	3219	C	28.23	4007.07	MATHEW	RM-7	TUNICA
9/25/98	3218	C	29.77	4036.84	MATHEW	HLB22	TUNICA
9/25/98	3217	C	26.68	4063.52	MATHEW	HLB22	TUNICA
9/25/98	3215	C	25.47	4088.99	MATHEW	RM-7	TUNICA
9/25/98	3244	C	24.62	4113.61	MATHEW	HLB22	TUNICA
9/25/98	3216	C	26.29	4139.90	MATHEW	RM-4	TUNICA
9/25/98	3243	C	24.44	4164.34	MATHEW	HLB22	TUNICA
9/26/98	3242	C	29.06	4193.40	MATHEW	RM-4	TUNICA
9/26/98	3241	C	27.12	4220.52	MATHEW	HLB22	TUNICA
9/26/98	3240	C	23.64	4244.16	MATHEW	RM-7	TUNICA
9/26/98	3203	C	24.38	4268.54	MATHEW	RM-4	TUNICA
9/26/98	3204	C	23.49	4292.03	MATHEW	HLB22	TUNICA
9/29/98	3205	C	28.2	4320.23	MATHEW	RM-7	TUNICA
9/29/98	3206	C	26.89	4347.12	MATHEW	RM-4	TUNICA
9/29/98	3207	C	27.57	4374.69	MATHEW	RM-7	TUNICA
9/29/98	3202	C	27.69	4402.38	MATHEW	RM-4	TUNICA
9/29/98	3137	C	26.33	4428.71	MATHEW	RM-7	TUNICA
9/29/98	3138	C	25.09	4453.80	MATHEW	RM-4	TUNICA
9/30/98	3139	C	24.17	4477.97	MATHEW	HLB22	TUNICA
9/30/98	3140	C	29.97	4507.94	MATHEW	RM-7	TUNICA
9/30/98	3259	C	27.48	4535.42	MATHEW	RM-4	TUNICA
9/30/98	3258	C	25	4560.42	MATHEW	HLB22	TUNICA
9/30/98	3257	C	27.59	4588.01	MATHEW	RM-7	TUNICA
9/30/98	3256	C	23.54	4611.55	MATHEW	RM-4	TUNICA
9/30/98	3255	C	23.98	4635.53	MATHEW	HLB22	TUNICA
9/30/98	3254	C	28.26	4663.79	MATHEW	RM-7	TUNICA
9/30/98	3253	C	24.89	4688.68	MATHEW	HLB22	TUNICA
9/30/98	3252	C	24.01	4712.69	MATHEW	HLB22	TUNICA
10/1/98	3251	C	26.04	4738.73	MATHEW	RM-7	TUNICA
10/1/98	3250	C	24.89	4763.62	MATHEW	HLB22	TUNICA
10/1/98	3249	C	24.51	4788.13	MATHEW	HLB22	TUNICA
10/2/98	3246	C	25.75	4813.88	MATHEW	RM-4	TUNICA
10/2/98	3247	C	23.85	4837.73	MATHEW	HLB22	TUNICA
10/2/98	3245	C	27.52	4865.25	MATHEW	RM-7	TUNICA
10/2/98	3263	C	29.51	4894.76	MATHEW	RM-4	TUNICA
10/2/98	3262	C	25.96	4920.72	MATHEW	HLB22	TUNICA
10/2/98	3261	C	27.79	4948.51	MATHEW	RM-7	TUNICA
10/2/98	3260	C	26.84	4975.35	MATHEW	RM-4	TUNICA
10/2/98	3264	C	23.99	4999.34	MATHEW	HLB22	TUNICA
10/2/98	3269	C	29.68	5029.02	MATHEW	RM-4	TUNICA



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781735

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49605

Customer Number: 9

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

12.32

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

Jack Kallal  
Signature

7.21.98  
Shipment Date

### TRANSPORTER

Truck No.: GT8

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A082 Y2

Nesbit, MS 38651

Vehicle Certification: MDOT 4500T 744570

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Pickup Date \_\_\_\_\_

Joe Graham  
Signature

7.21.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

Greg Griffin  
Signature

7.21.98  
Receipt Date

No 003001

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 12.32



3781736



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Address: 2163 Airways Blvd.

Memphis, TN 38114

Phone No. (901) 775-0173

EPA ID Code No. TUN-9807002

Waste Generation Location

SAME

Address:

Phone No. ( )

Special Handling Instructions and Additional Information:

Permit Number: SW-0720010459

Ticket Number

49604

Customer Number

9

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

19.98

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

 JACK Ruffel  
 Generator Authorized Agent

Signature

 7, 21, 98  
 Shipment Date

## TRANSPORTER

Truck No.: NEL1

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road

Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): JAMES R. NELSON

Vehicle License No./State: A29170

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Signature

 7, 21, 98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

 7, 21, 98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time:

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

 REG GRIFFIN  
 Name (print)

Signature

 7, 21, 98  
 Receipt Date

003002

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:

32.3



# USA WASTE SERVICES

3781737

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49611

Customer Number: 9

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

19.47

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JAK Kalla  
Generator Authorized Agent

JAK Kalla  
Signature

7.21.98  
Shipment Date

### TRANSPORTER

Truck No.: JTR 96-1

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): J D Riley

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: 5743-PY

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

J D Riley  
Signature

7.21.98  
Pickup Date

Signature

1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

Greg Griffin  
Signature

7.21.98  
Receipt Date

No 003003

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 5677

3781738



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location

SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114Phone No. (901) 775-0173

Phone No. ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459Ticket Number: 49619Customer Number 9Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil17.31

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal

Generator Authorized Agent

Signature

JACK Kallal7.21.98  
Shipment Date

## TRANSPORTER

Check No.: MR1Transporter Phone No.: (601) 429-2200Transporter Name: Matthews TruckingDriver Name (print): MAURICE ROBINSONAddress: 1340 Gwynn RoadVehicle License No./State: 14 7537Nesbit, MS 38651Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Maurice Robinson 7.21.98

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: (601) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin

Signature (print)

Signature

7.21.98  
Receipt Date

003004

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 69.08



# USA WASTE SERVICES

3781739

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49623

Customer Number: 9

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

20.76

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

7.21.98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

G. Griffin  
Signature

7.21.98  
Receipt Date

No 003005

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 89.36

3781740



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID. Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Waste Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: 49628

Customer Number: 9

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

2250

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

7.21.98  
 Shipment Date

### TRANSPORTER

Truck No.: WELI  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): JAMES R. NELSON

Vehicle License No./State: A29170

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
 Signature

1/1  
 Pickup Date

[Signature]  
 Signature

1/1  
 Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

[Signature]  
 Signature

7.21.98  
 Receipt Date

003006

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 111.86



# USA WASTE SERVICES

3781741

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number 49629

Customer Number: 9

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

22.69

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

7.21.98  
Shipment Date

### TRANSPORTER

Truck No.: TTR 96-1

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): J D Riley

Address: 1340 Gwynn Road

Vehicle License No./State: 5745-PX TN

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

J D Riley 7.21.98  
Signature Pickup Date

\_\_\_\_\_  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7.21.98  
Receipt Date

No 003007

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 134.55

3781742



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. (901) 775-0173  
 Waste ID Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49632Customer Number: 9

SPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

21.32

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_

Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

Shipment Date 7.21.98

## TRANSPORTER

Check No.: RM.5  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200Driver Name (print): TOMMY K. ROSSVehicle License No./State: A-108875Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy K. Ross  
 Signature

7.21.98  
 Pickup Date

Signature

7.21.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

DAVID KRAUS  
 Name (print)

Signature

7.21.98  
 Receipt Date

003008

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 155,87



# USA WASTE SERVICES

3781743

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: 49030

Customer Number: 9

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

21.35

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

7.21.98  
Shipment Date

### TRANSPORTER

Truck No.: PM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM D NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: A 07877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William D Neal 7.22.98  
Signature Pickup Date

\_\_\_\_\_  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

JEFF PAPASAW  
Name (print)

JEFF PAPASAW  
Signature

7.21.98  
Receipt Date

No 003009

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 177.22



3781744



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49634

Customer Number: 9

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

20.31

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal

Generator Authorized Agent

Signature

JACK Kallal

7/21/98  
Shipment Date

## TRANSPORTER

Check No.: MR1

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): MAURICE ROBINSON

Address: 1340 Gwynn Road

Vehicle License No./State: 14753 T

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Maurice Robinson

Signature

Pickup Date

Maurice Robinson 7/21/98

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Dale Boone

Name (print)

Signature

7/21/98  
Receipt Date

003010

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 197.53



# USA WASTE SERVICES

3781745

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number. 49637

Customer Number 9

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

19.26

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

7/21/98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: AQ8242

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_  
Pickup Date 7/21/98

Signature Joe Graham  
Delivery Date 7/21/98

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

David Khan  
Name (print)

David Khan  
Signature

7/21/98  
Receipt Date

№ 003011

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 216.79



# USA WASTE SERVICES

3781746

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

State ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

By Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49638

Customer Number 9

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

22.27

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Signature JACK Kallal

Shipment Date 7/21/98

### TRANSPORTER

Truck No.: NELI

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): AZ9170 James R. Nelson

Address: 1340 Gwynn Road

Vehicle License No./State: MS. AZ9170

Nesbit, MS 38651

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature [Signature]

Pickup Date 7/21/98

Signature \_\_\_\_\_

Delivery Date 7/21/98

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

DAVID A. KRAUS  
Name (print)

Signature [Signature]

Receipt Date 7/21/98

003012

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 239.06



# USA WASTE SERVICES

3781747

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 49639

Customer Number: 9

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

21.17

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLAL  
Generator Authorized Agent

[Signature]  
Signature

7.21.98  
Shipment Date

### TRANSPORTER

Truck No.: JTR 96-1

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): J D RILEY

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: 5743-PV TN

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 7.21.98  
Signature Pickup Date

[Signature] 7.21.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

DAVID A KRAUS  
Name (print)

[Signature]  
Signature

7.21.98  
Receipt Date

No 003013

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 260.23

3781748



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

19.45

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

 JACK Kallal  
 Generator Authorized Agent

Signature

7.21.98  
Shipment Date

## TRANSPORTER

Truck No.: MRI

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Maurice Robinson

Address: 1340 Gwynn Road

Vehicle License No./State: 14253 +

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

 Maurice Robinson  
 Signature

Pickup Date

Signature

2.21.98  
Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): JEFF PAPASO

Signature

7.21.98  
Receipt Date

003014

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 279.68



# USA WASTE SERVICES

3781749

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd. Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	18.73	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu Ft	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JAC2 Kallal [Signature] 7.21.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_ Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking Driver Name (print): Joe Graham

Address: 1340 Gwynn Road Vehicle License No./State: A 08242

Nesbit, MS 38651 Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 1/1 [Signature] 7.27.98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin [Signature] 7.27.98  
Name (print) Signature Receipt Date

Nº 003015

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 298.41



# USA WASTE SERVICES

3781750-

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

20.65

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

7.21.98  
 Shipment Date

### TRANSPORTER

Truck No.: RM4  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No./State: AB7879 MS

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
 Signature

7.27.98  
 Pickup Date

Signature

7.27.98  
 Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Guffin  
 Name (print)

Signature

7.27.98  
 Receipt Date

003016

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 319.06



# USA WASTE SERVICES

3781751

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

21.65

- ☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLA  
Generator Authorized Agent

[Signature]  
Signature

7/21/98  
Shipment Date

### TRANSPORTER

Truck No. PM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM O'NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: A 07877

Nesbit, MS 38651

Vehicle Certification: MDOT 790877

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal  
Signature 7/27/98  
Pickup Date

William O'Neal  
Signature 7/27/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

7/27/98  
Receipt Date

No 003017

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 361.00



3781752

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No.: ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

b Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

SPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**Dieldrin Contaminated Soil20.29

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kellie  
 Generator Authorized Agent

Signature \_\_\_\_\_

7.21.98  
Shipment Date**TRANSPORTER**
 Check No.: RM-5  
 Transporter Name: Matthews Trucking
Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): TOMMY KROSSAddress: 1340 Gwynn RoadVehicle License No./State: H-07875Nesbit, MS 38651Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Kross  
 Signature
7.27.98  
Pickup Date

Signature \_\_\_\_\_

\_\_\_\_\_  
Delivery Date**DESTINATION**Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

Signature \_\_\_\_\_

7.27.98  
Receipt Date

003018

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 339.35



# USA WASTE SERVICES

3781753

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

21.34

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

7,25,98  
Shipment Date

### TRANSPORTER

Truck No.: RM4

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): RAY YOUNG

Address: 1340 Gwynn Road

Vehicle License No./State: A07879

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature

7,27,98  
Pickup Date

Signature \_\_\_\_\_

1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7,27,98  
Receipt Date

№ 003019

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 382.34

3781754



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. (901) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

24.68

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kullal  
 Generator Authorized Agent

[Signature]  
 Signature

7.25.98  
 Shipment Date

## TRANSPORTER

Truck No.: RM-5  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): Tommy K. Ross

Vehicle License No./State: A-07875

Vehicle Certification: MDOT

I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy K. Ross 7.25.98  
 Signature Pickup Date

[Signature]  
 Signature

7.25.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffith  
 Name (print)  
003020

[Signature]  
 Signature

7.27.98  
 Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 426.83



# USA WASTE SERVICES

3781755

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No.: ( 901 ) 775-0173  
Waste ID. Code No.: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	19.81	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

7.23.98  
Shipment Date

### TRANSPORTER

Truck No.: RM-3  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): William D'Neal  
Vehicle License No./State: A07877  
Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

William D'Neal  
Signature

7.23.98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

7.23.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7.23.98  
Receipt Date

No 003021

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 402.15

3781756



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID. Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number 49856

Customer Number: 9

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

21.03

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TACK Kallal  
 Generator Authorized Agent

TACK Kallal  
 Signature

7.25.98  
 Shipment Date

## TRANSPORTER

Truck No.: RM4  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): Ray Young

Vehicle License No./State: AD 7879

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
 Signature

7.27.98  
 Pickup Date

Signature

7.27.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

David L. Krews  
 Name (print)

