

**GW-UST 12 REPORT
Delivery Order No. 044
UST Removal
At AS146
Marine Corps Air Station – New River
Camp Lejeune, North Carolina**

Prepared for

The Atlantic Division, Naval Facilities Engineering Command

July, 2000

Prepared by

J.A. Jones Environmental Services Company

6135 Park South Drive, Suite 250

Charlotte, North Carolina 28210

J.A. Jones No. 005.044

GW/UST-12
UNDERGROUND STORAGE TANK CLOSURE REPORT

UST No. AS-146

Location: MCAS, New River, NC

The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.

I. General Information

A. Ownership of UST(s)

1. Name of UST owner:

Commanding General
Marine Corps Base, Camp Lejeune, North Carolina

2. Owner address and telephone number:

Commanding General
AC/S, Environmental Management Department
PSC 20004
MCB, Camp Lejeune, NC 28542
910-451-5837

B. Facility Information

1. Facility name:

Building AS-146

2. Facility ID #:

N/A

3. Facility address, telephone number, and county:

Commanding General
AC/S, Environmental Management Department
PSC 20004
MCB, Camp Lejeune, NC 28542
910-451-5837
Onslow County

C. Contacts

1. Name, address, telephone number and job title of primary contact person:

Brian Marshburn – Environmental Engineer
AC/S, EMD
PSC 20004
MCB, Camp Lejeune, NC 28542
910-451-5837

2. Name, address, and telephone number of closure contractor:

J.A. Jones Environmental Services Company
6135 Park South Drive, Suite 250
Charlotte, North Carolina 28210
704-553-3595

3. Name, address, and telephone number of primary consultant:

J.A. Jones Environmental Services Company
 6135 Park South Drive, Suite 250
 Charlotte, North Carolina 28210
 704-553-3595

4. Name, address, telephone number, and State certification number of laboratory:

Prism Laboratories, Inc.
 449 Springbrook Road
 Charlotte, NC 28217
 704-529-6364
 North Carolina certification #: 402

D. UST Information

Tank No.	Installation Date	Size in Gallon	Tank Dimension	Last Content
AS-146	Unknown	5,000	17'4" x 11'6" x 6'	JP-5

E. Site Characteristics**1. Describe any past release at this site:**

No past release has been reported.

2. Is the facility active or inactive at this time? If the facility is inactive note the last time the USTs were in operation:

The facility is active but the UST was inactive.

3. Describe surrounding property use (for example, residential, commercial, farming, etc.):

The site is on a military base. The UST was located in a fuel farm which is surrounded on all directions by roads, open field. Therefore this site may fall into the commercial/industrial category.

4. Describe site geology/hydrogeology:

The area is located in the Outer Coastal Plain of North Carolina. Regionally, the predominant soil type is sandy silt to clayey silt with unknown thickness. The depth to the underlain bedrock of Tertiary aged Belgrade Formation is unknown, but is estimated to be more than 50 feet. The average depth-to-water is estimated to be 8 feet from ground surface. The nearest surface water body is New River, which is approximately 6,000 feet from the site. The flow direction of groundwater in the surficial aquifer is unknown, but is assumed to flow towards the river. All buildings in this area are supplied by a public water supply system. There are two drinking water wells located within 1500 ft radius. However, these wells are currently under contract for demolition. The demolition contract is scheduled for completion January 2001.

II. Closure Procedures**A. Describe preparations for closure including the steps taken to notify authorities, permits obtained, and the steps taken to clean and purge the tanks:**

A GW/UST-3 form was submitted to the Environmental Management Department of the Base on 7/12/1999. A copy of the GW/UST-3 form is included in Appendix B. The UST was a cubic concrete tank (Photo 1 and 2) and was completely empty with the exception of small amounts of dry sludge on the floor and 2 ~ 3 gallons of liquid in a pump sink of the floor. Prior to removal, the UST was cleaned through sweeping the solid and scooping the liquid out of the pump sink. Both the solids and liquids were stored in a 55-gallon drum, which was transported off-base on 6/15/2000 and treated at a certified wastewater treatment facility in High Point, North Carolina. The transportation manifest of the waste is included in Appendix D, and the lab analytical results for both solid and liquid are included in Appendix F.

B. Note the amount of residual material pumped from the tank(s):

See Section II. A.

C. Describe the storage, sampling, and disposal of the residual material:

See Section II. A.

D. Excavation**1. Describe excavation procedures noting the condition of the soils and the dimensions of the excavation in relation to the tanks, piping and/or pumps:**

The concrete UST was demolished on-site during 5/23/2000 and 5/25/2000. Excavation was kept to a minimum to avoid jeopardizing the supporting poles of a 6.5 inch diameter fuel pipe that is 4 feet from the east edge of the tank. A landslide occurred when excavating to expose the south wall of the tank (Photo 8). After the 4 walls of the tank were demolished, it was found that the size of the bottom slab was larger than the horizontal dimensions of the tank, at least 2 feet beyond the wall on all directions. Therefore, it was decided not to remove the bottom slab of the UST.

Slight petroleum odor was observed in soil on the north sidewall of the UST.

The final dimensions of the excavation were 23.5' (L) x 14.5' (W) x 7' (D).

2. Note the depth of tank burial(s) (from land surface to top of tank):

The top of the tank was flush with the ground surface.

3. Quantity of soil removed:

Approximately 10 tons of soil was excavated to expose the sidewalls of the tank.

4. Describe soil type(s):

Based on field observation, soil above the underside of the UST was brown silty sand that might be the backfill material when the tank was constructed. Below the bottom slab was limestone gravel with unknown thickness, which is believed to be the UST construction base.

5. Type and source of backfill used:

Common fill (sand) obtained from a borrow pit on the Base.

E. Contaminated Soil

The excavated soil was stockpiled on-site and a composite soil sample was taken from the stockpile. Upon receiving analytical results of the sample that indicate diesel range total petroleum hydrocarbon (TPH) concentration of 28 ppm and gasoline range TPH concentration of 110 ppm, this material was transported off-base on 6/19/2000 and disposed of by ES&J Enterprises, Inc. at its facility located in Autryville, North Carolina. A copy of the contaminated soil transportation manifest is included in Appendix E and a copy of the lab analytical report is included in Appendix G.

III. Site Investigation**A. Provide information on field screening and physical observations, including methods used to calibrate field screening instrument(s):**

A FOXBORO TVA PID/FID was used for field screening during the soil sample collection activities prior to the UST demolition. The instrument was calibrated per the user's menu provided by the manufacture. Table 1 is a summary of the screening results.

No apparent soil discoloration was observed during either soil collection activities or UST demolition. However, slight petroleum odor was observed during excavation on the north sidewall of the tank.

B. Describe soil sampling points and sampling procedures used:

Prior to UST demolition, 4 soil borings (AS146-1 through AS146-4) were advanced to 10' below land surface, one at each corner of the UST as illustrated on the site drawing. One soil sample was collected at approximately 10 feet below the land surface from each soil boring. After the UST was demolished on 5/25, one additional soil sample (AS146-MID) was collected at the bottom center of the tank by drilling a hole through the concrete slab into the soil beneath it. The samples were tested using EPA Methods 3550 for TPH-DRO, 5030 for TPH-GRO, 3051 for total Cr and Pb, 8080 for PCBs and pesticides.

C. Describe groundwater or surface water sampling procedures used:

One groundwater sample was collected at the bottom center of the tank when a hole was drilled through the bottom slab for both soil and water sampling purpose. The water samples was tested using EPA Methods 6230 for volatiles, 625 for semi-volatiles, 3030C for total Cr and Pb, MADEP VPH and EPH for alkanes/aromatics.

D. Quality control measures;

Lab-provided containers and dedicated disposable gloves were used for sampling. Upon collection, the samples were stored in a cooler, chilled by ice, and sent to the laboratory through an over-night carrier.

E. Investigation results

Except for slight petroleum odor observed in soil at the north sidewall, no soil discoloration or petroleum odor were observed in the soil borings and the excavation. No free product was observed on groundwater surface that was visible at the sampling hole drilled through the floor slab.

As shown in Table 2, TPH-GRO concentration in soil sample AS146-4, and both TPH-GRO and TPH-DRO concentrations in soil samples AS146-2 and AS146-MID are above the State Reportable Limit of 10 ppm. Trace concentration of certain pesticides were detected in samples AS146-1 and AS146-MID. Possibly attributed to a regional background, total Pb and/or total Cr are at detectable levels in all soil samples. In some samples, total Pb and/or total Cr levels are above the 5 ppm regulatory level set forth for Toxicity Characteristic Leakage Procedure.

In groundwater, as shown in Table 3, a number of compounds are detected at a level above the laboratory's Method Detection Limit. Among organic compounds, benzene, naphthalene, and C9-C10 aromatics are at concentration above North Carolina Groundwater Standards or Interim Groundwater Standards. However, all of them are significantly below the corresponding Groundwater Gross Contamination Level (GCL). It is noted that both total Pb and total Cr concentrations are above Groundwater GCL.

IV. Conclusions and Recommendations

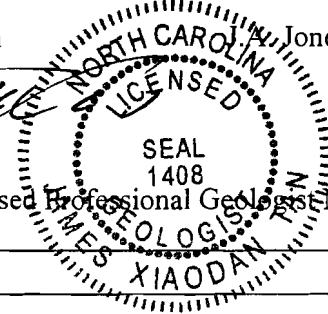

Petroleum hydrocarbon contamination is indicated in soil at concentrations above the state reportable levels. Groundwater contamination is also indicated. However, this contamination is likely a portion of a contamination plume that was derived from sources in the fuel farm other than this concrete used-oil UST.

The petroleum hydrocarbon contamination levels in both groundwater and soil at this location are relatively low in view of the industrial land use category. Therefore, natural attenuation is considered to be the optimum remediation choice.

V. Signature and Seal of Professional Engineer or Licensed Geologist

James X. Tan

Jones Environmental Services Company



North Carolina Licensed Professional Geologist No. 1408

VI. Enclosures**A. Figures**

1. Site Location Map
2. Site Drawing

B. Tables

1. Field Soil OVA Screening Results
2. Analytical Results of Soil Samples
3. Analytical Results of Groundwater Sample

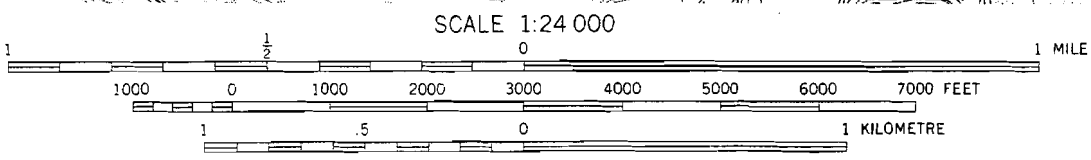
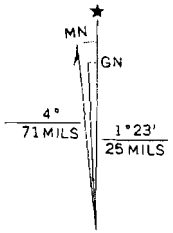
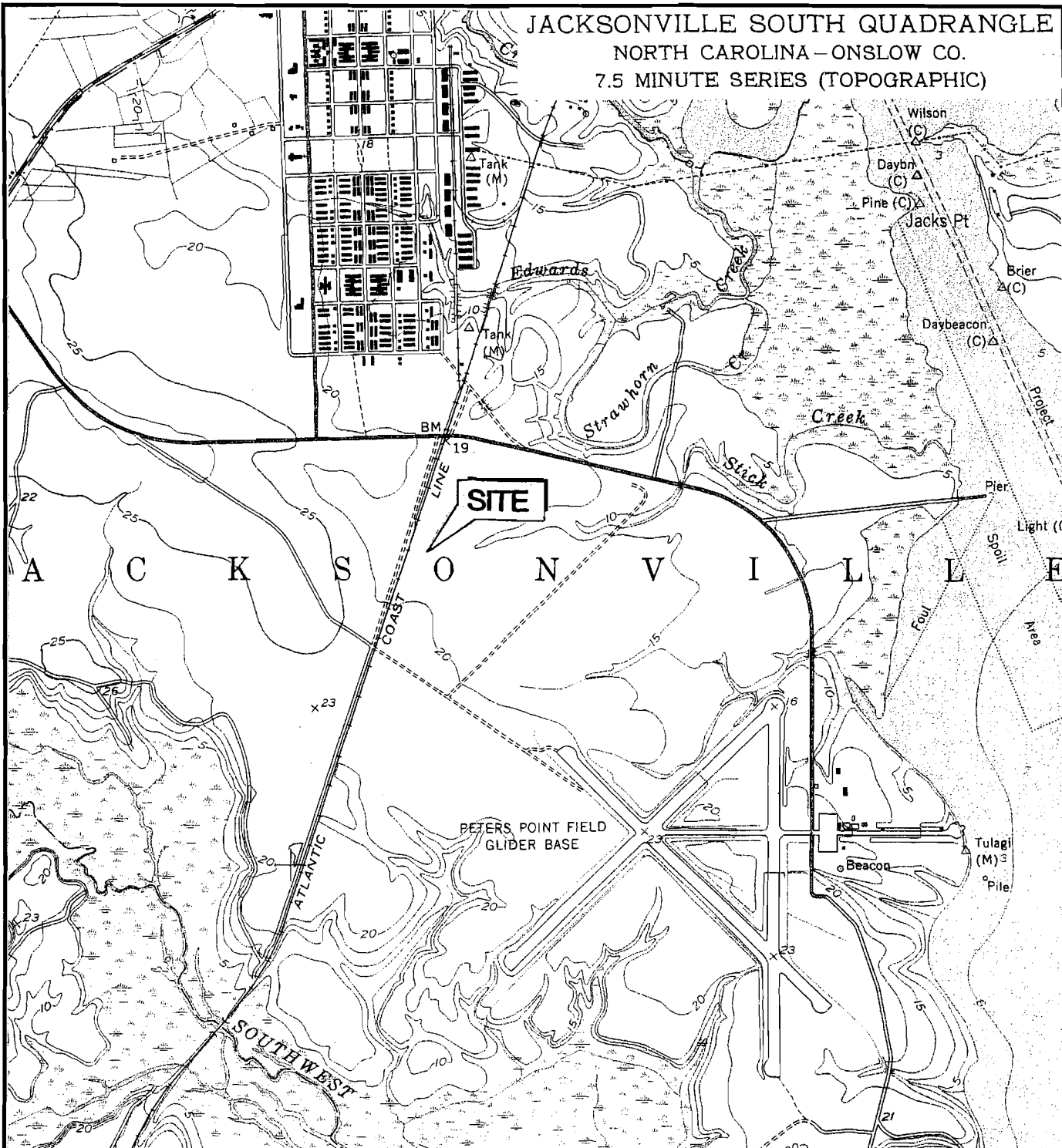
C. Appendices