David L. Krews  
 Signature

7.27.98  
 Receipt Date

Q 003022

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 447.86



# USA WASTE SERVICES

3781757

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

16.87

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kalla  
Generator Authorized Agent

[Signature]  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No.: R/M-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): William Oreal

Address: 1340 Gwynn Road

Vehicle License No./State: A07877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William Oreal 7.27.98  
Signature Pickup Date

William Oreal 7.27.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

[Signature]  
Signature

7.27.98  
Receipt Date

No 003023

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 482.32

3781758



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location

SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No. (901) 775-0173

Phone No. ( )

EPA ID Code No TUN-9807002

Special Handling Instructions and Additional Information

Waste Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number

Customer Number

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

17.59

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TACK Kallal  
 Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.: RM-5

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Tommy K. Pass

Address: 1340 Gwynn Road

Vehicle License No./State: A-07875

Nesbit, MS 38651

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy K. Pass  
 Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003024

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 465.45





3781760



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

32.02

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLER  
 Generator Authorized Agent

Signature

JACK KULLER

Shipment Date

7.25.98

## TRANSPORTER

Ticket No.: Rm 7Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): JACKIE YOUNTAddress: 1340 Gwynn RoadVehicle License No./State: A07881 MSNesbit, MS 38651Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
 Signature

Pickup Date

7.28.98

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print)

Signature

7.28.98  
 Receipt Date

? 003026

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 514.34



# USA WASTE SERVICES

3781761

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No: TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number. \_\_\_\_\_ Customer Number. \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

17.68

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLA  
Generator Authorized Agent

[Signature]  
Signature

7.28.98  
Shipment Date

### TRANSPORTER

Truck No.: RMV

Transporter Phone No: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print): RAY YOUNG

Address: 1340 Gwynn Road

Vehicle License No./State: AD7879

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature

7.28.98  
Pickup Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. GRIFFIN  
Name (print)

[Signature]  
Signature

7.28.98  
Receipt Date

No 003027

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 551.40

3781762



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

State ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

19.01

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

### TRANSPORTER

Truck No.: RA-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM D. DICKSON

Address: 1340 Gwynn Road

Vehicle License No./State: A07877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

Q 003028

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 570.41



# USA WASTE SERVICES

3781763

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

19.90

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

Jack Kallal  
Signature

7-25-98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A 08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Pickup Date \_\_\_\_\_

Signature \_\_\_\_\_

7-27-98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: GT 8 - Tank # not filled in

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Graham  
Name (print)

G. Graham  
Signature

7-28-98  
Receipt Date

No 003029

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 590.31



# USA WASTE SERVICES

3781764

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

State ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: 4986

Customer Number: 9

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

18.17

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TRICK Kallal  
Generator Authorized Agent

[Signature]  
Signature

7/25/98  
Shipment Date

### TRANSPORTER

Truck No.: GT-9

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): TOE Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A 08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Alex Griffin  
Name (print)

Signature

7/28/98  
Receipt Date

003030

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 608.48



# USA WASTE SERVICES

3781765

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

18.50

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No.: GT-8

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: AC 8242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date 7.27.98

Signature Joe Graham Delivery Date 7.27.98

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7.28.98  
Receipt Date

No 003031

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 711.14

3781766



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID. Code No: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

by Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

SPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

19.95

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kullal  
 Generator Authorized Agent

Signature \_\_\_\_\_

Shipment Date 7.25.98

## TRANSPORTER

Truck No.: Rm-3  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): WILLIAM D'NEALVehicle License No./State: A07877Vehicle Certification: MDOT 290A77

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William D'Neal 7.28.98  
 Signature Pickup Date

William D'Neal 7.29.98  
 Signature Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print) \_\_\_\_\_

Signature \_\_\_\_\_

Receipt Date 7.28.98

003032

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE 649.10



# USA WASTE SERVICES

3781767

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

20.91

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLER  
Generator Authorized Agent

JACK KULLER  
Signature

7-25-98  
Shipment Date

### TRANSPORTER

Truck No.: RMY

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): RAY YOUNG

Address: 1340 Gwynn Road

Vehicle License No./State: AO 7879

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature

7-28-98  
Pickup Date

Signature

7-28-98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted, and to the best of my knowledge, the foregoing is true and accurate.

G. G. Gifford  
Name (print)

G. G. Gifford  
Signature

7-28-98  
Receipt Date

No 003033

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 670.01



3781768



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location:

SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID Code No TUN-9807002

Special Handling Instructions and Additional Information

Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number

Customer Number:

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

20.67

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Tommy Ross

Address: 1340 Gwynn Road

Vehicle License No./State: A-107875

Nesbit, MS 38651

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003034

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 629.15



# USA WASTE SERVICES

3781763

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

22.57

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: 07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
Signature

7.28.98  
Pickup Date

\_\_\_\_\_  
Signature

7.28.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

[Signature]  
Signature

7.28.98  
Receipt Date

NO 003035

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 692.58

3781770



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil9.91
☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

THACKER  
Generator Authorized AgentTHACKER  
Signature7.25.98  
Shipment Date

## TRANSPORTER

Check No.: RMVTransporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): Ray YoungAddress: 1340 Gwynn RoadVehicle License No./State: A07879Nesbit, MS 38651Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature7.30.98  
Pickup Date

Signature \_\_\_\_\_

7.30.98  
Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)G. Griffin  
Signature7.30.98  
Receipt Date

003036

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 721.05



# USA WASTE SERVICES

3781771

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

14.09

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

Jack Kallal  
Signature

7.12.98  
Shipment Date

### TRANSPORTER

Truck No.: GT-8

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

7.12.98  
Pickup Date

Joe Graham  
Signature

7.130.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Joe Graham  
Name (print)

Joe Graham  
Signature

7.130.98  
Receipt Date

No 003037

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 735.14

3781772



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
 Memphis, TN 38114  
 Phone No. (901) 775-0173  
 Waste ID. Code No: TUN-9807002

Waste Generation Location: SAME

Address:

Phone No. ( )

Special Handling Instructions and Additional Information

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

25.65

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other.

Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TACK KALLAL  
 Generator Authorized Agent

Signature

Shipment Date 7.25.98

## TRANSPORTER

Truck No.: RM-5  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
 Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): TOMMY KROSS

Vehicle License No./State: H-07875

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

TOMMY KROSS  
 Signature

Pickup Date 7.30.98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

Signature

7.30.98  
 Receipt Date

003038

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 763.82



# USA WASTE SERVICES

3781773

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

21.71

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kullaf  
Generator Authorized Agent

Jack Kullaf  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No.: Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Jackie Yount

Address: 1340 Gwynn Road

Vehicle License No./State: A 07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
Signature 7.30.98  
Pickup Date

Signature \_\_\_\_\_  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7.30.98  
Receipt Date

No 003039

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 805.15

3781774



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

19.62

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

 JACK KELLER  
 Generator Authorized Agent

 [Signature]  
 Signature

 7.25.98  
 Shipment Date

## TRANSPORTER

Truck No. AM-3

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM DINEAL

Address: 1340 Gwynn Road

Vehicle License No./State: AD 7877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

 [Signature]  
 Signature

 7.30.98  
 Pickup Date

 [Signature]  
 Signature

 7.30.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

 [Signature]  
 Name (print)

 [Signature]  
 Signature

 7.30.98  
 Receipt Date

0003040

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 803.44



# USA WASTE SERVICES

3781775

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	21.94	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No. GT-5

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A 08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Signature Joe Graham 7.30.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7.30.98  
Receipt Date

No 003042

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 852.76





# USA WASTE SERVICES

3781776

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

State ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

21.6'

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kukul  
Generator Authorized Agent

Signature: JACK Kukul

Shipment Date: 7.25.98

### TRANSPORTER

Truck No.: PM-5

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Tommy Ross

Address: 1340 Gwynn Road

Vehicle License No./State: A-07875

Nesbit, MS 38651

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Ross 7.30.98  
Signature Pickup Date

Signature: \_\_\_\_\_

Delivery Date: \_\_\_\_\_

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

J. G. Gifford  
Name (print)

Signature: J. G. Gifford

Receipt Date: 7.30.98

003043

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 574.37



# USA WASTE SERVICES

3781777

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	23.01	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK K. Hall  
Generator Authorized Agent

[Signature]  
Signature

7-25-88  
Shipment Date

### TRANSPORTER

Truck No.: R-3  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): W. L. A. E. I.  
Vehicle License No./State: A07877  
Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 7-30-88  
Signature Pickup Date

[Signature] 7-30-88  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

C. Griffin  
Name (print)

[Signature]  
Signature

7-30-88  
Receipt Date

No 003044

White — LANDFILL Yellow — GENERATOR Pink — TRANSPORTER

TOTAL TO DATE: 897.38

3781778



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
 Memphis, TN 38114  
 Phone No.: (901) 775-0173  
 State ID Code No: TUN-9807002

Waste Generation Location: SAME

Address:

Phone No.: ( )

Special Handling Instructions and Additional Information

Permit Number: SW-0720010459

Ticket Number

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

25.67

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DAIK Kallal  
Generator Authorized Agent

Signature: [Signature]

7/25/98  
Shipment Date

## TRANSPORTER

Truck No.: DM4  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
 Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No./State: A07879

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Signature: [Signature]

7/30/98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

1/1  
Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature: [Signature]

Signature

7/30/98  
Receipt Date

0003045

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 830.82



# USA WASTE SERVICES

3781779

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

26.96

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No.: 210-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A 07881

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT  
Signature

7.30.98  
Pickup Date

Signature

7.30.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

7.30.98  
Receipt Date

**№ 003046**

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

**TOTAL TO DATE: 924.34**

3781780



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID. Code No. TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated Soil

#### Actual Quantity

22.74

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kullal  
 Generator Authorized Agent

Signature: [Signature]

7/25/98  
 Shipment Date

### TRANSPORTER

Truck No.: RM-1  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): RAY Young

Vehicle License No./State: AO 7879

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young  
 Signature

7/30/98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: \_\_\_\_\_

7/30/98  
 Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Signature (print)

[Signature]  
 Signature

7/30/98  
 Receipt Date

003047

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 947.08



# USA WASTE SERVICES

3781781

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:                     

Customer Number:                     

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

21.34

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:                       
Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLA  
Generator Authorized Agent

[Signature]  
Signature

7/25/98  
Shipment Date

### TRANSPORTER

Truck No.: GT-8

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 74497

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature

7/30/98  
Pickup Date

[Signature]  
Signature

7/30/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:                     

Discrepancies:                     

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

[Signature]  
Signature

7/30/98  
Receipt Date

No 003048

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 968.42

3781782



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No: (901) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. (\_\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

24.21

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

8.5.98  
 Shipment Date

## TRANSPORTER

Truck No.: PM-3  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No: (601) 429-2200

Driver Name (print): WILLIAM O'NEAL

Vehicle License No./State: A 07877

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

William O'Neal 8.5.98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal 8.5.98  
 Signature Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

G. Griffin  
 Signature

8.5.98  
 Receipt Date

0003049

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 971.29



# USA WASTE SERVICES

3781783

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

26.36

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

8.5.98  
Shipment Date

### TRANSPORTER

Truck No.: RM4

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print): RAY Young

Address: 1340 Gwynn Road

Vehicle License No./State: AO 2879

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

R Young  
Signature

8.5.98  
Pickup Date

[Signature]  
Signature

1/1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

[Signature]  
Signature

8.5.98  
Receipt Date

Nº 003050

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 977.67





# USA WASTE SERVICES

3781784

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No: ( 901 ) 775-0173  
 Waste ID Code No: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	28.30	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
 Generator Authorized Agent

JACK KALLAL  
 Signature

8.5.98  
 Shipment Date

### TRANSPORTER

Truck No: K117  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): JACKIE BOWEN  
 Vehicle License No./State: A07881 MS  
 Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE BOWEN  
 Signature Pickup Date 8.5.98

Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664  
 Discrepancies: \_\_\_\_\_

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

J. Griffin  
 Name (print)

J. Griffin  
 Signature

8.5.98  
 Receipt Date

003051

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1025.97



# USA WASTE SERVICES

3781785

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

25.40

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

8.15.98  
Shipment Date

### TRANSPORTER

Truck No.: RM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM O'NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: AD7877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal  
Signature 8.15.98  
Pickup Date

William O'Neal  
Signature 8.15.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8.15.98  
Receipt Date

№ 003052

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1051.37

3781786

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 State ID. Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

h Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

SPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**Dieldrin Contaminated  
Soil

26.58

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

Shipment Date

**TRANSPORTER**

Truck No.: Rm-5  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): Tommy K. RossVehicle License No./State: A-07875Vehicle Certification: MDOT

I, by my signature, certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Ross  
 Signature

8.5.98  
 Pickup Date

Signature

Delivery Date

**DESTINATION**

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003053

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1102.82



# USA WASTE SERVICES

3781787

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.87

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8.5.98  
Shipment Date

### TRANSPORTER

Truck No.: RMY

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Ray Young

Address: 1340 Gwynn Road

Vehicle License No./State: A 07879

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature

8.5.98  
Pickup Date

Signature \_\_\_\_\_  
Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8.5.98  
Receipt Date

**NO 003054**

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

**TOTAL TO DATE: 1076.24**

3781788

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID. Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Handlers USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**

Dieldrin Contaminated  
Soil

23.24

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

8.15.98  
 Shipment Date

**TRANSPORTER**

Truck No. RM-3  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): WILLIAM ONEAL

Vehicle License No./State: 407977

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

William Oneal  
 Signature

8.15.98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William Oneal  
 Signature

8.18.95  
 Delivery Date

**DESTINATION**

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

Signature

8.15.98  
 Receipt Date

003055

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1126-10



# USA WASTE SERVICES

3781789

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

23.62

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

[Signature]  
Signature

8.5.98  
Shipment Date

### TRANSPORTER

Truck No.: RM4

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Ray Young

Address: 1340 Gwynn Road

Vehicle License No./State: A 07579

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature

8.5.98  
Pickup Date

[Signature]  
Signature

1/1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

[Signature]  
Signature

8.5.98  
Receipt Date

**№ 003056**

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

**TOTAL TO DATE: 1149.72**

3781790



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste

Generation

Location:

SAME

Address: 2163 Airways Blvd.