- Appendix A: GW-UST-2 Form
- Appendix B: Copy of GW-UST-3 Form
- Appendix C: Certificate of UST Disposal
- Appendix D: Waste Transportation Manifest
- Appendix E: Contaminated Soil Transportation Manifest
- Appendix F: Laboratory Analytical Report for Tank Contents
- Appendix G: Laboratory Analytical Report for Soil and Groundwater
- Appendix H: Photographs of UST Closure Activities

FIGURES

1. **Site Location Map**
2. **Site Drawing**

JACKSONVILLE SOUTH QUADRANGLE
 NORTH CAROLINA - ONSLOW CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)



UTM GRID AND 1952 MAGNETIC NORTH

CONTOUR INTERVAL 5 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

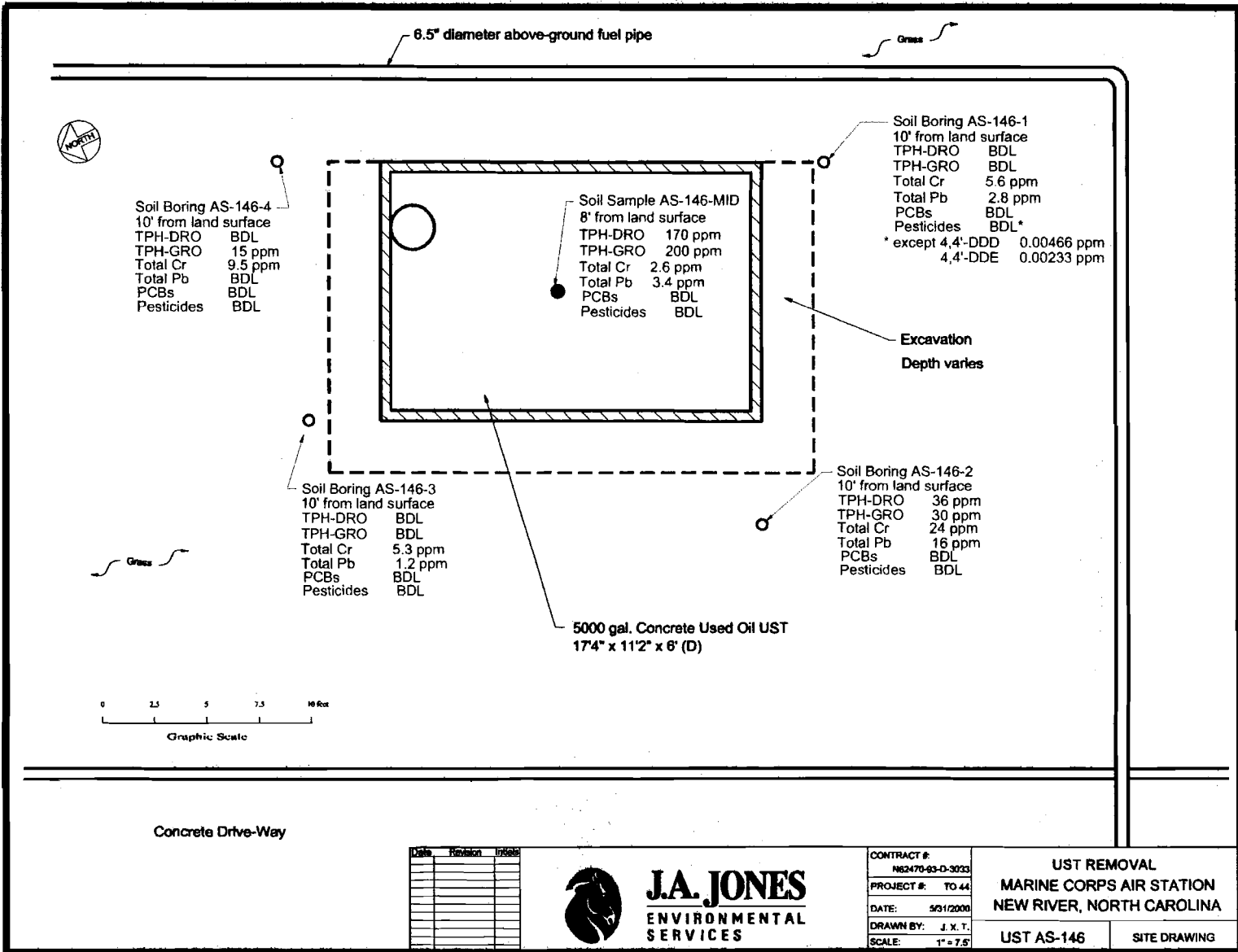


J.A. JONES
 ENVIRONMENTAL
 SERVICES

MARINE CORPS AIR STATION
 New River, North Carolina
 Remove UST AS-146

Contract No. N62470-93-D-3033, Delivery Order 044

Figure 1
 Site
 Location



Date	Revision	Initials



J.A. JONES
ENVIRONMENTAL
SERVICES

CONTRACT #:	N62470-93-D-3033
PROJECT #:	TO 44
DATE:	5/31/2000
DRAWN BY:	J. X. T.
SCALE:	1" = 7.5'

UST REMOVAL	
MARINE CORPS AIR STATION	
NEW RIVER, NORTH CAROLINA	
UST AS-146	SITE DRAWING

01122T104

TABLES

Table 1. Field Soil OVA Screening Results

Date: 5/18/2000
Instrument: Foxboro TVA-1000

Sample ID	Matrix	Location	Depth	FID Reading (ppm)	PID Reading (ppm)
1-7	Sand	Soil Boring AS-146-1	7'	275	23
1-9	Gravel	Soil Boring AS-146-1	9'	3	18
1-10	Gravel	Soil Boring AS-146-1	10'	285	9
3-7	Sand	Soil Boring AS-146-3	7'	890	22
3-9	Gravel	Soil Boring AS-146-3	9'	74	24
3-10	Gravel	Soil Boring AS-146-3	10'	101	19
4-7	Sand	Soil Boring AS-146-4	7'	1600	14
4-9	Gravel	Soil Boring AS-146-4	9'	1380	18
4-10	Gravel	Soil Boring AS-146-4	10'	485	19

Note: No soil sample was recoverable from Soil Boring AS-146-2, only a small amount of soil collected at 10' below land surface for lab test.

Table 2. Analytical Results of Soil Samples

Sample ID	Date	Depth	Pb Total	Cr Total	PCBs	Pesticides	TPH-DRO	TPH-GRO
AS-146-1	5/18/00	10'	2.8	5.6	BDL	BDL*	BDL	BDL
AS-146-2	5/18/00	10'	16	24	BDL	BDL	36	30
AS-146-3	5/18/00	10'	1.2	5.3	BDL	BDL	BDL	BDL
AS-146-4	5/18/00	10'	BDL	9.5	BDL	BDL	BDL	15
AS-146-MID	5/25/00	8'	3.4	2.6	BDL	BDL**	170	200

Note:

Concentration in ppm

* ---- Except 4,4'-DDD (0.00466 ppm) and 4,4'-DDE (0.00233 ppm)

** ---- Except 4,4'-DDT (0.0057 ppm)

Table 3. Analytical Result of Groundwater Sample

Sample ID: AS-146-Water
 Sample Date: 5/25/00
 Concentration in ppb

Compounds	Methods	Concentration	NC GW Standards or Interim GW Standards	NC GW Gross Contamination Level
Pb (total)	6010	18	15	15
Cr (total)	6010	340	50	50
benzene	6230D	1.5	1	5,000
toluene	6230D	8	1,000	257,500
ethylbenzene	6230D	7.8	29	29,000
total xylenes	6230D	29	530	87,500
isopropylbenzene	6230D	3.4	70	25,000
n-propylbenzene	6230D	8.7	70	30,000
1,3,5-trimethylbenzene	6230D	14	350	25,000
1,2,4-trimethylbenzene	6230D	47	350	28,500
sec-butylbenzene	6230D	8.2	70	8,500
p-isopropyltoluene	6230D	5.8	N/E	N/E
n-butylbenzene	6230D	46	70	6,900
naphthalene	6230D	56	21	15,500
naphthalene	625	30	21	15,500
2,4-dimethylphenol	625	17	140	N/E
Phenol	625	21	300	N/E
C5-C8 aliphatics	VPH	420	420	N/E
C9-C12 aliphatics	VPH	330	4,200*	N/E
C9-C10 aromatics	VPH	560	210**	N/E

Note:

N/E ---- Not established

* ---- set for petroleum aliphatic carbon fraction class C9-C18

** ---- set for petroleum aromatics carbon fraction class C9-C32

APPENDIX A

GW-UST-2 Form

FOR
TANKS
IN
NC

Return Completed Form To:
The appropriate DWQ Regional Office according to the county of the facility's
Location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL
OFFICE ADDRESS].

State Use Only
I.D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)

II. Location of Tank(s)

Owner Name: Commanding General, MCB
Corporation, Individual, Public Agency, or Other Entity
Street Address: AC/S, EMD, MCB, PSC20004
County: Onslow
City: Camp Lejeune State: NC Zip Code: 28542
Tele. No. (Area Code): (910) 451-5837

Facility Name or Company: Building AS-146, MCAS
Facility ID #: _____
Street Address or State Road: Camp Lejeune
County: Onslow City: Camp Lejeune Zip Code: 28542
Tele. No. (Area Code): (910) 451-5837

III. Contact Person

Name: Mr. Brian Marshburn Job Title: Environmental Engineer Tel. No.: (910) 451-5837
Closure Contractor: J.A. Jones Environmental Serv. Address: 6135 Park South Dr. Charlotte, NC Tel. No.: (704) 553-3595
Primary Consultant: Same Address: Same Tel. No.: Same
Lab: Prism Laboratories Address: 449 Springbrook Rd. Charlotte, NC Tel. No.: (704) 529-6364

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
AS-146	5000	17.3'x 11.5'x6'	Used Oil		X		X		X

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DWQ in the written report and sketch.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

VII. Check List (Check the activities completed)

PERMANENT CLOSURE (For Removing or Abandoning-in-place)

- Contact local fire marshal
 - Notify DWQ Regional Office before abandonment.
 - Drain & Flush piping into tank.
 - Remove all product and residuals from tank.
 - Excavate down to tank.
 - Clean and inspect tank.
 - Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
 - Cap or plug all lines except the vent and fill lines.
 - Purge tank of all product & flammable vapors.
 - Cut one or more large holes in the tanks.
 - Backfill the area.
- Date Tank(s) Permanently Closed: 5/23/2000
Date of Change-in-Service: _____

ABANDONMENT IN PLACE

- Fill tank until material overflows tank opening.
- Plug or cap all openings.
- Disconnect and cap or remove vent line.
- Solid inert material used - specify: _____

REMOVAL

- Create vent hole.
 - Label tank.
 - Dispose of tank in approved manner.
- Final tank destination: Base Landfill
Marine Corps Base, Camp Lejeune, NC

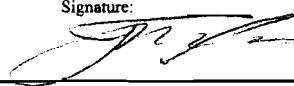
VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative

James X. Tan Project Geologist

Signature:



Date Signed

6/1/2000

APPENDIX B

Copy of GW-UST-3 Form

Notice of Intent: UST Permanent Closure or Change-In-Service

FOR
TANKS
IN
NC

Return Completed Form To:
The appropriate DWQ Regional Office according to the county of the facility's
Location. [SEE REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL
OFFICE ADDRESS].