Address

Memphis, TN 38114Phone No. ( 901 ) 775-0173

Phone No.: ( )

EPA ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.23

☐ Pounds☒ Tons☐ Cu. Yd.☐ Cu. Ft.☐ Drum☒ Truck☐ Carton☐ Box☐ Bag☐ Other:

Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Signature: JACK Kallal

Generator Authorized Agent

Signature

JACK Kallal

8.13.98

Shipment Date

## TRANSPORTER

Truck No.: Rm 7Transporter Name: Matthews TruckingAddress: 1340 Gwynn RoadNesbit, MS 38651Transporter Phone No.: (601) 429-2200Driver Name (print): JACKIE YOUNTVehicle License No./State: A 07881Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Signature: Jackie Yount

Signature

8.13.98

Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: (601) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print): JACKIE YOUNT

Signature

Signature

Jackie Yount

8.13.98

Receipt Date

0003057

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 1173.95



# USA WASTE SERVICES

3781791

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.48

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kuller  
Generator Authorized Agent

JACK Kuller  
Signature

7.25.98  
Shipment Date

### TRANSPORTER

Truck No: GT-8

Transporter Phone No: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Berchem

Address: 1340 Gwynn Road

Vehicle License No./State: A 08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: \_\_\_\_\_ Pickup Date: 8.13.98

Signature: Joe Berchem Delivery Date: 8.13.98

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8.13.98  
Receipt Date

No 003041

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 1198.43



3781792



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.70

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other  
 Volume:

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TRICK Kallal

Generator Authorized Agent

Signature

8.15.98

Shipment Date

## TRANSPORTER

Truck No.: RM-3

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM O'NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: A 07877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

I, by my signature, certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal

Signature

8.13.98

Pickup Date

William O'Neal

Signature

8.13.98

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. GRIFFIN

Name (print)

Signature

8.13.98

Receipt Date

003058

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1223.13



# USA WASTE SERVICES

3781793

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

26.81

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8-5-98  
Shipment Date

### TRANSPORTER

Truck No.: RM-5

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): TOMMY ROSS

Address: 1340 Gwynn Road

Vehicle License No./State: 407815

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Ross 8.13.98  
Signature Pickup Date

\_\_\_\_\_  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

Greg Griffin  
Signature

8.13.98  
Receipt Date

No 003063

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1249.94

3781794



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

h Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

23.10

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Signature

Jack Kallal

Shipment Date

8-13-98

## TRANSPORTER

Truck No.: Rm 7  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): JACKIE YOUNTVehicle License No./State: A 07881 MSVehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount  
 Signature

Pickup Date

8.13.98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
 Signature

Delivery Date

8.13.98

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

Signature

Receipt Date

8.13.98

003059

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1338.52



# USA WASTE SERVICES

3781795

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

17.36

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

8/13/98  
Shipment Date

### TRANSPORTER

Truck No. \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print): \_\_\_\_\_

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: \_\_\_\_\_

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

Greg Griffin  
Signature

8/13/98  
Receipt Date

**№ 003060**

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

**TOTAL TO DATE: 1315.12**

3781796

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No.: (901) 775-0173  
EPA ID Code No.: TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No.: (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171**Waste Description****Actual Quantity****Units****Container Type**Dieldrin Contaminated  
Soil23.51

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DAK Kallal  
Generator Authorized Agent

Signature

8/13/98  
Shipment Date**TRANSPORTER**

Truck No.: \_\_\_\_\_  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200Driver Name (print): Joe GrahamVehicle License No./State: A08242Vehicle Certification: MDOT 744970

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

**DESTINATION**

Name: Trash Hunters USA Of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

Signature

8/13/98  
Receipt Date

2 003061

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1297.76



# USA WASTE SERVICES

3781797

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Waste ID Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste  
Generation  
Location: \_\_\_\_\_

SAME

Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated  
Soil

#### Actual Quantity

24.31

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

[Signature]  
Signature

8-13-98  
Shipment Date

### TRANSPORTER

Truck No.: RM4

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road

Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No./State: AO7879

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature]  
Signature

8-13-98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature

8-13-98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

8-13-98  
Receipt Date

No 003062

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1274.25

3781798



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.70

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_

Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

JACK Kallal

8.13.98  
 Shipment Date

## TRANSPORTER

Truck No.: RN-3  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): WILLIAM O'NEALVehicle License No./State: 407877Vehicle Certification: MDOT 490277

By my signature, I certify that the above material was picked up at the Generator site listed above.

William O'Neal  
 Signature

8.13.98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal  
 Signature

8.13.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
 Name (print)

Signature

8.13.98  
 Receipt Date

003078

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1363.22



# USA WASTE SERVICES

3781799

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No: ( 901 ) 775-0173

Phone No: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

25.77

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8.13.98  
Shipment Date

### TRANSPORTER

Truck No: RM-5

Transporter Phone No: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Tommy Ross

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: A-07875

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Ross 8.13.98  
Signature Pickup Date

Tommy Ross  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8.13.98  
Receipt Date

NO 003077

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:



3781800



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

27.00

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL

Generator Authorized Agent

Signature

JACK KALLAL

8.13.98

Shipment Date

## TRANSPORTER

Truck No.: RMH

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Ray Young

Address: 1340 Gwynn Road

Vehicle License No./State: A07519

Nesbit, MS 38651

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Ray Young

8.13.98

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print)

003075

Signature

G. Griffin

8.13.98

Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:

1416.05



# USA WASTE SERVICES

3781801

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No ( 901 ) 775-0173

Phone No: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

28.13

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8.13.98  
Shipment Date

### TRANSPORTER

Truck No. Bm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT 8.13.98  
Signature Pickup Date

JACKIE YOUNT 8.13.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffith  
Name (print)

G. Griffith  
Signature

8.13.98  
Receipt Date

NO 003074

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1444.18

3781802



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

Bryant

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

Site ID Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

26.26

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:

Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.:

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08292

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003076

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1472.44



# USA WASTE SERVICES

3781803

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

23.17

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kaller  
Generator Authorized Agent

Jack Kaller  
Signature

8/13/98  
Shipment Date

### TRANSPORTER

Truck No. RM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM MEECE

Address: 1340 Gwynn Road

Vehicle License No./State: AD7877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William Meece 8/13/98  
Signature Pickup Date

William Meece 8/13/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8/14/98  
Receipt Date

No 003073

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1495.61

3781804



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID. Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generator: Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.49

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

8.13.98  
 Shipment Date

## TRANSPORTER

Truck No.: GT-9  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): Joe GrahamVehicle License No./State: A 08242Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

Signature: \_\_\_\_\_  
 Pickup Date: \_\_\_\_\_

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Joe Graham  
 Signature  
8.14.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Joe Graham  
 Name (print)

Joe Graham  
 Signature

8.14.98  
 Receipt Date

? 003071

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1520.10



# USA WASTE SERVICES

3781805

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

27.53

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLAL  
Generator Authorized Agent

JACK KULLAL  
Signature

8/13/98  
Shipment Date

### TRANSPORTER

Truck No.: Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT 8/14/98  
Signature Pickup Date

JACKIE YOUNT 8/14/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8/14/98  
Receipt Date

NO 003072

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1547.63

3781806



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID. Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.62

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

THACK Kella  
 Generator Authorized Agent

Signature

Shipment Date

8.14.98

## TRANSPORTER

Manifest No.: RM-3Transporter Phone No.: (601) 429-2200Transporter Name: Matthews TruckingDriver Name (print): WILLIAM D. BELLAddress: 1340 Gwynn RoadVehicle License No./State: A07877Nesbit, MS 38651Vehicle Certification: MDOT 490577

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William D. Bell  
 Signature

Pickup Date

Signature

Delivery Date

8.14.98

WILLIAM D. BELL

8.14.98

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: (601) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Gertrine  
 Name (print)

Signature

Receipt Date

003064

8.14.98

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 1572.25



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781807

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

28.56

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

8.14.98  
Shipment Date

### TRANSPORTER

Truck No. RM4

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): RAY Young

Address: 1340 Gwynn Road

Vehicle License No./State: AO 7599

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature

8.14.98  
Pickup Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

8.14.98  
Receipt Date

No 003065

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1600.81



3781803



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No. (901) 775-0173

Phone No. ( )

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.66

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

 JACK Kallal  
 Generator Authorized Agent

Signature

8.14.98  
Shipment Date

## TRANSPORTER

Truck No.: GT-8

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Grichen

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

8.14.98  
Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature

Signature

8.14.98  
Receipt Date

003067

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1625.47



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781809

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

27.05

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8.14.98  
Shipment Date

### TRANSPORTER

Truck No. Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: A0881MS

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT  
Signature 8.14.98  
Pickup Date

8.14.99  
Signature 8.14.99  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8.14.98  
Receipt Date

№ 003066

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1652.52

3781810



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

State ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

21.70

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal

Generator Authorized Agent

Signature

[Signature]

8.14.98  
Shipment Date

### TRANSPORTER

Truck No. BM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM D. DINEAL

Address: 1340 Gwynn Road

Vehicle License No./State: AD1877

Nesbit, MS 38651

Vehicle Certification: MDOT 490217

By my signature, I certify that the above material was picked up at the Generator site listed above.

William Dineal

Signature

8.14.98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William Dineal

Signature

8.14.98  
Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Specialties: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

FF PAPASAN

(print)

Signature

8.14.98  
Receipt Date

003068

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1674.22



# USA WASTE SERVICES

3781811

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No ( 901 ) 775-0173

Phone No: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

243

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

8.14.98  
Shipment Date

### TRANSPORTER

Truck No.: RM14

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): R Young

Address 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: A 07879

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

R Young  
Signature

8.14.98  
Pickup Date

Signature \_\_\_\_\_

1/1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

JEFF KAPLAN  
Name (print)

Jeff Kaplan  
Signature

8.14.98  
Receipt Date

No 003069

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1698.35

3781812



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. (901) 775-0173

Phone No.: (\_\_\_\_) \_\_\_\_\_

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Handlers USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil22.00
☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
 Generator Authorized Agent
Signature Jack KallalShipment Date 8.14.98

## TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: (601) 429-2200Transporter Name: Matthews TruckingDriver Name (print): Joe GrahamAddress: 1340 Gwynn RoadVehicle License No./State: A08242Nesbit, MS 38651Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Pickup Date 8.14.98Signature Joe GrahamDelivery Date 8.14.98

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: (601) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

TEFF PAPA  
 Name (print)

Signature \_\_\_\_\_

Receipt Date 8.14.98Manifest No. 003070

White — LANOFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:

1720.35



# USA WASTE SERVICES

3781813

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

23.66

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

JACK KALLAL  
Signature

8.14.98  
Shipment Date

### TRANSPORTER

Truck No.: Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A0881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT 8.14.98  
Signature Pickup Date

JACKIE YOUNT 8.14.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

JEFF PAPABIAN  
Name (print)

JEFF PAPABIAN  
Signature

8.14.98  
Receipt Date

No 003101

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1744.01

3781814



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No.: (901) 775-0173

Phone No.: (\_\_\_\_) \_\_\_\_\_

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

26.02

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

Jack Kallal

Shipment Date

8.17.98

## TRANSPORTER

Truck No.: GT-8Transporter Phone No.: (601) 429-2200Transporter Name: Matthews TruckingDriver Name (print): Joe GrahamAddress: 1340 Gwynn RoadVehicle License No./State: A 08242Nesbit, MS 38651Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: (601) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Joe Graham  
 Signature (print)

Signature

Receipt Date

8.17.98

003102

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1770.03



# USA WASTE SERVICES

3781815

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: (901) 775-0173

Phone No.: ( )

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.30

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLER  
Generator Authorized Agent

JACK KULLER  
Signature

8/17/98  
Shipment Date

### TRANSPORTER

Truck No.: RM4

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): R Young

Address: 1340 Gwynn Road

Vehicle License No./State: 20 7879

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

R Young  
Signature

8/17/98  
Pickup Date

1/1  
Signature

1/1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Griffith  
Name (print)

Griffith  
Signature

8/17/98  
Receipt Date

No 003108

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1798.33



3781816



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

29.06

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_

Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TACK Kuller  
 Generator Authorized Agent

Signature

TACK Kuller

Shipment Date

8/17/98

## TRANSPORTER

Truck No.: Rm 7  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): JACKIE YOUNTVehicle License No./State: A0881 MSVehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount  
 Signature

8/17/98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
 Signature

8/17/98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. G. Smith  
 Name (print)

Signature

Receipt Date

2 003107

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1827.39



# USA WASTE SERVICES

3781817

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

25.29

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8.17.98  
Shipment Date

### TRANSPORTER

Truck No.: 4LB 22

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): HL BANDRUM

Address: 1340 Gwynn Road

Vehicle License No./State: A02307

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Home  
Signature

8.17.98  
Pickup Date

Signature \_\_\_\_\_  
Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffith  
Name (print)

G. Griffith  
Signature

8.17.98  
Receipt Date

No 003086

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 18.52.68

3781818



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

25.66

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

TACK Kallal  
 Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.: GT-6  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): Joe GrahamVehicle License No./State: A08242Vehicle Certification: MDOT 744570

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003106

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 1878.34



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781819

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

27.16

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kuller  
Generator Authorized Agent

JACK Kuller  
Signature

8.17.98  
Shipment Date

### TRANSPORTER

Truck No.: GT-6

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffith  
Name (print)

G. Griffith  
Signature

8.17.98  
Receipt Date

No 003104

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1905.50

3781820

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 State ID. Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generator: Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**

Dieldrin Contaminated Soil

26.30

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

8/17/98  
 Shipment Date

**TRANSPORTER**

Truck No.: RMY  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): R Young

Vehicle License No./State: A07879

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

R Young  
 Signature

8/17/98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

8/17/98  
 Signature Delivery Date

**DESTINATION**

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

8/17/98  
 Name (print)

8/17/98  
 Signature

8/17/98  
 Receipt Date

2 003105

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1931.86



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781821

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.89

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kuller  
Generator Authorized Agent

JACK Kuller  
Signature

8.17.98  
Shipment Date

### TRANSPORTER

Truck No. Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A0881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 8.17.98  
Signature Pickup Date

Jackie Yount 8.17.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. G. G. G.  
Name (print)

G. G. G. G.  
Signature

8.17.98  
Receipt Date

No 003103

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 1958.75

3781822



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location:

SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No. (901) 775-0173

Phone No. ( )

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

21.43

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.: HLB 22

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): H L BULL PRIMA

Address: 1340 Gwynn Road

Vehicle License No./State: AG 2307

Nesbit, MS 38651

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003095

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 1980.18



# USA WASTE SERVICES

3781823

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

28.93

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

8/17/98  
Shipment Date

### TRANSPORTER

Truck No.: Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A0881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
Signature

8/17/98  
Pickup Date

Jackie Yount  
Signature

8/17/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8/17/98  
Receipt Date

No 003093

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2009.11



3781824



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil26.65
☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLER  
 Generator Authorized Agent

[Signature]  
 Signature

8.17.98  
 Shipment Date

## TRANSPORTER

Truck No.: LM-3Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): MIKE CURLEAddress: 1340 Gwynn RoadVehicle License No./State: A 07877 MSNesbit, MS 38651Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Pickup Date 8.17.98Signature [Signature]Delivery Date 8.17.98

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
 Name (print)
Signature [Signature]Receipt Date 8.17.98

003092

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2035.76



# USA WASTE SERVICES

3781825

Bryant

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**Dieldrin Contaminated  
Soil

25.71

- ☐
- Pounds
- 
- ☒
- Tons
- 
- ☐
- Cu. Yd.
- 
- ☐
- Cu. Ft.