State Use Only
I.D. Number _____
Date Received _____

INSTRUCTIONS

Complete and return at least five (5) working days prior to closure or change-in-service if a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and Seals all closure reports. Otherwise, thirty (30) days notice is required.

I. OWNERSHIP OF TANK(S)

II. LOCATION OF TANK(S)

Tank Owner Name: Commanding General, MCB
Corporation, Individual, Public Agency, or Other Entity
Street Address: AC/S, EMD, PSC20004
County: Onslow
City: Camp Lejeune State: NC Zip Code: 28542
Tele. No. (Area Code): (910) 451-5837

Facility Name or Company: AS146, MCAS
Facility ID # (if available): N/A
Street Address or State Road: MCAS New River
County: Onslow City: Camp Lejeune Zip Code: 28542
Tele. No. (Area Code): (910) 451-5837

III. CONTACT PERSON

Name: Mr. Brian Marshburn Job Title: Environmental Engineer Telephone Number: (910) 451-5837

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE IN SERVICE

- | | | |
|---|---|--|
| <ol style="list-style-type: none"> 1. Contact Local Fire Marshall. 2. Plan the entire closure event. 3. Conduct Site Soil Assessments. 4. If Removing Tanks or Closing in Place refer to API Publication 2015 "Cleaning Petroleum Storage Tanks" & 1604 "Removal & Disposal of Used Underground Petroleum Storage Tanks". | <ol style="list-style-type: none"> 5. Provide a sketch locating piping, tanks and soil sampling locations. 6. Submit a closure report in the format of GW/UST-12 and include the form GW/UST-2 within 30 days following the site investigation. 7. If a release from the tank(s) has occurred, the site assessment portion of the tank | <ol style="list-style-type: none"> Closure must be conducted under the Supervision of a P.E. or L.G., with all Closure site assessment reports bearing Signature and seal of the P.E. or L.G. If a release has not occurred, the Supervision, signature, or seal of a P.E. Or L.G. is not required. 8. Keep closure records for 3 years. |
|---|---|--|

V. WORK TO BE PERFORMED BY

(Contractor) Name: J.A. Jones Environmental Services, Company
Address: 6135 Park South Drive Suite 250 Charlotte State: North Carolina Zip Code: 28210
Contact: Bryan Steiner Phone: (704) 553-3618
Primary Consultant: Jim Tan L.G. (J.A.J.E.S.) Phone: (704) 553-3379

VI. TANK(S) SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

TANK ID#	TANK CAPACITY	LAST CONTENTS	PROPOSED ACTIVITY		
			CLOSURE		CHANGE-IN-SERVICE New Contents Stored
			Removal	Abandonment In Place	
<u>AS 146</u>	<u>5,000 Gallons</u>	<u>Used Oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

Print name and official title
Bryan Steiner Project Engineer

Signature: [Signature]
* If scheduled work date changes, notify your appropriate DWQ Regional Office 48 hours prior to originally scheduled date.

* Scheduled Removal Date: 8/3/99
Date Submitted: 7/12/99

APPENDIX C

Certificate of UST Disposal



J.A. JONES

ENVIRONMENTAL
SERVICES

6135 Park South Drive, Suite 250, Charlotte, NC 28210
(704) 553-3595 / (704) 553-3599

TANK DISPOSAL MANIFEST

1. Tank Owner:

Commanding General, Marine Corps Base, Camp Lejeune, North Carolina
AC/S, Environmental Management Division, MCB, Camp Lejeune, NC 28542

2. Tank Owner / Authorized Representative:

Contact: Mr. Gene Jones
Phone # (910) 451-1482

3. Description of Tanks:

<u>Tank ID No.</u>	<u>Capacity</u>	<u>Previous Content</u>	<u>Comments</u>
AS-146	9,000 Gallons	Used Oil	

4. Tank Owner / Authorized Representative Certification:

The undersigned certifies that the above listed storage tank(s) have been removed from the premises of the tank owner.

Eugene A Jones
Printed / Typed Name

Eugene A Jones
Signature

05/24/00
Month/Day/Year

5) Transporter:

The undersigned certifies that the above listed storage tank(s) have been demolished into debris and transported to the landfill, Marine Corps Base, Camp Lejeune, North Carolina.

~~CLB~~
F.I. Brunner
Printed / Typed Name

F.I. Brunner
Signature

05/23/00
Month/Day/Year

6) Disposal Certification:

The undersigned certifies that the above named storage tank(s) have been demolished into debris and accepted by the landfill facility.

Receiving Facility: Landfill, MCB, Camp Lejeune, NC

(910) 451-2946

CLINTON BRUNNER
Printed / Typed Name

Clinton Brunner
Signature

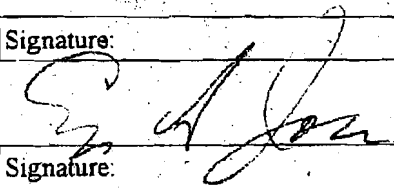
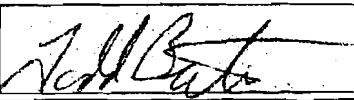
5-23-00
Month/Day/Year

APPENCIX D

Waste Transportation Manifest

Marine Corps Base, Camp Lejeune Non-Hazardous Waste Shipping Document

Document #: **0977**

Site: AS-146, MCAS, New River, NC			Page 1 of	
Generator's Name & Mailing Address:		US EPA ID Number: NC6170022580		
Commanding General AC/S EMD/IRD MCB PSC Box 20004 Camp Lejeune, NC 28542-0004 (910)451-5068				
Generator's Telephone #:				
Transporter's Name, Mailing Address & Telephone Number:		US EPA ID Number:		
R & L Carrier 145 North Pineridge Rd., Chinagrove, NC, 28023 (800) 344-3207				
Destination's Name, Mailing Address & Telephone Number:		US EPA ID Number: NCD986171031		
ECO System, Inc. 1108 Old Thomasville Rd., High Point, NC 27260 (336) 883-7905				
Waste Shipping Name and Description	Containers		Total Quantity	Units
	Number	Type		
Petroleum Contaminated Water / Fuel	1	drum	150	P
Container/Tag Number:	Profile #:			
Lab: Prism Lab, 449 Springbrook Rd., Charlotte, NC 28224				
Additional Information and Discrepancy Indication:				
GENERATOR'S STATEMENT: The materials described above on this shipping document are not subject to federal regulations for proper disposal of hazardous waste. The determination of non-hazardous waste and the information on this form are based on the analysis provided by:				
Printed/Typed Name	Signature:	Date:		
Eugene H Jones		6-15-00		
Transporter's Name	Signature:	Date:		
JEFF WADE - RHL CARRIERS	Jeff Wade RHL JW	6-15-00		
Accepting Facility	Signature:	Date:		
Jedd Bates - United Eco Systems		6-16-00		

Destination Facility's Copy

APPENCIX E

Contaminated Soil Transportation Manifest

Marine Corps Base, Camp Lejeune Non-Hazardous Waste Shipping Document

Document #: **0975**

Site: **A5-146, MCAS, New River, NC** Page 1 of 1

Generator's Name & Mailing Address: **Commanding General
AC/S EMD/IRD
MCB
PSC Box 20004
Camp Lejeune, NC 28542-0004** US EPA ID Number: **NC6170022580**

Generator's Telephone #: **(910)451-5068**

Transporter's Name, Mailing Address & Telephone Number: US EPA ID Number: _____
**Robert Jones Trucking Inc.
1450 Deppe Loop Rd. Maysville, NC 28555 (910)455-8579**

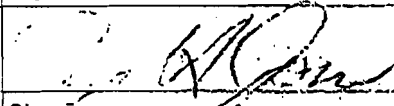
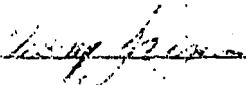
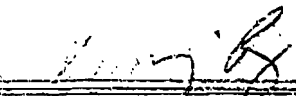
Destination's Name, Mailing Address & Telephone Number: US EPA ID Number: **3R0600025**
**ES&J Enterprises Inc.
1555 Holland Rd.
Ardurville, NC 28018 (910)567-6138**

Waste Shipping Name and Description	Containers		Total Quantity	Units
	Number	Type		
petroleum contaminated soil	1	truck	21.25	TCWS

Container/Tag Number: **Lab Prism Lab 4100 ...** Profile #: _____

Additional Information and Discrepancy Indication:

GENERATOR'S STATEMENT: The materials described above on this shipping document are not subject to federal regulations for proper disposal of hazardous waste. The determination of non-hazardous waste and the information on this form are based on the analysis provided by:

Printed/Typed Name	Signature:	Date:
Eugene J. Jones		6/17/04
Transporter's Name	Signature:	Date:
Robert Jones Trucking Inc.		6/17/04
Accepting Facility	Signature:	Date:
		6/17/04

Contractor's Copy

APPENDIX F

Laboratory Analytical Reports for Tank Contents

8/19/99

Page 1 of 4

James Tan
J.A. Jones Management Service
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: 005-044-AS146
Customer Sample ID: AS146-SEDIMEN
Prism Sample ID: AB38021
Login Group: 9394E2
Sample Collection Date/Time: 8/5/99 08:30
Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	MDL	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TCLP EXTRACTION (VOLATILES ONL	Completed			1311	8/9/99 16:30	LAC
TCLP EXTRACTION	Completed			1311	8/9/99 16:00	LAC
PREP. METHOD 3510	Completed			3510	8/10/99 13:15	LAC
PREP. METHOD 3510 WITH EXCHAN	Completed			3510	8/10/99 16:00	SA
PREP. METHOD 3510 WITH EXCHAN	Completed			3510	8/10/99 16:00	SA
ARSENIC, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
SELENIUM, LEACHABLE	Less than	mg/L	0.10	6010	8/12/99 14:00	MSP
CADMIUM, LEACHABLE	Less than	mg/L	0.10	6010	8/12/99 14:00	MSP
CHROMIUM, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
LEAD, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
SILVER, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
BARIUM, LEACHABLE	Less than	mg/L	10.00	6010	8/12/99 14:00	MSP
MERCURY, LEACHABLE	Less than	mg/L	0.02	7471	8/12/99 14:00	GRR
MERCURY DIGESTION	Completed			7471	8/12/99 08:00	GRR
METALS DIGESTION	Completed			EPA 3010	8/11/99 17:00	GRR
CHLORDANE	Not detected	mg/L	0.003	SW-846 8081	8/13/99 10:27	SA
ENDRIN	Not detected	mg/L	0.002	SW-846 8081	8/13/99 10:27	SA
HEPTACHLOR	Not detected	mg/L	0.0008	SW-846 8081	8/13/99 10:27	SA
LINDANE	Not detected	mg/L	0.04	SW-846 8081	8/13/99 10:27	SA
METHOXYCHLOR	Not detected	mg/L	1.0	SW-846 8081	8/13/99 10:27	SA
TOXAPHENE	Not detected	mg/L	0.05	SW-846 8081	8/13/99 10:27	SA
HEPTACHLOR EPOXIDE	Not detected	mg/L	0.0008	SW-846 8081	8/13/99 10:27	SA

2,4-D	Not detected	mg/L	1.0	SW-846 8150	8/13/99 10:29	SA
SILVEX	Not detected	mg/L	0.10	SW-846 8150	8/13/99 10:29	SA

BENZENE	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP
CARBON TETRACHLORIDE	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP
CHLOROBENZENE	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP
CHLOROFORM	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP
1,4-DICHLOROBENZENE	Not detected	mg/L	0.014	SW846-8260	8/11/99 12:42	MP
1,2-DICHLOROETHANE	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP
1,1-DICHLOROETHENE	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification N. E87519

8/19/99

Page 2 of 4

James Tan
J.A. Jones Management Service
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: 005-044-AS146
Customer Sample ID: AS146-SEDIMEN
Prism Sample ID: AB38021
Login Group: 9394E2
Sample Collection Date/Time: 8/5/99 08:30
Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

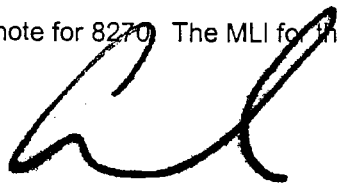
TEST PARAMETER	TEST RESULT	UNITS	MDL	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METHYL ETHYL KETONE	Not detected	mg/L	0.04	SW846-8260	8/11/99 12:42	MP
TETRACHLOROETHENE	Not detected	mg/L	0.012	SW846-8260	8/11/99 12:42	MP
TRICHLOROETHENE	Not detected	mg/L	0.01	SW846-8260	8/11/99 12:42	MP
VINYL CHLORIDE	Not detected	mg/L	0.02	SW846-8260	8/11/99 12:42	MP

CRESOLS	Not detected	mg/L	0.250	SW846-8270	8/12/99 14:45	HWC
1,4-DICHLOROBENZENE	Not detected	mg/L	0.250	SW846-8270	8/12/99 14:45	HWC
2,4-DINITROTOLUENE	Not detected	mg/L	0.060	SW846-8270	8/12/99 14:45	HWC
HEXACHLOROBENZENE	Not detected	mg/L	0.050	SW846-8270	8/12/99 14:45	HWC
HEXACHLOROBUTADIENE	Not detected	mg/L	0.250	SW846-8270	8/12/99 14:45	HWC
HEXACHLOROETHANE	Not detected	mg/L	0.250	SW846-8270	8/12/99 14:45	HWC
NITROBENZENE	Not detected	mg/L	0.250	SW846-8270	8/12/99 14:45	HWC
PENTACHLOROPHENOL	Not detected	mg/L	1.2	SW846-8270	8/12/99 14:45	HWC
PYRIDINE	Not detected	mg/L	1.2	SW846-8270	8/12/99 14:45	HWC
2,4,5-TRICHLOROPHENOL	Not detected	mg/L	1.2	SW846-8270	8/12/99 14:45	HWC
2,4,6-TRICHLOROPHENOL	Not detected	mg/L	0.50	SW846-8270	8/12/99 14:45	HWC

Sample Comments:

TCLP pesticides and herbicides subcontracted to NC certified lab # 387.

Analysis note for 8270. The MLI for this sample was raised due to sample matrix.



Angela D. Overcash, V.P. Laboratory Services

8/19/99

Page 3 of 4

James Tan
J.A. Jones Management Service
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: 005-044-AS146
Customer Sample ID: AS146-LIQUID
Prism Sample ID: AB38022
Login Group: 9394E2
Sample Collection Date/Time: 8/5/99 09:45
Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	MDL	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TCLP EXTRACTION (VOLATILES ONL	Completed			1311	8/9/99 16:15	LAC
TCLP EXTRACTION	Completed			1311	8/9/99 16:00	LAC
PREP. METHOD 3510	Completed			3510	8/12/99 14:30	HWC
PREP. METHOD 3510 WITH EXCHAN	Completed			3510	8/10/99 16:00	SA
PREP. METHOD 3510 WITH EXCHAN	Completed			3510	8/10/99 16:00	SA
ARSENIC, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
SELENIUM, LEACHABLE	Less than	mg/L	0.10	6010	8/12/99 14:00	MSP
CADMIUM, LEACHABLE	Less than	mg/L	0.10	6010	8/12/99 14:00	MSP
CHROMIUM, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
LEAD, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
SILVER, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
BARIUM, LEACHABLE	Less than	mg/L	10.00	6010	8/12/99 14:00	MSP
MERCURY, LEACHABLE	Less than	mg/L	0.02	7471	8/12/99 14:00	GRR
MERCURY DIGESTION	Completed			7471	8/12/99 08:00	GRR
METALS DIGESTION	Completed			EPA 3010	8/11/99 17:00	GRR
CHLORDANE	Not detected	mg/L	0.003	SW-846 8081	8/13/99 10:27	SA
ENDRIN	Not detected	mg/L	0.002	SW-846 8081	8/13/99 10:27	SA
HEPTACHLOR	Not detected	mg/L	0.0008	SW-846 8081	8/13/99 10:27	SA
LINDANE	Not detected	mg/L	0.04	SW-846 8081	8/13/99 10:27	SA
METHOXYCHLOR	Not detected	mg/L	1.0	SW-846 8081	8/13/99 10:27	SA
TOXAPHENE	Not detected	mg/L	0.05	SW-846 8081	8/13/99 10:27	SA
HEPTACHLOR EPOXIDE	Not detected	mg/L	0.0008	SW-846 8081	8/13/99 10:27	SA

2,4-D	Not detected	mg/L	1.0	SW-846 8150	8/13/99 10:29	SA
SILVEX	Not detected	mg/L	0.10	SW-846 8150	8/13/99 10:29	SA

BENZENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
CARBON TETRACHLORIDE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
CHLOROBENZENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
CHLOROFORM	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
1,4-DICHLOROENZENE	Not detected	mg/L	7.00	SW846-8260	8/11/99 14:27	MP
1,2-DICHLOROETHANE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
1,1-DICHLOROETHENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification N. E87519

8/19/99

Page 4 of 4

James Tan
J.A. Jones Management Service
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: 005-044-AS146
Customer Sample ID: AS146-LIQUID
Prism Sample ID: AB38022
Login Group: 9394E2
Sample Collection Date/Time: 8/5/99 09:45
Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

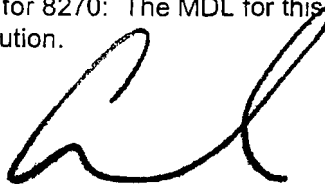
TEST PARAMETER	TEST RESULT	UNITS	MDL	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METHYL ETHYL KETONE	Not detected	mg/L	20	SW846-8260	8/11/99 14:27	MP
TETRACHLOROETHENE	Not detected	mg/L	6.00	SW846-8260	8/11/99 14:27	MP
TRICHLOROETHENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
VINYL CHLORIDE	Not detected	mg/L	10	SW846-8260	8/11/99 14:27	MP

CRESOLS	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
1,4-DICHLOROBENZENE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
2,4-DINITROTOLUENE	Not detected	mg/L	120	SW846-8270	8/12/99 15:32	HWC
HEXACHLOROBENZENE	Not detected	mg/L	100	SW846-8270	8/12/99 15:32	HWC
HEXACHLOROBUTADIENE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
HEXACHLOROETHANE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
NITROBENZENE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
PENTACHLOROPHENOL	Not detected	mg/L	2500	SW846-8270	8/12/99 15:32	HWC
PYRIDINE	Not detected	mg/L	2500	SW846-8270	8/12/99 15:32	HWC
2,4,5-TRICHLOROPHENOL	Not detected	mg/L	2500	SW846-8270	8/12/99 15:32	HWC
2,4,6-TRICHLOROPHENOL	Not detected	mg/L	1000	SW846-8270	8/12/99 15:32	HWC

Sample Comments:

TCLP pesticides and herbicides subcontracted to NC certified lab # 387.

Analysis note for 8270: The MDL for this sample was raised due to sample matrix. The sample was analyzed as a waste dilution.



Angela D. Overcash, V.P. Laboratory Services

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

** Original report and a copy of the chain of custody will follow by mail.

PRISM LABORATORIES 5625
ANGELA OVERCASH
P.O. BOX 240543
CHARLOTTE, NC 28224

Lab Number: 99-A119749

Sample ID: AB38021

Date Collected: 8/ 5/99

Project: 9394E

Time Collected: 8:30

Project Name:

Date Received: 8/10/99

Sampler:

Time Received: 9:00

State Certification: 387

Sample Type: Solid waste

TCLP Results

Analyte	Result	Units	Matrix Spike		Date	Time	analyst	Method
			Reg Limit	Recovery (%)				
Chlordane	< 0.003	mg/l	0.030	63	8/13/99	10:27	M.Rogers	3080
2,4-D	< 1.0	mg/l	10.0	107	8/13/99	10:29	M.Rogers	3150
Endrin	< 0.0020	mg/l	0.02	184	8/13/99	10:27	M.Rogers	3080
Heptachlor	< 0.0006	mg/l	0.006	132	8/13/99	10:27	M.Rogers	3080
Lindane	< 0.040	mg/l	0.4	140	8/13/99	10:27	M.Rogers	3080
Methoxychlor	< 1.00	mg/l	10.0	125	8/13/99	10:27	M.Rogers	3080
Toxaphene	< 0.050	mg/l	0.50	119	8/13/99	10:27	M.Rogers	3080
Silvex	< 0.10	mg/l	1.0	59	8/13/99	10:29	M.Rogers	3150
Heptachlor epoxide	< 0.0008	mg/l	0.008	130	8/13/99	10:27	M.Rogers	3080
TCLP Extraction	Initiated				8/10/99	16:00	E. Mabry	1311

ND - Not detected at the report limit.

Surrogate	% Recovery	Target Range
pest surr-TQM	106.	20. - 122.
surr-Dibutylchloroendate	44.	10. - 120.
surr-DCPAA	89.	20. - 130.

Report Approved By: _____

Report Date: 8/13/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS ENVIRONMENTAL
2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

Original report and a copy of the chain of custody will follow by mail.

PRISM LABORATORIES 5625
ANGELA OVERCASH
P.O. BOX 240543
CHARLOTTE, NC 28224

Lab Number: 99-A119750

Sample ID: AB38022

Date Collected: 8/ 5/99

Project: 9394E

Time Collected: 9:45

Project Name:

Date Received: 8/10/99

Sampler:

Time Received: 9:00

State Certification: 387

Sample Type: Liquid waste

TCLP Results

Analyte	Result	Units	Matrix Spike		Date	Time	Analyst	Method
			Reg Limit	Recovery (%)				
Chlordane	< 0.003	mg/l	0.030	55	8/13/99	10:27	M.Rogers	8080
2,4-D	< 1.0	mg/l	10.0	106	8/13/99	10:29	M.Rogers	8150
Endrin	< 0.0020	mg/l	0.02	164	8/13/99	10:27	M.Rogers	8080
Heptachlor	< 0.0008	mg/l	0.008	121	8/13/99	10:27	M.Rogers	8080
Lindane	< 0.040	mg/l	0.4	125	8/13/99	10:27	M.Rogers	8080
Methoxychlor	< 1.00	mg/l	10.0	118	8/13/99	10:27	M.Rogers	8080
Toxaphene	< 0.050	mg/l	0.50	138	8/13/99	10:27	M.Rogers	8080
Silvex	< 0.10	mg/l	1.0	81	8/13/99	10:29	M.Rogers	8150
Heptachlor epoxide	< 0.0008	mg/l	0.008	124	8/13/99	10:27	M.Rogers	8080

ND - Not detected at the report limit.

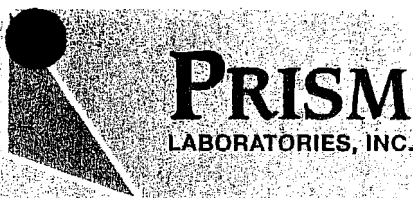
Surrogate	% Recovery	Target Range
surr-DCPAA	81.	20. - 130.

Surrogate diluted out due to sample matrix

Report Approved By: _____ Report Date: 8/13/99

Theodore J. Duello, Ph.D., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Services
Eric Smith, Assistant Technical Director
Gail A Lage, Technical Services

Laboratory Certification Number: 387



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUO 1

449 Springbrook Road ▲ Charlotte, NC 28217
 P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Fax: 704/525-0409

PRESS DOWN FIRMLY - 3 COPIES

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>11.6</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Full Service Analytical & Environmental Solutions

Client J. A. Jones, Collins, Service Co.
 Physical Address 6115 Park South Dr., #1030
Charlotte NC 28210
 Phone 704-553-3379 Fax 704-553-3379
 P.O.#/Billing Reference 085-41-1146
 Project Name 085-41-151-6

REPORT TO: Name James Tan
 Address SAME
 BILL TO: Name J. A. Jones Collins
 Address SAME
 Requested Due Date Sampled

State Certification Requested NC SC Other NA
 Water Chlorinated Yes No NA
 Sample Iced Upon Collection Yes No

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.	
				*TYPE SEE BELOW	NO.	SIZE											
<u>15146 - Sediment</u>	<u>8/5/99</u>	<u>0830</u>	<u>S</u>	<u>1/G</u>	<u>5</u>	<u></u>	<u>None</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>15146</u>
<u>15146 - Liquid</u>	<u>8/5/99</u>	<u>0945</u>	<u>Liquid</u>	<u>A</u>	<u>1</u>	<u>1 liter</u>	<u>None</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>15146</u>

Sampler's Signature [Signature] Sampled By (Print Name) James Tan Affiliation

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>8/6/99</u>	<u>1300</u>
Method of Shipment		Log-In Group No. <u>15146</u>	

Additional Comments

NPDES NC UST: NC GROUNDWATER: NC DRINKING WATER: NC SOLID WASTE: NC OTHER: NC
 SC SC SC SC SC SC
 OTHER OTHER OTHER OTHER OTHER OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

CUSTOMER COPY



PRISM
LABORATORIES, INC.