- ☐
- Drum
- ☒
- Truck
- 
- ☐
- Carton
- ☐
- Box
- 
- ☐
- Bag
- ☐
- Other: \_\_\_\_\_
- 
- Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

### TRANSPORTER

Truck No. \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): Joe GrahamAddress: 1340 Gwynn RoadVehicle License No./State: 1-A08242Nesbit, MS 38651Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

No 003094

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 2061.47

3781826



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID Code No: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

26.94

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

8.17.98  
 Shipment Date

## TRANSPORTER

Ticket No.: RM-5Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): Tommy RossAddress: 1340 Gwynn RoadVehicle License No./State: A-02875Nesbit, MS 38651Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Ross  
 Signature

8.17.98  
 Pickup Date

Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Jeff Kallal  
 Name (print)

[Signature]  
 Signature

8.17.98  
 Receipt Date

003090

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2088.41



# USA WASTE SERVICES

3781827

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

27.31

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8.17.98  
Shipment Date

### TRANSPORTER

Truck No.: RMY

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): R Young

Address: 1340 Gwynn Road

Vehicle License No./State: A 07839

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

R Young  
Signature

8.17.98  
Pickup Date

1 1  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

TEFF PAPPASIAN  
Name (print)

TEFF PAPPASIAN  
Signature

8.17.98  
Receipt Date

No 003091

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 2115.72

3781828

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**

Dieldrin Contaminated Soil

22.78

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
 Generator Authorized Agent

Signature JACK KALLAL

8.17.98  
 Shipment Date

**TRANSPORTER**

Truck No.: Rm7  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): JACKIE YOUNT

Vehicle License No./State: A0881 MS

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount  
 Signature 8.17.98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
 Signature 8.17.98  
 Delivery Date

**DESTINATION**

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Jeff Capason  
 Name (print)

Signature Jeff Capason

8.17.98  
 Receipt Date

003089

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2138.50



# USA WASTE SERVICES

3781829

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

20.88

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8/17/98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): MIKE CURLE

Address: 1340 Gwynn Road

Vehicle License No./State: A07827 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_  
Pickup Date \_\_\_\_\_

Mike Curle  
Signature \_\_\_\_\_  
Delivery Date 8/17/98

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

JEFF PAPASAW  
Name (print)

JEFF PAPASAW  
Signature

8/17/98  
Receipt Date

No 003088

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2159.38

3781830



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. ( 901 ) 775-0173

Phone No: ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

b Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil23.27
☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

8.21.98  
 Shipment Date

## TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): Joe GrotenAddress: 1340 Gwynn RoadVehicle License No./State: A08242Nesbit, MS 38651Vehicle Certification: MDOT 74497

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Pickup Date 8.21.98Signature Joe GrotenDelivery Date 8.21.98

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print) JSGSignature [Signature]Receipt Date 8.21.98

Q 003084

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2307.59



# USA WASTE SERVICES

3781831

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.55

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kullal  
Generator Authorized Agent

JACK Kullal  
Signature

8/21/98  
Shipment Date

### TRANSPORTER

Truck No.: GT-8

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JOE Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

1/1  
Pickup Date

Joe Graham  
Signature

8/21/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. G. Smith  
Name (print)

G. G. Smith  
Signature

8/21/98  
Receipt Date

No 003085

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 2284.32



3781832



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

 Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location:

SAME

 Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

 Phone No.: (901) 775-0173

Phone No.: ( )

 State ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number:

Customer Number:

RESPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil
22.69
☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

8/21/98  
 Shipment Date

### TRANSPORTER

 Truck No. GT-8

 Transporter Phone No.: (601) 429-2200

 Transporter Name: Matthews Trucking

 Driver Name (print): Joe Graham

 Address: 1340 Gwynn Road

 Vehicle License No./State: A08242
Nesbit, MS 38651

 Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

 Signature: \_\_\_\_\_  
 Pickup Date: 8/21/98

 Signature: Joe Graham  
 Delivery Date: 8/21/98

### DESTINATION

 Name: Trash Hunters USA Of Tunica, Inc.

 Phone No.: (601) 363-2282

 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

 Signature: Joe Graham  
 Signature

8/21/98  
 Receipt Date

003096

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

 TOTAL TO DATE: 2259.77



# USA WASTE SERVICES

3781833

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

25.76

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

JACK KALLAL  
Signature

8.21.98  
Shipment Date

### TRANSPORTER

Truck No.: RM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM O'NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: AD7877

Nesbit, MS 38651

Vehicle Certification: MDOT490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal 8.21.98  
Signature Pickup Date

William O'Neal 8.21.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg  
Name (print)

Greg  
Signature

8.21.98  
Receipt Date

No 003097

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2237.08



# USA WASTE SERVICES

3781834

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

State ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.14

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Kuller  
Generator Authorized Agent

John Kuller  
Signature

8.21.98  
Shipment Date

### TRANSPORTER

Truck No.: 65-A

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A 08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: \_\_\_\_\_

Pickup Date: 8.21.98

Signature: Joe Graham

Delivery Date: 8.21.98

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): G. Graham

Signature: G. Graham

8.21.98  
Receipt Date

003098

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 2211.32



# USA WASTE SERVICES

3781835

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

25.80

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLER  
Generator Authorized Agent

JACK KULLER  
Signature

8-27-98  
Shipment Date

### TRANSPORTER

Truck No.: RM-3

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM O'NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: AD7877

Nesbit, MS 38651

Vehicle Certification: MDOT490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William O'Neal  
Signature

8-21-98  
Pickup Date

William O'Neal  
Signature

8-21-98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Greg Griffin  
Name (print)

Greg Griffin  
Signature

8-21-98  
Receipt Date

No 003087

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 2185.18

3781836



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID. Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

27.71

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

TRAC Kallal  
 Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.: RM4  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): R. YoungVehicle License No./State: AO 7879Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

R. Young  
 Signature Pickup Date 8/27/98

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

S. Griffin  
 Signature (print)

Signature

Receipt Date

003083

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2335,30



# USA WASTE SERVICES

3781837

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No (901) 775-0173

Phone No.: (\_\_\_\_\_) \_\_\_\_\_

Waste ID. Code No: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

22.91

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

8/27/98  
Shipment Date

### TRANSPORTER

Truck No. GT-8

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Signature Joe Graham 8/27/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8/27/98  
Receipt Date

No 003082

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2358.21

3781833



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. (301) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME

Address \_\_\_\_\_

Phone No.: (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.74

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

8<sup>27</sup> 28, 98  
 Shipment Date

### TRANSPORTER

Truck No.: RM-7  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
 Driver Name (print): Barry Anglin  
 Vehicle License No./State: AO 7881  
 Vehicle Certification: MDOT 446277

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664  
 Discrepancies: \_\_\_\_\_

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Barry Anglin  
 Name (print)  
003081

Barry Anglin  
 Signature

8 22, 98  
 Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2382.98



# USA WASTE SERVICES

3781839

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

22.37

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

8-27-98  
Shipment Date

### TRANSPORTER

Truck No.: RM-5

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Tommy Ross

Address: 1340 Gwynn Road

Vehicle License No./State: A-0872

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Tommy Ross  
Signature

8-27-98  
Pickup Date

Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Griffin  
Name (print)

G. Griffin  
Signature

8-27-98  
Receipt Date

No 003080

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 2405.32



3781840



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

26.27

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal

Generator Authorized Agent

Signature

JACK Kallal

8/27/98  
Shipment Date

## TRANSPORTER

Truck No.: RM-3

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): WILLIAM D'NEAL

Address: 1340 Gwynn Road

Vehicle License No./State: AD 7877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William D'Neal 8/27/98  
Signature Pickup Date

William D'Neal 8/27/98  
Signature Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

8/27/98  
Receipt Date

003079

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 2431.59



# USA WASTE SERVICES

3781841

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address \_\_\_\_\_

Phone No. (901) 775-0173

Phone No.: (\_\_\_\_\_) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

26.55

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLAL  
Generator Authorized Agent

JACK KULLAL  
Signature

8.27.98  
Shipment Date

### TRANSPORTER

Truck No.: GT-8

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_  
Pickup Date \_\_\_\_\_

Signature Joe Graham  
Delivery Date 8.27.98

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Joe Graham  
Name (print)

Joe Graham  
Signature

8.27.98  
Receipt Date

No 003099

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2458.14

3781842



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

2856

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

 JACK Kella  
 Generator Authorized Agent

Signature

 8/27/98  
 Shipment Date

## TRANSPORTER

Truck No.: BMY

Transporter Phone No. (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): R Young

Address: 1340 Gwynn Road

Vehicle License No./State: A07879

Nesbit, MS 38651

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

 8/27/98  
 Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

8/27/98  
Receipt Date

003120

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:

2486.70



# USA WASTE SERVICES

3781843

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

23.64

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kalla  
Generator Authorized Agent

[Signature]  
Signature

8/27/98  
Shipment Date

### TRANSPORTER

Truck No.: RM-7

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Barry Anglin

Address: 1340 Gwynn Road

Vehicle License No./State: AO288C

Nesbit, MS 38651

Vehicle Certification: MDOT 440297

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

No 003100

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2510.34

3781844



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID. Code No.: TUN-9807002  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.93

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

8/31/98  
 Shipment Date

### TRANSPORTER

Truck No.: 22  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): H L BUNDREY

Vehicle License No./State: A 02307

Vehicle Certification: MDOT

I hereby certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Harold Bundrey  
 Signature

8/31/98  
 Pickup Date

Harold Bundrey  
 Signature

8/31/98  
 Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

003109  
 File (print)

P. Goff  
 Signature

8/31/98  
 Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2535 27



# USA WASTE SERVICES

3781845

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd. Address: \_\_\_\_\_

Memphis, TN 38114

Phone No.: (901) 775-0173 Phone No.: (\_\_\_\_) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	27.68	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal [Signature] 8/31/98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: GT-8 Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking Driver Name (print): Joe Grochen

Address: 1340 Gwynn Road Vehicle License No./State: 0A08242

Nesbit, MS 38651 Vehicle Certification: MDOT 794970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 1/1 [Signature] 8/31/98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 8/31/98  
Name (print) Signature Receipt Date

Nº 003110

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2562.95

3781846



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

State ID Code No: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

27.15

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLER  
Generator Authorized Agent

Jack Kuller  
Signature

8/31/98  
Shipment Date

### TRANSPORTER

Truck No.: Rm 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A0881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
Signature

8/31/98  
Pickup Date

Jackie Yount  
Signature

8/31/98  
Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): FSB

FSB  
Signature

8/31/98  
Receipt Date

Q 003111

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2590.10



# USA WASTE SERVICES

3781847

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

27.79

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

8/27/98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): William Orsini

Address: 1340 Gwynn Road

Vehicle License No./State: Δ 29877

Nesbit, MS 38651

Vehicle Certification: MDOT 490277

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

William Orsini 8/31/98  
Signature Pickup Date

William Orsini 8/31/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) \_\_\_\_\_

Signature \_\_\_\_\_

8/31/98  
Receipt Date

No 003112

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2617.89



3781848



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

 Name of Generator: Defense Distribution Depot, Memphis

 Waste Generation Location: SAME

 Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

 Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

 Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Handlers USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil
26.94
☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

8/31/98  
 Shipment Date

### TRANSPORTER

 Truck No.: 278B 22

 Transporter Phone No.: ( 601 ) 429-2200

 Transporter Name: Matthews Trucking

 Driver Name (print): AL BURKUM

 Address: 1340 Gwynn Road

 Vehicle License No./State: A02307
Nesbit, MS 38651

 Vehicle Certification: MDOT

I, by my signature, certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

AL Burkum  
 Signature

8/31/98  
 Pickup Date

AL Burkum  
 Signature

8/31/98  
 Delivery Date

### DESTINATION

 Name: Trash Hunters USA Of Tunica, Inc.