Today's Date: May 3, 2000
Full Service Analytical & Environmental Solutions

Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

REVISED LABORATORY REPORT

James Tan
J.A. Jones Management Service
6135 Park South Dr., Ste 250
Charlotte, NC 28210

Client Project ID: 005-044-AS146
Client Sample ID: AS146-Liquid
Prism Sample ID: AB38022
Prism Login Group: 9394E2

The attached laboratory report is a revision and supersedes our original laboratory report dated August 5, 1999.

If you have questions, please call us.

Angela D. Overcash, V.P. Laboratory Services

Prepared by: Peggy Kendall

F:\common\revlab.xls
Created 3/16/00 Revised 3/30/00

5/3/00

Page 3 of 5

James Tan
J.A. Jones Management Service
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: 005-044-AS146
Customer Sample ID: AS146-LIQUID
Prism Sample ID: AB38022
Login Group: 9394E2
Sample Collection Date/Time: 8/5/99 09:45
Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TCLP EXTRACTION (VOLATILES ONLY)	Completed			1311	8/9/99 16:15	LAC
TCLP EXTRACTION	Completed			1311	8/9/99 16:00	LAC
PREP. METHOD 3510	Completed			3510	8/12/99 14:30	HWC
PREP. METHOD 3510 WITH EXCHANGE	Completed			3510	8/10/99 16:00	SA
ARSENIC, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
SELENIUM, LEACHABLE	Less than	mg/L	0.10	6010	8/12/99 14:00	MSP
CADMIUM, LEACHABLE	Less than	mg/L	0.10	6010	8/12/99 14:00	MSP
CHROMIUM, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
LEAD, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
SILVER, LEACHABLE	Less than	mg/L	0.50	6010	8/12/99 14:00	MSP
BARIUM, LEACHABLE	Less than	mg/L	10.00	6010	8/12/99 14:00	MSP
MERCURY, LEACHABLE	Less than	mg/L	0.02	7471	8/12/99 14:00	GRR
MERCURY DIGESTION	Completed			7471	8/12/99 08:00	GRR
CHLORDANE	Not detected	mg/L	0.003	8081/1311	8/13/99 10:27	SA
ENDRIN	Not detected	mg/L	0.002	8081/1311	8/13/99 10:27	SA
HEPTACHLOR	Not detected	mg/L	0.0008	8081/1311	8/13/99 10:27	SA
LINDANE	Not detected	mg/L	0.04	8081/1311	8/13/99 10:27	SA
METHOXYCHLOR	Not detected	mg/L	1.0	8081/1311	8/13/99 10:27	SA
TOXAPHENE	Not detected	mg/L	0.05	8081/1311	8/13/99 10:27	SA
HEPTACHLOR EPOXIDE	Not detected	mg/L	0.0008	8081/1311	8/13/99 10:27	SA

2,4-D	Not detected	mg/L	1.0	8150/1311	8/13/99 10:29	SA
SILVEX	Not detected	mg/L	0.10	8150/1311	8/13/99 10:29	SA

PREP. METHOD 3510 WITH EXCHANGE	Completed			8151	8/10/99 16:00	SA
METALS DIGESTION	Completed			EPA 3010	8/11/99 17:00	GRR
BENZENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
CARBON TETRACHLORIDE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
CHLOROBENZENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
CHLOROFORM	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP

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James Tan
 J.A. Jones Management Service
 6135 Park South Dr, Ste 250
 Charlotte, NC 28210

Customer Project ID: 005-044-AS146
 Customer Sample ID: AS146-LIQUID
 Prism Sample ID: AB38022
 Login Group: 9394E2
 Sample Collection Date/Time: 8/5/99 09:45
 Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,4-DICHLOROBENZENE	Not detected	mg/L	7.00	SW846-8260	8/11/99 14:27	MP
1,2-DICHLOROETHANE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
1,1-DICHLOROETHENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
METHYL ETHYL KETONE	Not detected	mg/L	20	SW846-8260	8/11/99 14:27	MP
TETRACHLOROETHENE	Not detected	mg/L	6.00	SW846-8260	8/11/99 14:27	MP
TRICHLOROETHENE	Not detected	mg/L	5.0	SW846-8260	8/11/99 14:27	MP
VINYL CHLORIDE	Not detected	mg/L	10	SW846-8260	8/11/99 14:27	MP

CRESOLS	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
1,4-DICHLOROBENZENE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
2,4-DINITROTOLUENE	Not detected	mg/L	120	SW846-8270	8/12/99 15:32	HWC
HEXACHLOROBENZENE	Not detected	mg/L	100	SW846-8270	8/12/99 15:32	HWC
HEXACHLOROBUTADIENE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
HEXACHLOROETHANE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
NITROBENZENE	Not detected	mg/L	500	SW846-8270	8/12/99 15:32	HWC
PENTACHLOROPHENOL	Not detected	mg/L	2500	SW846-8270	8/12/99 15:32	HWC
PYRIDINE	Not detected	mg/L	2500	SW846-8270	8/12/99 15:32	HWC
2,4,5-TRICHLOROPHENOL	Not detected	mg/L	2500	SW846-8270	8/12/99 15:32	HWC
2,4,6-TRICHLOROPHENOL	Not detected	mg/L	1000	SW846-8270	8/12/99 15:32	HWC

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449 Springbrook Road ▲ P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Toll Free Number: 1-800/529-6364 ▲ Fax: 704/525-0409

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James Tan
 J.A. Jones Management Service
 6135 Park South Dr, Ste 250
 Charlotte, NC 28210

Customer Project ID: 005-044-AS146
Customer Sample ID: AS146-LIQUID
Prism Sample ID: AB38022
 Login Group: 9394E2
 Sample Collection Date/Time: 8/5/99 09:45
 Lab Submittal Date/Time: 8/6/99 10:30

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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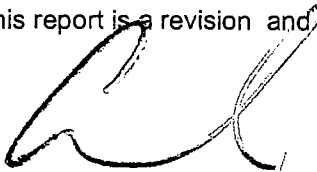
Sample Comments:

TCLP pesticides and herbicides subcontracted to NC certified lab # 387.

Analysis note for 8270: The MDLs for this sample were raised due to sample matrix. The sample was analyzed as a waste dilution.

Analysis note for 8260 : The MDLs for this sample were raised due to the sample matrix. This sample required a 1:1000 dilution due to the presence of non-target compounds. This 1:1000 dilution gives detection limits of 5.0 mg/L.

This report is a revision and supersedes our original laboratory report dated 8/5/99.



Angela D. Overcash, V.P. Laboratory Services

APPENDIX G

Laboratory Analytical Report for Soil and Groundwater

Lab Report

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-1
Prism Sample ID: AB68912
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 08:43
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD 3050	Completed			3050	5/19/00 13:00	PRF
PREP. METHOD 3550	Completed			3550	5/19/00 20:30	JMK
PREP. METHOD 3550	Completed			3550	5/20/00	SA
CHROMIUM, TOTAL	5.6	mg/kg	1.0	6010	5/20/00 19:42	MSP
LEAD, TOTAL	2.8	mg/kg	1.0	6010	5/20/00 19:42	MSP
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	5/22/00 09:03	ESR
TPH-GASOLINE RANGE	Less than	mg/kg	1.0	8015MOD/5030	5/20/00 14:23	KV
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	5/19/00 13:00	JDP
PREP. METHOD 3550	Completed			SW846-3550	5/20/00	SA
ALDRIN	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
A-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
B-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
D-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
G-BHC, LINDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
CHLORDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
4,4'-DDD	0.00466	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
4,4'-DDE	0.00233	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
4,4'-DDT	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
DIELDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
ENDOSULFAN I	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
ENDOSULFAN II	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
ENDOSULFAN SULFATE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
ENDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
ENDRIN ALDEHYDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:00	SA
HEPTACHLOR	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
HEPTACHLOR EPOXIDE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:00	SA
4,4'-METHOXYCHLOR	Not detected	mg/kg	0.01665	SW846-8081	5/21/00 07:00	SA
TOXAPHENE	Not detected	mg/kg	0.1665	SW846-8081	5/21/00 07:00	SA

PCB-1016	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report



Full Service Analytical & Environmental Solutions

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-1
Prism Sample ID: AB68912
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 08:43
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
PCB-1221	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA
PCB-1232	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA
PCB-1242	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA
PCB-1248	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA
PCB-1254	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA
PCB-1260	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:11	SA

Sample Comments:

Methods 8081 and 8082 subcontracted to NC certified lab # 387.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-2
Prism Sample ID: AB68913
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 09:30
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD 3050	Completed			3050	5/19/00 13:00	PRF
PREP. METHOD 3550	Completed			3550	5/19/00 20:30	JMK
PREP. METHOD 3550	Completed			3550	5/20/00	SA
CHROMIUM, TOTAL	24	mg/kg	1.0	6010	5/20/00 19:51	MSP
LEAD, TOTAL	16	mg/kg	1.0	6010	5/20/00 19:51	MSP
TPH - DIESEL RANGE	36	mg/kg	10	8015MOD/3550	5/22/00 09:51	ESR
TPH-GASOLINE RANGE	30	mg/kg	10	8015MOD/5030	5/22/00 10:21	KV
CALCULATIONS BASED ON DRY WT.	61	% DRY WT.	0.01	SM 2540 G	5/19/00 13:00	JDP
PREP. METHOD 3550	Completed			SW846-3550	5/20/00	SA
ALDRIN	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
A-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
B-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
D-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
G-BHC, LINDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
CHLORDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
4,4'-DDD	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
4,4'-DDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
4,4'-DDT	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
DIELDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
ENDOSULFAN I	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
ENDOSULFAN II	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
ENDOSULFAN SULFATE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
ENDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
ENDRIN ALDEHYDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 07:30	SA
HEPTACHLOR	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
HEPTACHLOR EPOXIDE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 07:30	SA
4,4'-METHOXYCHLOR	Not detected	mg/kg	0.01665	SW846-8081	5/21/00 07:30	SA
TOXAPHENE	Not detected	mg/kg	0.1665	SW846-8081	5/21/00 07:30	SA

PCB-1016	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-2
Prism Sample ID: AB68913
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 09:30
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
PCB-1221	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA
PCB-1232	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA
PCB-1242	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA
PCB-1248	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA
PCB-1254	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA
PCB-1260	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:33	SA

Sample Comments:

Methods 8081 and 8082 subcontracted to NC certified lab # 387.



Angela D. Overcash, V.P. Laboratory Services

Lab Report

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-3
Prism Sample ID: AB68914
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 10:02
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD 3050	Completed			3050	5/19/00 13:00	PRF
PREP. METHOD 3550	Completed			3550	5/19/00 20:30	JMK
PREP. METHOD 3550	Completed			3550	5/20/00	SA
CHROMIUM, TOTAL	5.3	mg/kg	1.0	6010	5/20/00 19:27	MSP
LEAD, TOTAL	1.2	mg/kg	1.0	6010	5/20/00 19:27	MSP
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	5/21/00 04:46	ESR
TPH-GASOLINE RANGE	Less than	mg/kg	1.0	8015MOD/5030	5/20/00 15:35	KV
CALCULATIONS BASED ON DRY WT.	88	% DRY WT.	0.01	SM 2540 G	5/19/00 13:00	JDP
PREP. METHOD 3550	Completed			SW846-3550	5/20/00	SA
ALDRIN	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
A-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
B-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
D-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
G-BHC, LINDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
CHLORDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
4,4'-DDD	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
4,4'-DDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
4,4'-DDT	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
DIELDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
ENDOSULFAN I	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
ENDOSULFAN II	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
ENDOSULFAN SULFATE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
ENDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
ENDRIN ALDEHYDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:00	SA
HEPTACHLOR	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
HEPTACHLOR EPOXIDE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:00	SA
4,4'-METHOXYCHLOR	Not detected	mg/kg	0.01665	SW846-8081	5/21/00 08:00	SA
TOXAPHENE	Not detected	mg/kg	0.1665	SW846-8081	5/21/00 08:00	SA
----- PCB-1016	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-3
Prism Sample ID: AB68914
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 10:02
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
PCB-1221	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA
PCB-1232	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA
PCB-1242	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA
PCB-1248	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA
PCB-1254	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA
PCB-1260	Not detected	mg/kg	0.02	SW846-8082	5/22/00 17:55	SA

Sample Comments:

Methods 8081 and 8082 subcontracted to NC certified lab # 387.



Angela D. Overcash, V.P. Laboratory Services

Lab Report

5/23/00

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-4
Prism Sample ID: AB68915
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 10:40
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD 3050	Completed			3050	5/19/00 13:00	PRF
PREP. METHOD 3550	Completed			3550	5/19/00 20:30	JMK
PREP. METHOD 3550	Completed			3550	5/20/00	JMV
CHROMIUM, TOTAL	9.5	mg/kg	1.0	6010	5/20/00 19:46	MSP
LEAD, TOTAL	Less than	mg/kg	1.0	6010	5/20/00 19:46	MSP
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	5/21/00 05:21	ESR
TPH-GASOLINE RANGE	15	mg/kg	1.0	8015MOD/5030	5/22/00 11:05	KV
CALCULATIONS BASED ON DRY WT.	89	% DRY WT.	0.01	SM 2540 G	5/19/00 13:00	JDP
PREP. METHOD 3550	Completed			SW846-3550	5/20/00	SA
ALDRIN	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
A-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
B-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
D-BHC	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
G-BHC, LINDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
CHLORDANE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
4,4'-DDD	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
4,4'-DDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
4,4'-DDT	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
DIELDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
ENDOSULFAN I	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
ENDOSULFAN II	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
ENDOSULFAN SULFATE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
ENDRIN	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
ENDRIN ALDEHYDE	Not detected	mg/kg	0.00333	SW846-8081	5/21/00 08:29	SA
HEPTACHLOR	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
HEPTACHLOR EPOXIDE	Not detected	mg/kg	0.00166	SW846-8081	5/21/00 08:29	SA
4,4'-METHOXYCHLOR	Not detected	mg/kg	0.01665	SW846-8081	5/21/00 08:29	SA
TOXAPHENE	Not detected	mg/kg	0.1665	SW846-8081	5/21/00 08:29	SA

PCB-1016	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

5/23/00

Page 8 of 8

JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: POLRAC-DO44-AS146
Customer Sample ID: AS-146-4
Prism Sample ID: AB68915
Login Group: AO522F4
Sample Collection Date/Time: 5/18/00 10:40
Lab Submittal Date/Time: 5/19/00 10:20

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
PCB-1221	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA
PCB-1232	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA
PCB-1242	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA
PCB-1248	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA
PCB-1254	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA
PCB-1260	Not detected	mg/kg	0.02	SW846-8082	5/22/00 18:18	SA

Sample Comments:

Methods 8081 and 8082 subcontracted to NC certified lab # 387.



Angela D. Overcash, V.P. Laboratory Services



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40586
Nashville, TN 37204-0586
Phone 1-815-726-0177

ANALYTICAL REPORT

PRISM LABORATORIES 5625
ANGELA OVERTCASH
P.O. BOX 240343
CHARLOTTE, NC 28224

Lab Number: 00-A69776
Sample ID: AB 68912
Sample Type: Soil
Site ID:

Project: AD522F4
Project Name: AD 522F4
Sampler:

Date Collected: 5/18/00
Time Collected: 8:43
Date Received: 5/20/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	RII Factor	Date	Time	Analyst	Method	Batch
PESTICIDE/PCP's/HERBICIDES										
Aldrin	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
p-DNC	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
m-DNC	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
p-DNE	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
g-DNC, Lindane	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
4,4'-DDB	0.00466	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
4,4'-DDE	0.00233	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
4,4'-DDT	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Dieldrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Endosulfan I	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
Endosulfan II	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Endosulfan sulfate	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Endrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Endrin aldehyde	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Endrin Ketone	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:00	N. Cauthe	8081A	497
Heptachlor	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
Heptachlor epoxide	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
Methoxychlor	ND	ng/kg	0.01667	0.01667	1	5/21/00	7:00	N. Cauthe	8081A	497
Toxaphene	ND	ng/kg	0.1667	0.1667	1	5/21/00	7:00	N. Cauthe	8081A	497
alpha-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
gamma-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:00	N. Cauthe	8081A	497
Aroclor 1016	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589
Aroclor 1221	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589
Aroclor 1232	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589
Aroclor 1242	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589
Aroclor 1248	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589
Aroclor 1254	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589
Aroclor 1260	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:11	R. Huat	8082	589

ND = Not detected at the report limit.

Sample report continued . . .



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 00-A69776
Sample ID: AB 68712

Page 2

Sample Extraction Data

Parameter	RT/Vol		Date	Analyst	Method
	Extracted	Extract Vol			
DC Pest	30.5 gm	10.0 ml	5/20/00	D. Yeager	3350
PCB's	38.6 gm	10.0 ml	5/20/00	D. Yeager	3350

Surrogate	% Recovery	Target Range
pest surr-TCDF	84.	10. - 130.
pcb surr-TCDF	96.	10. - 130.
pest surr-DCE	94.	15. - 130.
pcb surr-DCE	86.	15. - 130.

All results reported on a wet weight basis.

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: *Gail A. Lage*

Report Date: 5/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Patricia A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PRISM LABORATORIES 3625
ANGELA OVERTASH
P. O. BOX 240543
CHARLOTTE, NC 28224

Lab Number: 00-A69777
Sample ID: AB 68913
Sample Type: Soil
Site ID:

Project:
Project Name: AD 322F4
Sampler:

Date Collected: 5/18/00
Time Collected: 9:30
Date Received: 5/20/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	True Limit	Dil Factor	Date	Time	Analyst	Method	Batch
PESTICIDE/PCB'S/HERBICIDES										
Aldrin	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
γ-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
δ-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
ε-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
γ-BHC, Lindane	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
4,4'-DDE	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
4,4'-DDD	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
4,4'-DDE	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Dieldrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Endosulfan I	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
Endosulfan II	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Endosulfan sulfate	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Endrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Endrin aldehyde	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Endrin Ketone	ND	ng/kg	0.00333	0.00333	1	5/21/00	7:30	N. Cauten	8081A	497
Heptachlor	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
Heptachlor epoxide	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
Methoxychlor	ND	ng/kg	0.01665	0.01665	1	5/21/00	7:30	N. Cauten	8081A	497
Toxaphene	ND	ng/kg	0.1665	0.1665	1	5/21/00	7:30	N. Cauten	8081A	497
α-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
γ-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	7:30	N. Cauten	8081A	497
Aroclor 1016	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589
Aroclor 1221	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589
Aroclor 1232	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589
Aroclor 1242	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589
Aroclor 1248	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589
Aroclor 1254	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589
Aroclor 1260	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:33	R. Hunt	8082	589

ND = Not detected at the report limit.

Sample report continued . . .



**SPECIALIZED
ASSAYS, INC.**

2960 Foster Creighton Dr.
P.O. Box 40588
Nashville, TN 37204-0588
Phone 1-615-728-0177

ANALYTICAL REPORT

Laboratory Number: 00-A69777
Sample ID: AB 68913

Page 2

Sample Extraction Data

Parameter	Nt/Vol		Date	Analyst	Method
	Extracted	Extract Vol			
BC Pest	30.6 gr	10.0 ml	5/20/00	B. Yeager	3530
PCB's	30.1 gr	10.0 ml	5/20/00	B. Yeager	3530

Surrogate	% Recovery	Target Range
pest surr-TCMX	80.	10. - 130.
pcb surr-TCMX	88.	10. - 130.
pest surr-OCB	86.	15. - 130.
pcb surr-OCB	76.	15. - 130.

All results reported on a wet weight basis.

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By: *Michael H. Dunn*

Report Date: 5/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

End of Sample Report.



SPECIALIZED ASSAYS, INC.

2980 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PRISM LABORATORIES 5625
ANGELA OVERCASH
P. O. BOX 240543
CHARLOTTE, NC 28224

Lab Number: 00-A69778
Sample ID: AS 68914
Sample Type: Soil
Site ID:

Project:
Project Name: AD 522F4
Sampler:

Date Collected: 5/18/00
Time Collected: 10:02
Date Received: 5/20/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	DIL Factor	Date	Time	Analyst	Method	Batch
PESTICIDE/PCB'S/HERBICIDES										
Aldrin	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
α-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
β-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
δ-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
γ-BHC, Lindane	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
4,4'-DDE	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
4,4'-DDE	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
4,4'-DDT	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Dieldrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Endosulfan I	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
Endosulfan II	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Endosulfan sulfate	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Endrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Endrin aldehyde	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Endrin Ketone	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:00	N. Cauthe	8081A	497
Heptachlor	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
Heptachlor epoxide	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
Methoxychlor	ND	ng/kg	0.01665	0.01665	1	5/21/00	8:00	N. Cauthe	8081A	497
Toxaphene	ND	ng/kg	0.1665	0.1665	1	5/21/00	8:00	N. Cauthe	8081A	497
α-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
γ-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:00	N. Cauthe	8081A	497
Aroclor 1016	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589
Aroclor 1221	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589
Aroclor 1232	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589
Aroclor 1242	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589
Aroclor 1248	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589
Aroclor 1254	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589
Aroclor 1260	ND	ng/kg	0.0200	0.0200	1	5/22/00	17:55	R. Hunt	8082	589

ND = Not detected at the report limit.



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40568
Nashville, TN 37204-0568
Phone 1-615-728-0177

ANALYTICAL REPORT

Laboratory Number: 00-AA9778
Sample ID: AB 68914

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Analyst	Method
	Extracted	Extract Vol			
OC Pest	29.6 gm	18.0 ml	5/20/00	P. Yeager	3530
PCB's	29.3 gm	18.0 ml	5/20/00	P. Yeager	3530

Surrogate	% Recovery	Target Range
pest surr-TCDF	74.	10. - 138.
pcb surr-TCDF	86.	10. - 138.
pest surr-DCE	72.	15. - 138.
pcb surr-PCB	72.	15. - 138.

All results reported on a wet weight basis.

These results relate only to the items tested.
This report shall not be reproduced except in full and with
permission of the laboratory.

Report Approved By:

Report Date: 5/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Norton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

of Sample Report.

COPY 1



SPECIALIZED ASSAYS, INC.

2980 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PRISM LABORATORIES 5625
ANGELA OVERCASH
P. O. BOX 240543
CHARLOTTE, NC 28224

Lab Number: 00-A69779
Sample ID: AB 68915
Sample Type: Soil
Site ID:

Project:
Project Name: AD 522F4
Sampler:

Date Collected: 5/18/00
Time Collected: 10:40
Date Received: 5/20/00
Time Received: 9:00

Analyte	Result	Units	Report Limit	Pass Limit	Dil Factor	Date	Time	Analyst	Method	Batch
PESTICIDE/PCB'S/HERBICIDES										
Aldrin	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
γ-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
δ-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
ε-BHC	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
γ-BHC, Lindane	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
4,4'-DDE	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
4,4'-DDD	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
4,4'-DDT	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Dieldrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Endosulfan I	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
Endosulfan II	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Endosulfan sulfate	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Endrin	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Endrin aldehyde	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Endrin Ketone	ND	ng/kg	0.00333	0.00333	1	5/21/00	8:29	N. Cauthe	8081A	497
Heptachlor	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
Heptachlor epoxide	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
Methoxychlor	ND	ng/kg	0.01665	0.01665	1	5/21/00	8:29	N. Cauthe	8081A	497
Toxaphene	ND	ng/kg	0.1665	0.1665	1	5/21/00	8:29	N. Cauthe	8081A	497
alpha-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
gamma-Chlordane	ND	ng/kg	0.00166	0.00166	1	5/21/00	8:29	N. Cauthe	8081A	497
Aroclor 1016	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589
Aroclor 1221	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589
Aroclor 1232	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589
Aroclor 1242	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589
Aroclor 1248	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589
Aroclor 1254	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589
Aroclor 1260	ND	ng/kg	0.0200	0.0200	1	5/22/00	18:18	R. Hunt	8082	589

ND = Not detected at the report limit.

Sample report continued . . .



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40586
Nashville, TN 37204-0586
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 00-A69779
Sample ID: AB 68913

Page 2

Sample Extraction Data

Parameter	Wt/Vol		Date	Analyst	Method
	Extracted	Extract Vol			
GC Pest	30.0 gm	18.0 ml	3/20/00	B. Yeager	3330
PCB's	29.8 gm	18.8 ml	3/20/00	B. Yeager	3330

Surragate	% Recovery	Target Range
pest surr-TCMX	114.	10. - 138.
pcb surr-TCMX	99.	10. - 138.
pest surr-MQ	108.	15. - 190.
pcb surr-PCB	88.	15. - 190.

All results reported on a wet weight basis.

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Report Date: 3/22/00

Theodore J. Duello, Ph.D., Technical Serv.
Michael H. Duan, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Gail A. Lage, Technical Serv.

Paul E. Lane, Jr., Lab Director
Glenn L. Morton, Technical Serv.
Kelly S. Ruppel, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: 387

of Sample Report.

COPY 1



SPECIALIZED ASSAYS, INC.