 Phone No.: ( 601 ) 363-2282

 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

 Name (print): GSB

 Signature: GSB
8/31/98  
 Receipt Date

 ID: 003113

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:

2644.83



# USA WASTE SERVICES

3781849

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

2746

- ☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kullal  
Generator Authorized Agent

JACK Kullal  
Signature

8/31/98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Signature Joe Graham 8/31/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

C. Griffin  
Name (print)

C. Griffin  
Signature

8/31/98  
Receipt Date

No 003114

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2672.29

3781850



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. (901) 775-0173

Phone No. (\_\_\_\_) \_\_\_\_\_

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

b Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

30.31

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

[Signature]  
 Signature

8/31/98  
 Shipment Date

## TRANSPORTER

Truck No. Rm-7Transporter Phone No.: (601) 429-2200Transporter Name: Matthews TruckingDriver Name (print): JACKIE YOUNTAddress: 1340 Gwynn RoadVehicle License No./State: A0881 MSNesbit, MS 38651Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount  
 Signature

8/31/98  
 Pickup Date

Jackie Yount  
 Signature

8/31/98  
 Delivery Date

## DESTINATION

Name Trash Hunters USA Of Tunica, Inc.Phone No.: (601) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003115

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2702 60



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781851

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. (901) 775-0173

Phone No. (\_\_\_\_) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

2657

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KELLAL  
Generator Authorized Agent

JACK KELLAL  
Signature

8-27-98  
Shipment Date

### TRANSPORTER

Truck No.: HJB 22

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): H L BENDRUM

Address: 1340 Gwynn Road

Vehicle License No./State: A 02307

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Homer Bendrum 8-31-98  
Signature Pickup Date

Homer Bendrum 8-31-98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

8-31-98  
Receipt Date

No 003116

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2729.17

3781852



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location:

SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No.: (901) 775-0173

Phone No.: ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

26.10

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal

Generator Authorized Agent

Signature

JACK Kallal

8/31/98

Shipment Date

## TRANSPORTER

Truck No.: 65-6

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

8/31/98

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print)

Signature

8/31/98

Receipt Date

003117

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 2755.17



# USA WASTE SERVICES

3781853

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

29.52

- ☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

8/31/98  
Shipment Date

### TRANSPORTER

Truck No.: RMY

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): R Young

Address: 1340 Gwynn Road

Vehicle License No./State: A07579

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

R Young  
Signature

8,31,98  
Pickup Date

[Signature]  
Signature

[Signature]  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

8,31,98  
Receipt Date

No 003118

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2784.69

3781854



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste

Generation

Location:

SAME

Address: 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No. (901) 775-0173

Phone No. ( )

EPA ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number:

Customer Number:

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

24.58

☐ Pounds☒ Tons☐ Cu. Yd.☐ Cu. Ft.☐ Drum☒ Truck☐ Carton☐ Box☐ Bag☐ Other:

Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No.:

Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print):

Address: 1340 Gwynn Road

Vehicle License No./State:

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

2 003124

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 2409.27



# USA WASTE SERVICES

3781855

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.23

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

8.31.98  
Shipment Date

### TRANSPORTER

Truck No.: 22

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): H. L. BUNDRUM

Address: 1340 Gwynn Road

Vehicle License No./State: 402302

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

James B. Bundrum  
Signature

9.1.98  
Pickup Date

James B. Bundrum  
Signature

9.1.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. G. G. G.  
Name (print)

G. G. G. G.  
Signature

8.31.98  
Receipt Date

No 003122

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2912.74



3781856



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No.: (901) 775-0173  
EPA ID Code No.: TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No.: (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

b Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

28.59

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JPK Kallal  
Generator Authorized Agent

Signature

8/31/98  
Shipment Date

## TRANSPORTER

Truck No.: G5-8  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200Driver Name (print): Joe L. LohanVehicle License No./State: A05242Vehicle Certification: MDOT 744970

I, by my signature, certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

8/1/98  
Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

9/1/98  
Receipt Date

003121

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2834.56



# USA WASTE SERVICES

3781857

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.65

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

8,31,98  
Shipment Date

### TRANSPORTER

Truck No.: HJB 22

Transporter Phone No: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): \_\_\_\_\_

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: AC 2-367

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Harmon B. Burdick 9,1,98  
Signature Pickup Date

Harmon B. Burdick 9,1,98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

GG  
Name (print)

GG  
Signature

9,1,98  
Receipt Date

No 003125

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2859.41



# USA WASTE SERVICES

3781858

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No: ( 301 ) 775-0173  
 Waste ID Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number \_\_\_\_\_ Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	27.10	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu Yd. <input type="checkbox"/> Cu Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
 Generator Authorized Agent

JACK KALLAL  
 Signature

8.13.98  
 Shipment Date

### TRANSPORTER

Truck No.: GT-8  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): Joe Graham  
 Vehicle License No./State: A0 8242  
 Vehicle Certification: MDOT 744970

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Joe Graham  
 Signature 9.1.98  
 Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

GB  
 Name (print)

GB  
 Signature

9.1.98  
 Receipt Date

003123

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2886.51



# USA WASTE SERVICES

3781859

Bryant

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd. Address: \_\_\_\_\_

Memphis, TN 38114

Phone No.: (901) 775-0173 Phone No.: (\_\_\_\_) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>2287</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal [Signature] 8-5<sup>31</sup>, 98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: GT-8 Transporter Phone No.: (601) 429-2200

Transporter Name: Matthews Trucking Driver Name (print): Joe Graham

Address: 1340 Gwynn Road Vehicle License No./State: MD 1A28242

Nesbit, MS 38651 Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9-1-98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 9-1-98  
Name (print) Signature Receipt Date

NO 003119

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2935.61

3781860

**USA WASTE SERVICES****NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No. TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**

Dieldrin Contaminated  
Soil

23.77

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

Signature

9.12.98  
Shipment Date**TRANSPORTER**

Truck No.: GT-8  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): Joe GrchenVehicle License No./State: A08212Vehicle Certification: MDOT 744970

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

9.12.98  
Delivery Date**DESTINATION**

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003135

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2959.38



# USA WASTE SERVICES

3781861

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No.: (901) 775-0173 Phone No.: (\_\_\_\_\_) \_\_\_\_\_  
Waste ID. Code No.: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>22.30</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kella [Signature] 9.2.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: 2285 22 Transporter Phone No.: (601) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): H. B. Bland  
Address: 1340 Gwynn Road Vehicle License No./State: A02307  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9.2.98 [Signature] 9.2.98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: (601) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. G. Giff [Signature] 9.2.98  
Name (print) Signature Receipt Date

No 003126

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2981.74



# USA WASTE SERVICES

3781862

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
EPA ID. Code No. TUN-9807002

Waste Generation Location: SAME  
Address \_\_\_\_\_  
Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

by Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

22.43

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized Agent

Signature

9.2.98  
Shipment Date

### TRANSPORTER

Truck No.: GT-4  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): Joe Graham  
Vehicle License No./State: A08242  
Vehicle Certification: MDOT 744970

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date 9.2.98

Signature

9.2.98  
Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) \_\_\_\_\_ Signature G. Graham

9.2.98  
Receipt Date

003127

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3004.17



# USA WASTE SERVICES

3781863

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID Code No.: TUN-9807002  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	23.52	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

TRUCK Kallal [Signature] 9.2.98  
 Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No. JHS-22 Transporter Phone No.: ( 601 ) 429-2200  
 Transporter Name: Matthews Trucking Driver Name (print): JHS Matthews  
 Address: 1340 Gwynn Road Vehicle License No./State: A 02307  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature] 9.2.98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9.2.98  
 Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
 Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 9.2.98  
 Name (print) Signature Receipt Date

No 003128

White — LANDFILL Yellow — GENERATOR Pink — TRANSPORTER

TOTAL TO DATE: 3029.69



3781864



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 Waste ID Code No TUN-9807002

Waste Generation Location SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Handlers USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

23.76

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

TRICK Kallal  
 Generator Authorized Agent

Signature

Joe Gruber  
 Signature

9.2.98  
 Shipment Date

## TRANSPORTER

Truck No.: GT-8  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): Joe GruberVehicle License No./State: AC8242Vehicle Certification: MDOT 744970

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

9.2.98  
 Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

9.2.98  
 Receipt Date

003129

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3051.45



# USA WASTE SERVICES

3781865

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis Waste Generation Location SAME  
Address 2163 Airways Blvd. Address \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No. ( )  
Waste ID Code No.: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	24.44	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu Yd <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL [Signature] 9/2/98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: 248322 Transporter Phone No.: (601) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): HL BUNDRECK  
Address: 1340 Gwynn Road Vehicle License No./State: A-02307  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature] 9/2/98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9/2/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: (601) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. S. G. [Signature] 9/2/98  
Name (print) Signature Receipt Date

No 003130

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3075.89

3781866



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID. Code No. TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

b Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

SPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

21.74

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
 Generator Authorized Agent

Signature

Shipment Date

9.14.98

## TRANSPORTER

Truck No.: 188BZZ  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): HA BUNDRENVehicle License No./State: 40 1J07Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Matthews Trucking  
 Signature

Pickup Date

Signature

Delivery Date

9.14.98  
9.14.98

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

0003131

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 309763



# USA WASTE SERVICES

3781867

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

22.14

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLER  
Generator Authorized Agent

JACK KALLER  
Signature

9-4-98  
Shipment Date

### TRANSPORTER

Truck No.: Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A0881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT 9, 4, 98  
Signature Pickup Date

JACKIE YOUNT 9, 4, 98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Gray  
Name (print)

G. Gray  
Signature

9, 4, 98  
Receipt Date

Nº 003132

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3119.77



# USA WASTE SERVICES

3781868

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>20.50</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Joe Kallal  
Generator Authorized Agent

Joe Kallal  
Signature

9.2.98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Joe Graham

Address: 1340 Gwynn Road

Vehicle License No./State: A08242

Nesbit, MS 38651

Vehicle Certification: MDOT 744570

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Joe Graham Signature 9.2.98 Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Joe Kallal  
Name (print)

Joe Kallal  
Signature

9.4.98  
Receipt Date

No 003133

White — LANDFILL Yellow — GENERATOR Pink — TRANSPORTER

TOTAL TO DATE: 3140.27



# USA WASTE SERVICES

3781869

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No. TUN-9807002

Waste Generation Location: SAME

Address \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

21.17

- ☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLER  
 Generator Authorized Agent

[Signature]  
 Signature

9.4.98  
 Shipment Date

### TRANSPORTER

Truck No.: RM-3  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): WILLIAM D'NEAL

Vehicle License No./State: AD7877

Vehicle Certification: MDOT 490277

In my signature, I certify that the above material was picked up at the Generator site listed above.

William D'Neal 9.4.98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9.4.98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): \_\_\_\_\_  
 ID: 003134

[Signature]  
 Signature

9.4.98  
 Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:

3161.44



# USA WASTE SERVICES

3781870

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No.: ( )  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>25.74</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other. _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

Jack Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9/21/98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
Driver Name (print): JACKIE YOUNG  
Vehicle License No./State: A07881 MS  
Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Young 9/21/98  
Signature Pickup Date

Jackie Young 9/21/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

AS Griffin  
Name (print)

Greg Griffin  
Signature

9/21/98  
Receipt Date

No 003160

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

3237.40  
TOTAL TO DATE: 3187.44

3781871



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Address: 2163 Airways Blvd.

Memphis, TN 38114

Phone No. (901) 775-0173

EPA ID Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Waste Generation Location:

SAME

Address:

Phone No.: ( )

Hunters USA of Tunica, Inc. Permit Number SW-8720010459

Ticket Number

Customer Number

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

26.31

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:  
 Volume:

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

## TRANSPORTER

Truck No. 2M4

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road

Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): Ray Young

Vehicle License No./State: A0-7879

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

Signature

9/21/98

Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003159

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE:

3263.71





# USA WASTE SERVICES

3781872

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis Waste Generation Location SAME  
Address 2163 Airways Blvd. Address \_\_\_\_\_  
Memphis, TN 38114  
Phone No (901) 775-0173 Phone No (\_\_\_\_) \_\_\_\_\_  
Waste ID. Code No. TUN-9807002  
Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	25.76	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal [Signature] 5621 9/21/98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No: \_\_\_\_\_ Transporter Phone No: (601) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): Bryant Graham  
Address: 1340 Gwynn Road Vehicle License No./State: MS A08242  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Bryant Graham 09/21/98 Bryant Graham 09/21/98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: (601) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. Gruff [Signature] 9/21/98  
Name (print) Signature Receipt Date

NO 003158

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3289.47



# USA WASTE SERVICES

3781873

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
 Address 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. (901) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location SAME  
 Address \_\_\_\_\_  
 Phone No. (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

POSSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated Soil

#### Actual Quantity

29.71

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume: \_\_\_\_\_

I, the undersigned, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

TRUCK Kallal  
 Generator Authorized Agent

[Signature]  
 Signature

9/21/98  
 Shipment Date

### TRANSPORTER

No. GT-8  
 Transporter Name Matthews Trucking  
 Address 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): BRYANT GRABAM

Vehicle License No./State: A 08242 MS

Vehicle Certification: MDOT

I, the undersigned, certify that the above material was picked up at the Generator site listed above.

[Signature] 09/21/98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9/21/98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

I, the undersigned, certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
 (print) Signature

9/21/98  
 Receipt Date

003157

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 3319.18



# USA WASTE SERVICES

3781874

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	26.01	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu Yd. <input type="checkbox"/> Cu. Ft	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal [Signature] 9/21/98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No. EM4 Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name Matthews Trucking Driver Name (print): Ray Young  
Address: 1340 Gwynn Road Vehicle License No./State: AD 7579  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young 9/21/98 \_\_\_\_\_  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 9/21/98  
Name (print) Signature Receipt Date

№ 003156

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2345.19

3781875



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Site ID Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated Soil

29.95

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

ACK Kuller  
 Generator Authorized Agent

ACK Kuller  
 Signature

9<sup>56</sup> 21 98  
 Shipment Date

## TRANSPORTER

Truck No.: Rm 7  
 Transporter Name Matthews Trucking  
 Address 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): JACKIE YOUNT  
 Vehicle License No./State: Ad 7881 MS  
 Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount 9 21 98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9 21 98  
 Signature Delivery Date

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

003155  
 Signature Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2375.14



# USA WASTE SERVICES

3781876

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

27.05

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

9/24/98  
Shipment Date

### TRANSPORTER

Truck No.: 65-8

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Bryant Graham

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: A0R242 MS

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Bryant Graham 9/21/98  
Signature Pickup Date

Bryant Graham 9/21/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) \_\_\_\_\_

Signature \_\_\_\_\_

9/21/98  
Receipt Date

No 003154

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2402.19



# USA WASTE SERVICES

3781877

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
Address 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. (901) 775-0173  
State ID Code No TUN-9807002

Waste Generation Location SAME  
Address \_\_\_\_\_  
Phone No. ( )

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.19

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

5621  
9.4.98  
Shipment Date

### TRANSPORTER

Truck No 2MY  
Transporter Name: Matthews Trucking  
Address 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No /State: A07879

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young  
Signature 9.21.98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) 003153

Signature \_\_\_\_\_

9.21.98  
Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2426.38



# USA WASTE SERVICES

3781878

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID Code No TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc Permit Number SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>28.52</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other. _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal Jack Kallal 9<sup>21</sup> 98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: Rm-7 Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): JACKIE YOUNT  
Address: 1340 Gwynn Road Vehicle License No./State: A07881 MS  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9 21 98 Jackie Yount 9 21 98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

003152 9 21 98  
Name (print) Signature Receipt Date

No 003152

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2456.90



# USA WASTE SERVICES

3781879

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
EPA ID Code No. TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.73

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

9/24/98  
Shipment Date

### TRANSPORTER

Truck No.: \_\_\_\_\_  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): JACKIE YOUNT  
Vehicle License No./State: A07881 MS  
Vehicle Certification: MDOT

I, by my signature, certify that the above material was picked up at the Generator site listed above.

Jackie Yount 9/28/98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9/22/98  
Signature Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. E. Griff  
Signature (print)  
003151

G. E. Griff  
Signature

9/22/98  
Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3483.63





# Waste Management, Inc.

3781880

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No.: ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID. Code No: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	25.9	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other. _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9<sup>56</sup> 12 22, 98  
Shipment Date

### TRANSPORTER

Truck No.: RM4 Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): Ray Young  
Address: 1340 Gwynn Road Vehicle License No./State: A07879  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young 9 12 22, 98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

\_\_\_\_\_  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

iscrepancies \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

9 12 22, 98  
Receipt Date

No 003212

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3508.82



# Waste Management, Inc.

3781881

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Phone No. ( 901 ) 775-0173 Phone No. (        )       

State ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information:       

Permit Number SW 0720010450

Ticket Number:       

Customer Number:       

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.99

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other:         
Volume:       

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9<sup>56</sup> 12 98  
Shipment Date

### TRANSPORTER

Truck No.: Rm-7

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): JACKIE LEN YOUNT

Vehicle License No./State: A07881 MS

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Len Yount 9/22/98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Len Yount 9/22/98  
Signature Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time:       

Discrepancies:       

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

        
Name (print)

        
Signature

9/22/98  
Receipt Date

003211

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3535.81



# Waste Management, Inc.

3781882

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, MemphisAddress: 2163 Airways Blvd.  
Memphis, TN 38114Phone No. (901) 775-0173Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Waste  
Generation  
Location:SAME

Address: \_\_\_\_\_

Phone No.: (\_\_\_\_\_) \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number. \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated  
Soil

#### Actual Quantity

26.80

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kuller  
Generator Authorized Agent[Signature]  
Signature9<sup>3622</sup>  
12, 98  
Shipment Date

### TRANSPORTER

Truck No.: Rm4Transporter Name: Matthews TruckingAddress: 1340 Gwynn Road  
Nesbit, MS 38651Transporter Phone No.: (601) 429-2200Driver Name (print): RAY YoungVehicle License No./State: A07879Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young  
Signature9, 22, 98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature1, 1  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

No. 003210

Signature

9, 22, 98  
Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2502.80



# Waste Management, Inc.

3781883

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
 Address 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

1 Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY, Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

30.49

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal

Generator Authorized Agent

Signature

Shipment Date

9/22/98

### TRANSPORTER

Truck No.: RM-7

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road

Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): JACKIE LEN YOUNT

Vehicle License No./State: A07881 MS

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount

Signature

Pickup Date

9/22/98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Len Yount

Signature

Delivery Date

9/22/98

### DESTINATION

Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003209

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3573.10

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No. (\_\_\_\_) \_\_\_\_\_  
Waste ID Code No.: TUN-9807002  
Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010458

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	29.06	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9<sup>21</sup> 12, 98  
Shipment Date

**TRANSPORTER**

Truck No.: RM4 Transporter Phone No.: (601) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): Ray Young  
Address: 1340 Gwynn Road Vehicle License No./State: A07879  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young 9.22.98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

\_\_\_\_\_  
Signature Delivery Date

**DESTINATION**

Site Name: Trash Hunters of Tunica, Inc. Phone No.: (601) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) [Signature] Signature [Signature] 9.22.98  
Receipt Date

No 003208

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE:



# USA WASTE SERVICES

3781885

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
EPA ID Code No. TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

By Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

20.94

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

9.22.98  
Shipment Date

### TRANSPORTER

Truck No.: HLB22  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200

Driver Name (print): H. B. BROWN

Vehicle License No./State: A-2307

Vehicle Certification: MDOT 58-3077

I, by my signature, certify that the above material was picked up at the Generator site listed above.

James H. Brown 9.23.98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

James H. Brown 9.23.98  
Signature Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

James H. Brown 9.23.98  
Signature Receipt Date

003147

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3647.10



# USA WASTE SERVICES

3781886

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID Code No TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>26.45</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL [Signature] 9.22.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No. 2MY Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): RAY YOUNG  
Address: 1340 Gwynn Road Vehicle License No./State: AO 7879  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young 9.23.98 \_\_\_\_\_  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 9.23.98  
Name (print) Signature Receipt Date

NO 003146

White — LANDFILL Yellow — GENERATOR Pink — TRANSPORTER

TOTAL TO DATE: 3673.95



# USA WASTE SERVICES

3781887

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Handlers USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

18.81

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

9/23/98  
 Shipment Date

### TRANSPORTER

Truck No.: Bm-7  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): JACKIE LEN YOUNT

Vehicle License No./State: A07881 MS

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

JACKIE LEN YOUNT 9/23/98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE LEN YOUNT 9/23/98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): \_\_\_\_\_  
 ID: 003148

Signature \_\_\_\_\_

9/23/98  
 Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3692.76





# USA WASTE SERVICES

3781888

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	24.50	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9-22-98  
Shipment Date

### TRANSPORTER

Truck No. 2422  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): IS L. GUNDEL  
Vehicle License No./State: 02307  
Vehicle Certification: MDOT 623677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Steve Handman 9-23-98  
Signature Pickup Date

Steve Handman 9-23-98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) \_\_\_\_\_

Signature \_\_\_\_\_

9-23-98  
Receipt Date

No 003145

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3717.62

3781889



USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No.: ( 901 ) 775-0173  
 State ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

## Waste Description

## Actual Quantity

## Units

## Container Type

Dieldrin Contaminated  
Soil

26 30

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
 Generator Authorized Agent

[Signature]  
 Signature

9.22.98  
 Shipment Date

## TRANSPORTER

Truck No. RMV  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200Driver Name (print): Ray YoungVehicle License No /State: A07879Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young  
 Signature

9.23.98  
 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Delivery Date 1/1

## DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

(print)  
003144

Signature \_\_\_\_\_

Receipt Date 9/23/98

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE 3743.92



# USA WASTE SERVICES

3781890

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID. Code No.: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number \_\_\_\_\_ Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	27.15	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd <input type="checkbox"/> Cu. Ft	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

9/23/98  
Shipment Date

### TRANSPORTER

Truck No.: Am-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): JACKIE LEN YOUNT  
Vehicle License No./State: A07881 MS  
Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount 9/23/98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Len Yount 9/23/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-27  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing

Name (print)

Signature

No 003143

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE



# USA WASTE SERVICES

3781891

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_  
 State ID Code No.: TUN-9807002  
 Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW-0720010459 Ticket Number \_\_\_\_\_ Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>24 Sp</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu Yd. <input type="checkbox"/> Cu Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

I, the undersigned, in my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent: [Signature] Signature: [Signature] Shipment Date: 9.22.98

### TRANSPORTER

Truck No.: 41572 Transporter Phone No.: ( 601 ) 429-2200  
 Transporter Name: Matthews Trucking Driver Name (print): AL FLOUNDER  
 Address: 1340 Gwynn Road Vehicle License No./State: A02-57  
Nesbit, MS 38651 Vehicle Certification: MDOT 653677

I, the undersigned, in my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: [Signature] Pickup Date: 9.23.98 Signature: [Signature] Delivery Date: 9.23.98

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): \_\_\_\_\_ Signature: [Signature] Receipt Date: 9.23.98

0003142

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3795.63



# USA WASTE SERVICES

3781892

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location. SAME

Address. 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters USA of Tunica, Inc Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

25.56

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kalla  
Generator Authorized Agent

Jack Kalla  
Signature

9.22.98  
Shipment Date

### TRANSPORTER

Truck No. Rmy

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): Ray Young

Address: 1340 Gwynn Road

Vehicle License No./State: AD 7579 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature 9.23.98  
Pickup Date

Signature \_\_\_\_\_  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing

Name (print) \_\_\_\_\_

Signature \_\_\_\_\_

No 003141

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DA...



# Waste Management, Inc.

3781893

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
Address 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. (901) 775-0173  
EPA ID Code No. TUN-9807002

Waste Generation Location SAME  
Address \_\_\_\_\_  
Phone No. (\_\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number SW 0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated Soil

#### Actual Quantity

2441

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I, the undersigned, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9/23/98  
Shipment Date

### TRANSPORTER

Transporter No. Am7  
Transporter Name: Matthews Trucking  
Address 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
Driver Name (print): Jackie Lew Yount  
Vehicle License No./State: A07881 MS  
Vehicle Certification: MDOT

I, the undersigned, certify that the above material was picked up at the Generator site listed above.

Jackie Lew Yount  
Signature Pickup Date 9/23/98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Lew Yount  
Signature Delivery Date 9/23/98

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Companies: \_\_\_\_\_

I, the undersigned, certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

003214  
(print) Signature

9/23/98  
Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3845.02



Waste Management, Inc.

3781894

NON-HAZARDOUS WASTE MANIFEST

GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID. Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	22.20	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal [Signature] 9.23.98  
Generator Authorized Agent Signature Shipment Date

TRANSPORTER

Truck No.: 24822 Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): KE BUNDRA  
Address: 1340 Gwynn Road Vehicle License No./State: A 02307  
Nesbit, MS 38651 Vehicle Certification: MDOT 683C77

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9-23-98 [Signature] 9.23.98  
Signature Pickup Date Signature Delivery Date

DESTINATION

Site Name: Trash Hunters of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 9.23.98  
Name (print) Signature Receipt Date

No 003213

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 34167.88



# Waste Management, Inc.

3781895

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location

SAME

Address: 2163 Airways Blvd.

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( )

Manifest ID. Code No TUN-9807002

Special Handling Instructions and Additional Information:

Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number

Customer Number:

POSSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.70

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Signature

9-23-98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

9-24-98  
Pickup Date

Signature

9-24-98  
Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies:

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature (print)

Signature

9-24-98  
Receipt Date

003201

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 3894.52





# USA WASTE SERVICES

3781896

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID. Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	23.76	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal [Signature] 9.23.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No Bmy Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): RAY YOUNG  
Address: 1340 Gwynn Road Vehicle License No./State: AL07879 MS  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9.24.98 \_\_\_\_\_  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature] [Signature] 9.24.98  
Name (print) Signature Receipt Date

№ 003150

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3916.70

3781897



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

State ID Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.27

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Signature: [Signature]

9.23.98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print): JACKIE LEW YOUNT

Address 1340 Gwynn Road

Vehicle License No./State: A07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9.24.98  
Signature Pickup Date

Jackie Yount 9.24.98  
Signature Delivery Date

### DESTINATION

Name Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

9.24.98  
Receipt Date

0003149

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3944.77

**NON-HAZARDOUS WASTE MANIFEST****GENERATOR**

Name of Generator Defense Distribution Depot, Memphis Waste Generation Location SAME  
Address 2163 Airways Blvd. Address \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No. ( )  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010458

Ticket Number \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	29.58	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal Jack Kallal 9,24,98  
Generator Authorized Agent Signature Shipment Date

**TRANSPORTER**

Truck No. Rm-7 Transporter Phone No.: (601) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): JACKIE LEW YOUNT  
Address: 1340 Gwynn Road Vehicle License No./State: A07881 MS  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9,24,98 Jackie Yount 9,24,98  
Signature Pickup Date Signature Delivery Date

**DESTINATION**

Site Name: Trash Hunters of Tunica, Inc. Phone No.: (601) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

GJB GJB 9,24,98  
Name (print) Signature Receipt Date

No 003239

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3974.35



# Waste Management, Inc.

3781899

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Phone No.: (901) 775-0173

Waste ID. Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

25.63

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Signature

9/24/98  
Shipment Date

### TRANSPORTER

Truck No.: RMY

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No./State: A07879

Vehicle Certification: MDOT

I hereby certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature

9/25/98  
Pickup Date

Signature

9/25/98  
Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

CSB  
Signature (print)

Signature

9/25/98  
Receipt Date

003220

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 3999.98



# Waste Management, Inc.

3781900

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No.: ( )  
Waste ID. Code No. TUN-9807002  
Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

**Waste Description****Actual Quantity****Units****Container Type**

Dieldrin Contaminated  
Soil

28.23

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallie  
Generator Authorized Agent

[Signature]  
Signature

9.24.98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
Driver Name (print): JACKIE YOUNT  
Vehicle License No./State: \_\_\_\_\_  
Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature]  
Signature

9.25.98  
Pickup Date

[Signature]  
Signature

9.25.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

9.25.98  
Receipt Date

NO 003219

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4028.21



# Waste Management, Inc.

3781901

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

29.77

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

9.25.98  
 Shipment Date

### TRANSPORTER

Truck No.: 7113 22  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): HL BENNETT  
 Vehicle License No./State: GA C2307  
 Vehicle Certification: MDOT 683677

By my signature, I certify that the above material was picked up at the Generator site listed above.

HL Bennett  
 Signature Pickup Date 9.25.98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

HL Bennett  
 Signature Delivery Date 9.25.98

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

By my signature, I certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

HL Bennett  
 Signature

9.25.98  
 Receipt Date

003218

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4057.96

# WM Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781902

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis Waste Generation Location SAME  
Address 2163 Airways Blvd. Address \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No. (\_\_\_\_\_) \_\_\_\_\_  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010450

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	26.68	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal Jack Kallal 9.24.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No: HJB 22 Transporter Phone No.: (601) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): Harold Blum  
Address: 1340 Gwynn Road Vehicle License No./State: AL 2307  
Nesbit, MS 38651 Vehicle Certification: MDOT 623677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Harold Blum 9.25.98 Harold Blum 9.25.98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc. Phone No.: (601) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

003217 [Signature] 9.25.98  
Name (print) Signature Receipt Date

No. 003217

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4084



# Waste Management, Inc.

3781903

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No: (901) 775-0173  
Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No.: (\_\_\_\_) \_\_\_\_\_  
EPA ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information \_\_\_\_\_

Hunters of Tunica, Inc. Permit Number SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated Soil

#### Actual Quantity

25.47

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

9.24.98  
Shipment Date

### TRANSPORTER

Truck No: \_\_\_\_\_  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
Driver Name (print): Barry Anglin  
Vehicle License No./State: Miss A01881  
Vehicle Certification: MDOT 490277

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Pickup Date \_\_\_\_\_

Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Signature (print)

[Signature]  
Signature

[Signature]  
Receipt Date

003215

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE 4110.13





# Waste Management, Inc.

3781904

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No.: ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil24.67☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized AgentJack Kallal  
Signature9.25.98  
Shipment Date

### TRANSPORTER

Truck No.: 24822Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): AL BUNDRAAddress: 1340 Gwynn RoadVehicle License No./State: 9C7307Nesbit, MS 38651Vehicle Certification: MDOT 653677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

AL BUNDRA  
Signature9.25.98  
Pickup DateAL BUNDRA  
Signature9.25.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.Phone No.: ( 601 ) 363-2282Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

AL BUNDRA  
Name (print)AL BUNDRA  
Signature9.25.98  
Receipt Date

NO 003244

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4134.75



# Waste Management, Inc.

3781905

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. (901) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. (\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number: SW-0720010458

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.29

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
 Generator Authorized Agent

JACK Kallal  
 Signature

9/24/98  
 Shipment Date

### TRANSPORTER

Truck No. RM4  
 Transporter Name Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
 Driver Name (print): Ray Young  
 Vehicle License No./State: A07839  
 Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
 Signature 9/25/98  
 Pickup Date

Signature \_\_\_\_\_  
 Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): GB

Signature GB

9/25/98  
 Receipt Date

003216

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4161.04

# WM Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781906

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID. Code No.: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	24.44	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other. _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK KALLA [Signature] 9.25.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: 24822 Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): JOHN KNOX  
Address: 1340 Gwynn Road Vehicle License No./State: MS 2J07  
Nesbit, MS 38651 Vehicle Certification: MDOT 683677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 9.25.98 [Signature] 9.25.98  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate

[Signature] [Signature] 9.25.98  
Name (print) Signature Receipt Date

NO 003243

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4155.46



# Waste Management, Inc.

3781907

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
State ID Code No. TUN-9807002

Waste Generation Location: SAME

Address: \_\_\_\_\_

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

29.00

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

I, by my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Signature JACK Kallal

Shipment Date 9.26.98

### TRANSPORTER

Truck No.: Rm4  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): ~~Ray Young~~ Ray Young

Vehicle License No./State: A07879

Vehicle Certification: MDOT

I, by my signature, I certify that the above material was picked up at the Generator site listed above.

Signature Ray Young Pickup Date 9.26.98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Signature G. Griffin

Receipt Date 9.26.98

003242

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4214.54

# WM Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781908

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. (901) 775-0173 Phone No.: ( )  
Waste ID. Code No.: TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

27.12

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

### TRANSPORTER

Truck No.: 7413 22Transporter Phone No.: (601) 429-2200Transporter Name: Matthews TruckingDriver Name (print): HI BURNERAddress: 1340 Gwynn RoadVehicle License No./State: 602307Nesbit, MS 38651Vehicle Certification: MDOT 68-3677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.Phone No.: (601) 363-2282Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

No 003241

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4241.66



# Waste Management, Inc.

3781903 NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
EPA ID Code No. TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number: SW-0720010458

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	23.64	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume _____

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

9-25-98  
Shipment Date

## TRANSPORTER

Truck No.: RM-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): Barry Anglin  
Vehicle License No./State: 407 881  
Vehicle Certification: MDOT 490277

By my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: \_\_\_\_\_ Pickup Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Delivery Date: \_\_\_\_\_

## DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): \_\_\_\_\_

[Signature]  
Signature

9-25-98  
Receipt Date

003240

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 4265.30



# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781910

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

24.38

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

9.25.98  
Shipment Date

### TRANSPORTER

Truck No.: RIMY

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): RAY YOUNG

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: AO 2879

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature

9.26.98  
Pickup Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

9.26.98  
Receipt Date

NO 003203

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4289.68



# Waste Management, Inc.

3781911

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No.: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number: SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

23.49

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

9/28/98  
 Shipment Date

### TRANSPORTER

Truck No. 34B22  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): HELEN M. M.  
 Vehicle License No./State: A 22307  
 Vehicle Certification: MDOT 583677

By my signature, I certify that the above material was picked up at the Generator site listed above.

4/26/98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

4/26/98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

4/26/98  
 Signature

9/26/98  
 Receipt Date

003204

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4313.17





# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781912

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 361-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

28.20

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9/29/98  
Shipment Date

### TRANSPORTER

Truck No. R m - 7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: A07881 MS

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9/29/98  
Signature Pickup Date

Jackie Yount 9/29/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

9/29/98  
Receipt Date

NO 003205

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4341.37



# Waste Management, Inc.

3781913 NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
Address 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
Site ID. Code No TUN-9807002

Waste Generation Location SAME  
Address \_\_\_\_\_  
Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information. \_\_\_\_\_

Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number. \_\_\_\_\_

Responsible Agency Mississippi Dept of Environmental Quality (601) 961-5171

### Waste Description

### Actual Quantity

### Units

### Container Type

Dieldrin Contaminated  
Soil

26.89

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

9-29-98  
Shipment Date

## TRANSPORTER

Truck No. R114  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): Ray Young  
Vehicle License No./State: A07879  
Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Ray Young  
Signature 7-29-98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

## DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Signature 9-29-98  
Receipt Date

003206

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4368.26



# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781914

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	27.57	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KALLAL  
Generator Authorized Agent

JACK KALLAL  
Signature

9/29/98  
Shipment Date

### TRANSPORTER

Truck No.: Rm-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
Driver Name (print): JACKIE YOUNT  
Vehicle License No./State: A07881 MS  
Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9/29/98  
Signature Pickup Date

Jackie Yount 9/29/98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

CSO  
Name (print)

CSO 9/29/98  
Signature Receipt Date

No 003207

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4395.83



# Waste Management, Inc.

3781915

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
Address 2163 Airways Blvd.  
Memphis, TN 38114

Waste Generation Location SAME

Address \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Site ID Code No: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

27.69

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

9.25.98  
Shipment Date

### TRANSPORTER

Truck No. 8MY  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200

Driver Name (print): Ray Young

Vehicle License No./State: A07879

Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature]  
Signature

9.29.98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

1/1  
Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Signature

9.29.98  
Receipt Date

003202

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4423.52



# USA WASTE SERVICES

## NON-HAZARDOUS WASTE MANIFEST

3781916

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No: ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

26.33

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kullal  
Generator Authorized Agent

JACK Kullal  
Signature

9/29/98  
Shipment Date

### TRANSPORTER

Truck No.: Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A0788 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT  
Signature

9/29/98  
Pickup Date

JACKIE YOUNT  
Signature

9/29/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

OSR  
Name (print)

OSR  
Signature

9/29/98  
Receipt Date

№ 003137

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4449.85



# USA WASTE SERVICES

3781917

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
 Address 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID. Code No. TUN-9807002

Waste Generation Location SAME

Address \_\_\_\_\_

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

1 Hunters USA of Tunica, Inc. Permit Number SW-0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

25.09

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume. \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date

### TRANSPORTER

Truck No. BM-1  
 Transporter Name: Matthews Trucking  
 Address 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No./State: AO 7879

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Pickup Date

Signature

Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date

003138

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 4474.94



# USA WASTE SERVICES

3781918

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. (901) 775-0173

Phone No.: (\_\_\_\_) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.17

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

9/30/98  
Shipment Date

### TRANSPORTER

Truck No. 28527

Transporter Phone No. (601) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): J H BUNDREDA

Address 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: QD2307

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

J H Bundreda  
Signature

9/30/98  
Pickup Date

J H Bundreda  
Signature

9/30/98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters USA Of Tunica, Inc.

Phone No.: (601) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

J H Bundreda  
Name (print)

J H Bundreda  
Signature

9/30/98  
Receipt Date

No 003139

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4499.11



# USA WASTE SERVICES

3781919

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No: ( 901 ) 775-0173  
 State ID Code No: TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters USA of Tunica, Inc. Permit Number SW-0720010459 Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	29.97	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

9/30/98  
 Shipment Date

### TRANSPORTER

Truck No: Rm-7  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): JACKIE YOUNT  
 Vehicle License No./State: A07881 MS  
 Vehicle Certification: MDOT

By my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount 9/30/98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Jackie Yount 9/30/98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters USA Of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): 003140

[Signature] 9/30/98  
 Signature Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4529.08



# WM Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781920

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010450

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	27.48	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd. <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK K. Kallal JACK Kallal 9.30.98  
Generator Authorized Agent Signature Shipment Date

### TRANSPORTER

Truck No.: DM4 Transporter Phone No.: ( 601 ) 429-2200  
Transporter Name: Matthews Trucking Driver Name (print): RAY YOUNG  
Address: 1340 Gwynn Road Vehicle License No./State: A07879  
Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

RY 9.30.98 \_\_\_\_\_  
Signature Pickup Date Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc. Phone No.: ( 601 ) 363-2282  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

BS [Signature] 9.30.98  
Name (print) Signature Receipt Date

NO 003259

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4556.56



# Waste Management, Inc.

3781921

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No ( 901 ) 775-0173  
 Waste ID Code No TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information: \_\_\_\_\_

Permit Number SW 0720010458

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

25.00

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other. \_\_\_\_\_  
 Volume: \_\_\_\_\_

By my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

Jack Kallal  
 Generator Authorized Agent

Jack Kallal  
 Signature

9.30.98  
 Shipment Date

### TRANSPORTER

Truck No. CHB 22  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200  
 Driver Name (print): HL BERNARDINI  
 Vehicle License No./State: A02307  
 Vehicle Certification: MDOT 683677

By my signature, I certify that the above material was picked up at the Generator site listed above.

HL Bernardini 9.30.98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

HL Bernardini 9.30.98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): \_\_\_\_\_  
 Signature

9.30.98  
 Receipt Date

003258

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4581.56



# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781922

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010458

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

27.59

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KELLER  
Generator Authorized Agent

[Signature]  
Signature

9.30.98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT 9.30.98  
Signature Pickup Date

JACKIE YOUNT 9.30.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No. ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) \_\_\_\_\_

Signature \_\_\_\_\_

9.30.98  
Receipt Date

NO 003257

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4609.15



# Waste Management, Inc.

3781923

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No: ( 901 ) 775-0173  
EPA ID Code No: TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number: SW 0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated Soil

#### Actual Quantity

23.54

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_

Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent JACK K. HILL

Signature [Signature]

Shipment Date 9.30.98

### TRANSPORTER

Truck No: RM4  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No: ( 601 ) 429-2200

Driver Name (print): RAY YOUNG

Vehicle License No./State: AD 7879

Vehicle Certification: MDOT

I, by my signature, certify that the above material was picked up at the Generator site listed above.

Signature [Signature]

Pickup Date 9.30.98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) [Signature]

Signature [Signature]

Receipt Date 9.30.98

WM 003256

White -- LANDFILL

Yellow -- GENERATOR

Pink -- TRANSPORTER

TOTAL TO DATE: 4632.69



# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781924

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010458

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

23.96

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK KULLIF  
Generator Authorized Agent

JACK KULLIF  
Signature

9,3098  
Shipment Date

### TRANSPORTER

Truck No.: 22

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): ALBANDRANI

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Vehicle License No./State: A02307

Vehicle Certification: MDOT 6536 77

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Albandrani  
Signature

93098  
Pickup Date

Albandrani  
Signature

93098  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): \_\_\_\_\_

Signature: \_\_\_\_\_

1,20,98  
Receipt Date

No. 003255

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 466.67

# WM Waste Management, Inc.

3781925

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
EPA ID Code No TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number: SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

Dieldrin Contaminated Soil

#### Actual Quantity

28.26

#### Units

- ☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu Ft.

#### Container Type

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_

Volume: \_\_\_\_\_

I, by my signature, certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent

Signature

Shipment Date 9.30.98

### TRANSPORTER

Truck No. Rm-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): JACKIE YOUNT

Vehicle License No./State: A07881 MS

Vehicle Certification: MDOT

I, by my signature, certify that the above material was picked up at the Generator site listed above.

Signature

Pickup Date 9.30.98

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

Delivery Date 9.30.98

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

Receipt Date 9.30.98

003254

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE 4664.93



# Waste Management, Inc.

3781926

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010459

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.89

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kuller  
Generator Authorized Agent

JACK Kuller  
Signature

9.30.98  
Shipment Date

### TRANSPORTER

Truck No.: 58522

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): TILBURN, PHIL

Address: 1340 Gwynn Road

Vehicle License No./State: AQ 2307

Nesbit, MS 38651

Vehicle Certification: MDOT 683677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JHBundrum  
Signature

9.30.98  
Pickup Date

JHBundrum  
Signature

9.30.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. G. G.  
Name (print)

G. G. G.  
Signature

9.30.98  
Receipt Date

NO 003253

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE 4709.82



# Waste Management, Inc.

3781927

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 State ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

24.01

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
 Volume \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACIE Kallal  
 Generator Authorized Agent

JACIE Kallal  
 Signature

10-1-98  
10-1-98  
 Shipment Date

### TRANSPORTER

Truck No.: HJB 22 8:20  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): H. B. BURNHAM

Vehicle License No./State: A 02307

Vehicle Certification: MDOT 683677

In my signature, I certify that the above material was picked up at the Generator site listed above.

H. B. BURNHAM 10.1.98  
 Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

H. B. BURNHAM 10.1.98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_  
 I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): BSO  
 ID: 003252

Signature

10.1.98  
 Receipt Date

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4733.83





# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781928

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010450

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.04

- ☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft.

- ☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

9.3.98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): JACKIE YOUNT

Address: 1340 Gwynn Road

Vehicle License No./State: A07881 MS

Nesbit, MS 38651

Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JACKIE YOUNT  
Signature

10.1.98  
Pickup Date

JACKIE YOUNT  
Signature

10.1.98  
Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

10.1.98  
Receipt Date

No. 003251

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4759.87



# Waste Management, Inc.

3781929

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Phone No. ( 901 ) 775-0173

State ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

1 Hunters of Tunica, Inc. Permit Number SW 0720010458

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

24.89

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

9.30.98  
Shipment Date

### TRANSPORTER

Trk No. MSB 22 10.20

Transporter Name: Matthews Trucking

Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: ( 601 ) 429-2200

Driver Name (print): H L BLINDRUM

Vehicle License No./State: 402-307

Vehicle Certification: MDOT 683677

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 10.1.98  
Signature Pickup Date

[Signature] 10.1.98  
Signature Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.

Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Signature

10.1.98  
Receipt Date

003250

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4784.76

# WM Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781930

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis Waste Generation Location: SAME  
Address: 2163 Airways Blvd. Address: \_\_\_\_\_  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173 Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_  
Waste ID Code No TUN-9807002  
Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number. \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
<u>Dieldrin Contaminated Soil</u>	<u>24.51</u>	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu Yd. <input type="checkbox"/> Cu Ft	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

10-1-98  
10-1-98  
Shipment Date

### TRANSPORTER

Truck No. 48B22 12:55  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200  
Driver Name (print): FLK BANDUM  
Vehicle License No./State: A02-307  
Vehicle Certification: MDOT 68 36 77

With my signature, I certify that the above material was picked up at the Generator site listed above.

FLK BANDUM 10-1-98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

FLK BANDUM 10-1-98  
Signature Delivery Date

### DESTINATION

Site Name. Trash Hunters of Tunica, Inc.  
Site Address. 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

FLK BANDUM  
Name (print)

FLK BANDUM  
Signature

10-1-98  
Receipt Date

NO 003249

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 2809.27



# Waste Management, Inc.

3781931

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114 Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No.: TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Handlers of Tunica, Inc. Permit Number SW 0720010459

Ticket Number: \_\_\_\_\_ Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Dieldrin Contaminated Soil	25.75	<input type="checkbox"/> Pounds <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cu. Yd <input type="checkbox"/> Cu. Ft.	<input type="checkbox"/> Drum <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Carton <input type="checkbox"/> Box <input type="checkbox"/> Bag <input type="checkbox"/> Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent: JACK Kallal Signature: [Signature] Shipment Date: 10/2/98

### TRANSPORTER

Truck No: RMY Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking Driver Name (print): Ray Young

Address: 1340 Gwynn Road Vehicle License No./State: AD 7579

Nesbit, MS 38651 Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature: [Signature] Pickup Date: 10/2/98 Signature: \_\_\_\_\_ Delivery Date: \_\_\_\_\_

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc. Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664 Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print): [Signature] Signature: [Signature] Receipt Date: 10/2/98

10 003246

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2835.02

# WM Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781932

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address 2163 Airways Blvd.  
Memphis, TN 38114

Address \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID Code No TUN-9807002

Special Handling Instructions and Additional Information: \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010450

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

23.85

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

JACK Kallal  
Signature

10-2-98  
10-29-98  
Shipment Date

### TRANSPORTER

Truck No. 7875 22 8230

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name: Matthews Trucking

Driver Name (print): H L BUNDREMAN

Address: 1340 Gwynn Road

Vehicle License No./State: A02307

Nesbit, MS 38651

Vehicle Certification: MDOT 68-3477

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

H L Bundreman 10-2-98  
Signature Pickup Date

H L Bundreman 10-2-98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

OSG  
Name (print)

OSG  
Signature

10-2-98  
Receipt Date

No 003247

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 2858.87



# Waste Management, Inc.

3781933

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, MemphisWaste Generation Location: SAMEAddress: 2163 Airways Blvd.

Address: \_\_\_\_\_

Memphis, TN 38114Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

EPA ID Code No TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

EPA Hazardous Waste Manifest Number SW-0720010450

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil27.52☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized AgentSignature JACK KallalShipment Date 9.29.98

### TRANSPORTER

Truck No.: Rm-7Transporter Phone No.: ( 601 ) 429-2200Transporter Name: Matthews TruckingDriver Name (print): JACKIE YOUNTAddress: 1340 Gwynn RoadVehicle License No./State: A07881 MSNesbit, MS 38651Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature Jackie YountPickup Date 10.2.98Signature Jackie YountDelivery Date 10.2.98

### DESTINATION

Name: Trash Hunters of Tunica, Inc.Phone No.: ( 601 ) 363-2282Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print) \_\_\_\_\_

Signature \_\_\_\_\_

Receipt Date 10.2.98EPA ID Code No 003245

White - LANDFILL

Yellow - GENERATOR

Pink - TRANSPORTER

TOTAL TO DATE: 444.39



# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781934

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
Address 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. ( 901 ) 775-0173  
Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
Address \_\_\_\_\_  
Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information. \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW-0720010450

Ticket Number: \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY. Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

29.51

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

10.2.98  
Shipment Date

### TRANSPORTER

Truck No. RM4  
Transporter Name Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200  
Driver Name (print): RAY Young  
Vehicle License No./State: AO7879  
Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Rly  
Signature

10.2.98  
Pickup Date

Signature \_\_\_\_\_  
Delivery Date \_\_\_\_\_

### DESTINATION

Site Name. Trash Hunters of Tunica, Inc.  
Site Address. 6035 Bowdre Rd. Robinsonville, MS 38664  
iscrepancies: \_\_\_\_\_

Phone No.: ( 601 ) 363-2282  
Time: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

G. S. Griffin  
Name (print)

G. S. Griffin  
Signature

10.2.98  
Receipt Date

NO 003263

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4915.90



# Waste Management, Inc.

3781935

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
 Address: 2163 Airways Blvd.  
Memphis, TN 38114  
 Phone No. ( 901 ) 775-0173  
 Waste ID Code No. TUN-9807002

Waste Generation Location: SAME  
 Address: \_\_\_\_\_  
 Phone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number SW 0720010458

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

Responsible Agency: Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

25.96

☐ Pounds  
☒ Tons  
☐ Cu. Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
 Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

TACIC Kallal  
 Generator Authorized Agent

[Signature]  
 Signature

10.1.98  
 Shipment Date

### TRANSPORTER

Truck No. 28872 10.45  
 Transporter Name: Matthews Trucking  
 Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. ( 601 ) 429-2200  
 Driver Name (print): HE BARNETT  
 Vehicle License No./State: 202307  
 Vehicle Certification: MDOT 6836707

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

[Signature] 10.2.98  
 Signature Pickup Date

[Signature] 10.2.98  
 Signature Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
 Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: ( 601 ) 363-2282  
 Time: \_\_\_\_\_

Discrepancies \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
 Name (print)

[Signature]  
 Signature

10.2.98  
 Receipt Date

003262

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4941.86





# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781936

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis  
Address 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. (901) 775-0173  
Waste ID Code No. TUN-9807002  
Special Handling Instructions and Additional Information: \_\_\_\_\_

Waste Generation Location SAME  
Address \_\_\_\_\_  
Phone No. ( )

Trash Hunters of Tunica, Inc. Permit Number SW 0720010459

Ticket Number \_\_\_\_\_

Customer Number \_\_\_\_\_

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

27.79

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations

JACK Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

10.1.98  
Shipment Date

### TRANSPORTER

Truck No. Rm-7  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No. (601) 429-2200  
Driver Name (print): JACKIE YOUNT  
Vehicle License No./State: A07881 MS  
Vehicle Certification: MDOT

With my signature, I certify that the above material was picked up at the Generator site listed above.

Jackie Yount 10.2.98  
Signature Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

10.2.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.  
Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282  
Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Jackie Yount  
Name (print)

Jackie Yount  
Signature

10.2.98  
Receipt Date

NO 003261

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4969.65



# Waste Management, Inc.

3781937

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator: Defense Distribution Depot, Memphis  
Address: 2163 Airways Blvd.  
Memphis, TN 38114  
Phone No. (901) 775-0173  
EPA ID Code No.: TUN-9807002

Waste Generation Location: SAME  
Address: \_\_\_\_\_  
Phone No. (\_\_\_\_\_) \_\_\_\_\_

Special Handling Instructions and Additional Information \_\_\_\_\_

Permit Number: SW 0720010458

Ticket Number: \_\_\_\_\_

Customer Number: \_\_\_\_\_

Responsible Agency: Mississippi Dept. of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

26.84

☐ Pounds  
☒ Tons  
☐ Cu. Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other \_\_\_\_\_  
Volume: \_\_\_\_\_

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified, packaged, and is in proper condition for transportation according to applicable regulations.

JACK Kallal  
Generator Authorized Agent

[Signature]  
Signature

10.2.98  
Shipment Date

### TRANSPORTER

Truck No.: Rmy  
Transporter Name: Matthews Trucking  
Address: 1340 Gwynn Road  
Nesbit, MS 38651

Transporter Phone No.: (601) 429-2200  
Driver Name (print): RAY YOUNG  
Vehicle License No./State: A07879  
Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

[Signature]  
Signature  
10.2.98  
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

\_\_\_\_\_  
Signature  
10.2.98  
Delivery Date

### DESTINATION

Name: Trash Hunters of Tunica, Inc.  
Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Phone No.: (601) 363-2282

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

[Signature]  
Name (print)

[Signature]  
Signature

10.2.98  
Receipt Date

003260

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 4996.49



# Waste Management, Inc.

## NON-HAZARDOUS WASTE MANIFEST

3781938

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location: SAME

Address: 2163 Airways Blvd.  
Memphis, TN 38114

Address: \_\_\_\_\_

Phone No. ( 901 ) 775-0173

Phone No. ( \_\_\_\_\_ ) \_\_\_\_\_

Waste ID. Code No. TUN-9807002

Special Handling Instructions and Additional Information \_\_\_\_\_

Trash Hunters of Tunica, Inc. Permit Number SW 0720010458

Ticket Number \_\_\_\_\_

Customer Number. \_\_\_\_\_

RESPONSIBLE AGENCY Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated  
Soil

23.99

☐ Pounds  
☒ Tons  
☐ Cu Yd.  
☐ Cu. Ft.

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other: \_\_\_\_\_  
Volume: \_\_\_\_\_

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

J. K. Kallal  
Generator Authorized Agent

J. K. Kallal  
Signature

10.1.98  
Shipment Date

JHB 22 12.53 **TRANSPORTER**

Truck No. \_\_\_\_\_

Transporter Phone No.: ( 601 ) 429-2200

Transporter Name. Matthews Trucking

Driver Name (print): HL BARNETT

Address: 1340 Gwynn Road

Vehicle License No./State: 40 Z387

Nesbit, MS 38651

Vehicle Certification: MDOT 683677

With my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

JHB 10.2.98  
Signature Pickup Date

JHB 10.2.98  
Signature Delivery Date

### DESTINATION

Site Name: Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Site Address: 6035 Bowdre Rd. Robinsonville, MS 38664

Time: \_\_\_\_\_

Discrepancies: \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

JHB  
Name (print)

JHB  
Signature

10.2.98  
Receipt Date

No 003264

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 5020.48



# Waste Management, Inc.

3781939

## NON-HAZARDOUS WASTE MANIFEST

### GENERATOR

Name of Generator Defense Distribution Depot, Memphis

Waste Generation Location SAME

Address 2163 Airways Blvd.

Address:

Memphis, TN 38114

Phone No. ( 901 ) 775-0173

Phone No. ( )

State ID Code No. TUN-9807002

Special Handling Instructions and Additional Information:

Waste Management, Inc. Permit Number SW 0720010459

Ticket Number:

Customer Number

Responsible Agency Mississippi Dept of Environmental Quality (601) 961-5171

#### Waste Description

#### Actual Quantity

#### Units

#### Container Type

Dieldrin Contaminated Soil

29.68

☐ Pounds  
☒ Tons  
☐ Cu Yd  
☐ Cu. Ft

☐ Drum ☒ Truck  
☐ Carton ☐ Box  
☐ Bag ☐ Other  
Volume

In my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jack Kallal  
Generator Authorized Agent

Jack Kallal  
Signature

10.2.98  
Shipment Date

### TRANSPORTER

Truck No. Rm4

Transporter Phone No: ( 601 ) 429-2200

Transporter Name Matthews Trucking

Driver Name (print) Ray Young

Address 1340 Gwynn Road

Vehicle License No./State: A07879

Nesbit, MS 38651

Vehicle Certification: MDOT

In my signature, I certify that the above material was picked up at the Generator site listed above.

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Ray Young  
Signature 10.2.98  
Pickup Date

Signature 10.2.98  
Delivery Date

### DESTINATION

Name Trash Hunters of Tunica, Inc.

Phone No.: ( 601 ) 363-2282

Address 6035 Bowdre Rd. Robinsonville, MS 38664

Time:

Discrepancies:

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

Name (print)

Signature

10.2.98  
Receipt Date

2 003269

White — LANDFILL

Yellow — GENERATOR

Pink — TRANSPORTER

TOTAL TO DATE: 5050.16

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**