2980 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Drig. Val.	MS Val	Spike Conc	Recovery	Target Range	R.C. Batch	Sample Spiked
Aldrin	ng/kg	< 0.00166	0.01399	0.01667	84	35. - 134.	497	00-069776
g-BHC, Lindane	ng/kg	< 0.00166	0.01166	0.01667	70	33. - 136.	497	00-069776
4,4'-DDT	ng/kg	< 0.00333	0.01166	0.01667	70	35. - 168.	497	00-069776
Dieldrin	ng/kg	< 0.00333	0.01199	0.01667	72	28. - 149.	497	00-069776
Endrin	ng/kg	< 0.00333	0.01199	0.01667	72	35. - 164.	497	00-069776
Heptachlor	ng/kg	< 0.00166	0.01066	0.01667	64	42. - 136.	497	00-069776
Roachlor 1260	ng/kg	< 0.0200	0.1635	0.1667	98	17. - 145.	389	00-069776

Matrix Spike Duplicate

Analyte	units	Drig. Val.	Duplicate	RPD	Limit	R.C. Batch
Aldrin	ng/kg	0.01399	0.01399	0.00	62.	497
g-BHC, Lindane	ng/kg	0.01166	0.01265	8.14	63.	497
4,4'-DDT	ng/kg	0.01166	0.01265	8.14	66.	497
Dieldrin	ng/kg	0.01199	0.01332	10.51	55.	497
Endrin	ng/kg	0.01199	0.01399	15.40	46.	497
Heptachlor	ng/kg	0.01066	0.01099	3.05	61.	497
Roachlor 1260	ng/kg	0.1635	0.1489	9.35	46.	389

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val.	% Recovery	Target Range	R.C. Batch
Aldrin	ng/kg	0.01667	0.01399	84	35 - 123	497
a-BHC	ng/kg	0.01667	0.01399	84	38 - 120	497
b-BHC	ng/kg	0.01667	0.01432	86	66 - 125	497
c-BHC	ng/kg	0.01667	0.01265	76	35 - 117	497
g-BHC, Lindane	ng/kg	0.01667	0.01399	84	38 - 120	497
4,4'-DDD	ng/kg	0.01667	0.01432	86	56 - 131	497
4,4'-DDE	ng/kg	0.01667	0.01632	98	57 - 128	497
4,4'-DDT	ng/kg	0.01667	0.01365	82	35 - 123	497
Dieldrin	ng/kg	0.01667	0.01332	80	60 - 128	497
Endosulfan I	ng/kg	0.01667	0.01199	72	35 - 133	497
Endosulfan II	ng/kg	0.01667	0.01332	80	38 - 131	497
Endosulfan sulfate	ng/kg	0.01667	0.01332	80	60 - 124	497
Endrin	ng/kg	0.01667	0.01432	86	66 - 144	497
Endrin aldehyde	ng/kg	0.01667	0.01299	78	65 - 128	497
Endrin Ketone	ng/kg	0.01667	0.01332	80	53 - 129	497
Heptachlor	ng/kg	0.01667	0.01399	84	60 - 124	497
Heptachlor epoxide	ng/kg	0.01667	0.01365	82	49 - 143	497
Heptachlor	ng/kg	0.01667	0.01332	72	39 - 156	497
alpha-Chlordane	ng/kg	0.01667	0.01365	82	57 - 129	497
gamma-Chlordane	ng/kg	0.01667	0.01332	80	60 - 140	497

Project QC continued . . .



SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	R.C. Batch
Aroclor 1016	ng/kg	0.1667	0.0737	44 %	60 - 140	387
Aroclor 1221	ng/kg	0.0000	< 0.0200	N/A	60 - 140	387
Aroclor 1232	ng/kg	0.0000	< 0.0200	N/A	60 - 140	387
Aroclor 1242	ng/kg	0.0000	< 0.0200	N/A	60 - 140	387
Aroclor 1260	ng/kg	0.1667	0.1758	105	60 - 140	387

Blank Data

Analyte	Blank Value	Units	R.C. Batch
Aldrin	< 0.00166	ng/kg	497
γ-BHC	< 0.00166	ng/kg	497
β-BHC	< 0.00166	ng/kg	497
δ-BHC	< 0.00166	ng/kg	497
γ-BHC, Lindane	< 0.00166	ng/kg	497
4,4'-DDE	< 0.00333	ng/kg	497
4,4'-DDD	< 0.00333	ng/kg	497
4,4'-DDT	< 0.00333	ng/kg	497
Dieldrin	< 0.00333	ng/kg	497
Endosulfan I	< 0.00166	ng/kg	497
Endosulfan II	< 0.00333	ng/kg	497
Endosulfan sulfate	< 0.00333	ng/kg	497
Endrin	< 0.00333	ng/kg	497
Endrin aldehyde	< 0.00333	ng/kg	497
Endrin ketone	< 0.00333	ng/kg	497
Heptachlor	< 0.00166	ng/kg	497
Heptachlor epoxide	< 0.00166	ng/kg	497
Methoxychlor	< 0.01667	ng/kg	497
Toxaphene	< 0.1667	ng/kg	497
alpha-Chlordane	< 0.00166	ng/kg	497
gamma-Chlordane	< 0.00166	ng/kg	497
Aroclor 1016	< 0.0200	ng/kg	387
Aroclor 1221	< 0.0200	ng/kg	387
Aroclor 1232	< 0.0200	ng/kg	387
Aroclor 1242	< 0.0200	ng/kg	387
Aroclor 1248	< 0.0200	ng/kg	387
Aroclor 1254	< 0.0200	ng/kg	387
Aroclor 1260	< 0.0200	ng/kg	387

End of Report for Project 192750



Full Service Analytical & Environmental Solutions

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE #

449 Springbrook Road ▲ Charlotte, NC 28217
 P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Fax: 704/525-0409

PRESS DOWN FIRMLY - 3 COPIES

Client J. A. Jones Environmental
 Physical Address 6135 Park South Dr, Ste 210
Charlotte, NC 28210
 Phone 704-555-3379 Fax 704-555-3329
 P.O.#/Billing Reference _____
 Project Name DOCKAC - DO 44 - AS146

REPORT TO: Name James Tan
 Address SAME
 BILL TO: Name J. A. Jones Environ.
 Address SAME
 Requested Due Date 24 hr. turnaround

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>2.8</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OOUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State Certification
 Requested NC _____ SC _____ Other _____ NA _____
 Water Chlorinated Yes _____ No _____ NA _____
 Sample Iced Upon Collection Yes _____ No _____

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.	
				*TYPE SEE BELOW	NO.	SIZE		3070	1010	3011	1010	2020	1010				1010
AS-146-1	5/18/00	0843	S		2	4 oz	None	/	/	/	/	/	/	/			6810
AS-146-2	"	0930	S		2	"	"	/	/	/	/	/	/	/	24 hr turnaround		6813
AS-146-3	"	1002	"		"	"	"	/	/	/	/	/	/	/			6814
AS-146-4	"	1040	"		"	"	"	/	/	/	/	/	/	/			6815

Sampler's Signature [Signature] Sampled By (Print Name) James Tan Affiliation _____

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) _____	Date _____	Military/Hours _____	Additional Comments
Relinquished By: (Signature) _____	Received By: (Signature) _____	Date _____	_____	
Relinquished By: (Signature) _____	Received For Prism Laboratories By: <u>Cher Christ</u>	Date <u>5-17-00</u>	1020	
Method of Shipment _____	Log-In Group No. <u>10521P4</u>	_____	_____	

NPDES NC _____ UST: NC _____ GROUNDWATER: NC _____ DRINKING WATER: NC _____ SOLID WASTE: NC _____ OTHER: NC _____
 SC _____ SC _____ SC _____ SC _____ SC _____ SC _____
 OTHER _____ OTHER _____ OTHER _____ OTHER _____

Lab Report

6/6/00

Page 1 of 10

JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 STOCKPIL
Prism Sample ID: AB69730
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:10
Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD 3050	Completed			3050	5/31/00 09:45	PRF
PREP. METHOD 3550	Completed			3550	5/30/00 08:00	JDP
PREP. METHOD 3550	Completed			3550	5/31/00 10:30	JMV
LEAD, TOTAL	3.3	mg/kg	1.0	6010	5/31/00 21:02	MSP
CHROMIUM, TOTAL	3.3	mg/kg	1.0	6010	5/31/00 21:02	MSP
TPH - DIESEL RANGE	28	mg/kg	10	8015MOD/3550	5/31/00 18:38	ESR
TPH-GASOLINE RANGE	110	mg/kg	100	8015MOD/5030	5/30/00 18:02	KV
CALCULATIONS BASED ON DRY WT.	86	% DRY WT.	0.01	SM 2540 G	5/30/00 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	5/31/00 10:30	JMV
ALDRIN	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
A-BHC	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
B-BHC	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
D-BHC	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
G-BHC, LINDANE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
CHLORDANE	Not detected	mg/kg	0.020	SW846-8081	6/1/00 09:38	CWA
4,4'-DDD	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
4,4'-DDE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
4,4'-DDT	0.0068	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
DIELDRIN	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
ENDOSULFAN I	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
ENDOSULFAN II	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
ENDOSULFAN SULFATE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
ENDRIN	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
ENDRIN ALDEHYDE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
HEPTACHLOR	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
HEPTACHLOR EPOXIDE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 09:38	CWA
4,4'-METHOXYCHLOR	Not detected	mg/kg	0.004	SW846-8081	6/1/00 09:38	CWA
TOXAPHENE	Not detected	mg/kg	0.200	SW846-8081	6/1/00 09:38	CWA

PCB-1016	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

6/6/00

Page 2 of 10

JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: **AS146**
Customer Sample ID: **AS146 STOCKPIL**
Prism Sample ID: **AB69730**
Login Group: **AO62F3**
Sample Collection Date/Time: **5/25/00 15:10**
Lab Submittal Date/Time: **5/26/00 10:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
PCB-1221	Not detected	mg/kg	0.10	SW846-8082	6/1/00 09:38	CWA
PCB-1232	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA
PCB-1242	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA
PCB-1248	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA
PCB-1254	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA
PCB-1260	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA
PCB-1262	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA
PCB-1268	Not detected	mg/kg	0.05	SW846-8082	6/1/00 09:38	CWA

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report

6/6/00

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 MID
Prism Sample ID: AB69731
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:20
Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION METHOD 3050	Completed			3050	5/31/00 09:45	PRF
PREP. METHOD 3550	Completed			3550	5/30/00 08:00	JDP
PREP. METHOD 3550	Completed			3550	5/31/00 10:30	JMV
LEAD, TOTAL	3.4	mg/kg	1.0	6010	5/31/00 21:07	MSP
CHROMIUM, TOTAL	2.6	mg/kg	1.0	6010	5/31/00 21:07	MSP
TPH - DIESEL RANGE	170	mg/kg	10	8015MOD/3550	5/31/00 19:14	ESR
TPH-GASOLINE RANGE	200	mg/kg	100	8015MOD/5030	5/30/00 18:37	KV
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	5/30/00 10:00	JMV
PREP. METHOD 3550	Completed			SW846-3550	5/31/00 10:30	JMV
ALDRIN	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
A-BHC	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
B-BHC	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
D-BHC	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
G-BHC, LINDANE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
CHLORDANE	Not detected	mg/kg	0.020	SW846-8081	6/1/00 10:22	CWA
4,4'-DDD	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
4,4'-DDE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
4,4'-DDT	0.0057	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
DIELDRIN	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
ENDOSULFAN I	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
ENDOSULFAN II	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
ENDOSULFAN SULFATE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
ENDRIN	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
ENDRIN ALDEHYDE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
HEPTACHLOR	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
HEPTACHLOR EPOXIDE	Not detected	mg/kg	0.002	SW846-8081	6/1/00 10:22	CWA
4,4'-METHOXYCHLOR	Not detected	mg/kg	0.004	SW846-8081	6/1/00 10:22	CWA
TOXAPHENE	Not detected	mg/kg	0.200	SW846-8081	6/1/00 10:22	CWA

PCB-1016	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

6/6/00

Page 4 of 10

JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 MID
Prism Sample ID: AB69731
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:20
Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
PCB-1221	Not detected	mg/kg	0.10	SW846-8082	6/1/00 10:22	CWA
PCB-1232	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA
PCB-1242	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA
PCB-1248	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA
PCB-1254	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA
PCB-1260	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA
PCB-1262	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA
PCB-1268	Not detected	mg/kg	0.05	SW846-8082	6/1/00 10:22	CWA

Sample Comments:



Angela D. Overcash, V.P. Laboratory Services

Lab Report

6/6/00

Page 5 of 10

JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: **AS146**
Customer Sample ID: **AS146 WATER**
Prism Sample ID: **AB69732**
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:30
Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
METALS DIGESTION/3030C	Completed			3030C	5/26/00 11:00	PRF
LEAD, TOTAL IN GROUNDWATER	0.018	mg/L	0.015	6010	5/30/00 23:41	MSP
CHROMIUM, TOTAL IN GROUNDWATER	0.34	mg/L	0.05	6010	5/30/00 23:41	MSP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
CHLOROMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
VINYL CHLORIDE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
BROMOMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
CHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
TRICHLOROFLUOROMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1-DICHLOROETHENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
METHYLENE CHLORIDE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
trans-1,2-DICHLOROETHENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1-DICHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
2,2-DICHLOROPROPANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
cis-1,2-DICHLOROETHENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
CHLOROFORM	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
BROMOCHLOROMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1,1-TRICHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1-DICHLOROPROPENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
CARBON TETRACHLORIDE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
BENZENE	1.5	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2-DICHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
TRICHLOROETHENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2-DICHLOROPROPANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
BROMODICHLOROMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
DIBROMOMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
TOLUENE	8.0	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1,2-TRICHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
TETRACHLOROETHENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,3-DICHLOROPROPANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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JA Jones Management Services
 Mr. James Tan
 6135 Park South Dr, Ste 250
 Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 WATER
Prism Sample ID: AB69732
 Login Group: AO62F3
 Sample Collection Date/Time: 5/25/00 15:30
 Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DIBROMOCHLOROMETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2-DIBROMOETHANE (EDB)	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
CHLOROBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
ETHYLBENZENE	7.8	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
TOTAL XYLENES	29	ug/L	0.5	6230D	5/30/00 18:03	CMB
STYRENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
ISOPROPYLBENZENE	3.4	ug/L	0.5	6230D	5/30/00 18:03	CMB
BROMOFORM	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
n-PROPYLBENZENE	8.7	ug/L	0.5	6230D	5/30/00 18:03	CMB
BROMOBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,3,5-TRIMETHYLBENZENE	14	ug/L	0.5	6230D	5/30/00 18:03	CMB
2-CHLOROTOLUENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
4-CHLOROTOLUENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
tert-BUTYLBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2,4-TRIMETHYLBENZENE	47	ug/L	0.5	6230D	5/30/00 18:03	CMB
sec-BUTYLBENZENE	8.2	ug/L	0.5	6230D	5/30/00 18:03	CMB
p-ISOPROPYLTOLUENE	5.8	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,3-DICHLOROBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,4-DICHLOROBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
n-BUTYLBENZENE	46	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2-DICHLOROBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
HEXACHLOROBUTADIENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
NAPHTHALENE	56	ug/L	0.5	6230D	5/30/00 18:03	CMB
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
CIS-1,3-DICHLOROPROPENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

6/6/00

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: **AS146**
Customer Sample ID: **AS146 WATER**
Prism Sample ID: **AB69732**
Login Group: **AO62F3**
Sample Collection Date/Time: **5/25/00 15:30**
Lab Submittal Date/Time: **5/26/00 10:00**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TRANS-1,3-DICHLOROPROPENE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
MTBE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB
IPE	Not detected	ug/L	0.5	6230D	5/30/00 18:03	CMB

PREP. METHOD 625	Completed			625	5/30/00 13:00	GRR
ACENAPHTHENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
ACENAPHTHYLENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
ANTHRACENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BENZO(A)ANTHRACENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BENZO(B)FLUORANTHENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BENZO(K)FLUORANTHENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BENZO(A)PYRENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BENZO(GHI)PERYLENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BIS(2-CHLOROETHOXY)METHANE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BIS(2-CHLOROETHYL)ETHER	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
4-BROMOPHENYL PHENYL ETHER	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BUTYL BENZYL PHTHALATE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
4-CHLORO-3-METHYLPHENOL	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2-CHLORONAPHTHALENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2-CHLOROPHENOL	Not detected	ug/L	10	625	5/31/00 21:19	HWC
4-CHLOROPHENYL PHENYL ETHER	Not detected	ug/L	10	625	5/31/00 21:19	HWC
CHRYSENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
DIBENZO(A,H)ANTHRACENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
DI-N-BUTYLPHTHALATE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
1,2-DICHLOROBENZENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
1,3-DICHLOROBENZENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
1,4-DICHLOROBENZENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2,4-DICHLOROPHENOL	Not detected	ug/L	10	625	5/31/00 21:19	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

6/6/00

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 WATER
Prism Sample ID: AB69732
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:30
Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
DIETHYL PHTHALATE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2,4-DIMETHYLPHENOL	17	ug/L	10	625	5/31/00 21:19	HWC
DIMETHYL PHTHALATE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2,4-DINITROPHENOL	Not detected	ug/L	50	625	5/31/00 21:19	HWC
2,4-DINITROTOLUENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2,6-DINITROTOLUENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
DI-N-OCTYLPHTHALATE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
FLUORANTHENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
FLUORENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
HEXACHLOROENZENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
HEXACHLOROBUTADIENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
HEXACHLOROCYCLOPENTADIENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
HEXACHLOROETHANE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
INDENO(1,2,3-CD)PYRENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
ISOPHORONE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2-METHYL-4,6-DINITROPHENOL	Not detected	ug/L	50	625	5/31/00 21:19	HWC
NAPHTHALENE	30	ug/L	10	625	5/31/00 21:19	HWC
NITROBENZENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2-NITROPHENOL	Not detected	ug/L	10	625	5/31/00 21:19	HWC
4-NITROPHENOL	Not detected	ug/L	50	625	5/31/00 21:19	HWC
N-NITROSODIPHENYLAMINE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
N-NITROSODI-N-PROPYLAMINE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
PENTACHLOROPHENOL	Not detected	ug/L	50	625	5/31/00 21:19	HWC
PHENANTHRENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
PHENOL	21	ug/L	10	625	5/31/00 21:19	HWC
PYRENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
1,2,4-TRICHLOROENZENE	Not detected	ug/L	10	625	5/31/00 21:19	HWC
2,4,6-TRICHLOROPHENOL	Not detected	ug/L	10	625	5/31/00 21:19	HWC
BENZIDINE	Not detected	ug/L	100	625	5/31/00 21:19	HWC
1,2-DIPHENYLHYDRAZINE	Not detected	ug/L	100	625	5/31/00 21:19	HWC

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 WATER
Prism Sample ID: AB69732
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:30
Lab Submittal Date/Time: 5/26/00 10:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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TICs BY SEMIVOLATILE GC/MS 625/8270 5/31/00 21:19 HWC
625/8270 Tentatively Identified Compounds (10-largest TICs):

<Identification Class>	<Closest Spectral Fit>	<Est. Conc.>
Unknown aliphatic hydrocarbon	(Unknown)	57 ug/L
Unknown aliphatic hydrocarbon	(Dodecane)	44 ug/L
Unknown aliphatic hydrocarbon	(Unknown)	37 ug/L
Unknown aliphatic hydrocarbon	(Unknown)	67 ug/L
Unknown aliphatic hydrocarbon	(Pentadecane)	35 ug/L
Unknown aromatic hydrocarbon	(Methylnaphthalene)	62 ug/L
Unknown aromatic hydrocarbon	(Methylnaphthalene)	51 ug/L
Unknown aromatic hydrocarbon	(Dimethylnaphthalene)	40 ug/L
Unknown	(Unknown)	350 ug/L
Unknown	(Unknown)	60 ug/L

C5-C8 Aliphatics	420	ug/L	300	MADEP VPH	5/31/00 08:53	KV
C9-C12 Aliphatics	330	ug/L	200	MADEP VPH	5/31/00 08:53	KV
C9-C10 Aromatics	560	ug/L	100	MADEP VPH	5/31/00 08:53	KV
Surrogate % Recovery - PID	89	%	(70-130)	MADEP VPH	5/31/00 08:53	KV
Surrogate % Recovery - FID	92	%	(70-130)	MADEP VPH	5/31/00 08:53	KV
Dilution Factor	2	ug/L		MADEP VPH	5/31/00 08:53	KV

EXTRACTION FOR EPH	Completed			MADEP-EPH	5/29/00 10:00	GRR
C9-C18 ALIPHATICS	Not detected	ug/L	500	MADEP-EPH	6/1/00 16:00	ESR
C19-C36 ALIPHATICS	Not detected	ug/L	400	MADEP-EPH	6/1/00 16:00	ESR
C11-C22 AROMATICS	Not detected	ug/L	800	MADEP-EPH	6/1/00 16:00	ESR
SURROGATE RECOVERY - ALIPHATIC	106	%	(40-140)	MADEP-EPH	6/1/00 16:00	ESR
SURROGATE RECOVERY - AROMATIC	117	%	(40-140)	MADEP-EPH	6/1/00 16:00	ESR
SURR:2-BROMONAPHTHALENE	116	%	(40-140)	MADEP-EPH	6/1/00 16:00	ESR
SURR:2-FLUOROBIPHENYL	111	%	(40-140)	MADEP-EPH	6/1/00 16:00	ESR
DILUTION FACTOR	1	ug/L		MADEP-EPH	6/1/00 16:00	ESR

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

Lab Report

6/6/00

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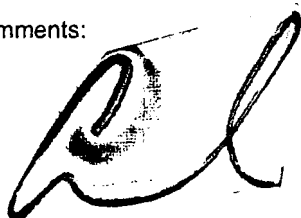
JA Jones Management Services
Mr. James Tan
6135 Park South Dr, Ste 250
Charlotte, NC 28210

Customer Project ID: AS146
Customer Sample ID: AS146 WATER
Prism Sample ID: AB69732
Login Group: AO62F3
Sample Collection Date/Time: 5/25/00 15:30
Lab Submittal Date/Time: 5/26/00 10:00

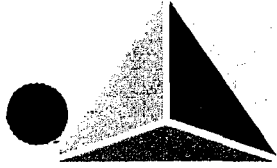
The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
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Sample Comments:



Angela D. Overcash, V.P. Laboratory Services



PRISM
LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

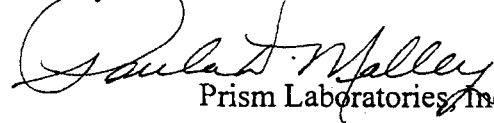
Main Office:
449 Springbrook Road
P.O. Box 240543
Charlotte, NC 28224-0543
Phone: 704/529-6364
1/800/529-6364
Fax: 704/525-0409

Company Name: J. A. Jones Management Services Date: 6/8/00

To: Mr. James Tan Lab Group ID: AO162F3

The State of North Carolina requires the enclosed VPH and EPH forms be submitted with our laboratory report. Before submitting these forms to the state, please insert the project name and/or site location.

Thank you.


Paula T. Malley
Prism Laboratories, Inc.

Cc: Lab File

T:\word\vphform\siteloca.doc

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name J.A. Jones Management Service Laboratory Name Prism Laboratories, Inc.
 Project Name AS146 NC Certification # (Lab) 402

Site Location _____

INCLUDE APPROPRIATE UNITS

Sample Information and Analytical Results

Sample Identification	AB69732				
Sample Matrix	Water				
Collection Option (for soil)*	N/A				
Date Collected	5/25/00				
Date Received	5/26/00				
Date Extracted	N/A				
Date Analyzed	5/31/00				
Dry Weight	N/A				
Dilution Factor	2				
C5 - C8 Aliphatics**	420 ug/L				
C9 - C12 Aliphatics**	330 ug/L				
C9 - C10 Aromatics**	560 ug/L				
Surrogate % Recovery - PID	89%				
Surrogate % Recovery - FID	92%				

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCore) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

AB69732	C5 - C8 Aliphatic	C9 - C12 Aliphatic	C9 - C10 Aromatic
Percent Recovery - Fortified Blank (Spike) - PID	NA	NA	123%
Relative Percent Difference - PID Duplicate	NA	NA	2.0%
Percent Recovery - Fortified Blank (Spike) - FID	117%	124%	NA
Relative Percent Difference - FID Duplicate	2.0%	5.0%	NA

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date 4/17/00

Calibration Ranges and Limits

Range	MDL	ML	RL
C5 -C8 Aliphatics	47 ug/L	150 ug/L	150 ug/L
C9 - C12 Aliphatics	28 ug/L	89 ug/L	100 ug/L
C9 -C10 Aromatics	10 ug/L	32 ug/L	50 ug/L

NOTE: Please include units as appropriate

Method of Quantitation (circle one): Curve or Average Response Factor
Calibration Concentration Levels

Range	Levels	%RSD of CCC
C5 - C8 Aliphatics	75 ug/L	15%
	187.5 ug/L	
	375 ug/L	
	750 ug/L	
	1125 ug/L	
C9 - C12 Aliphatics	55 ug/L	5.3%
	137.5 ug/L	
	275 ug/L	
	550 ug/L	
	825 ug/L	
C9 - C10 Aromatics	10 ug/L	17%
	25 ug/L	
	50 ug/L	
	100 ug/L	
	150 ug/L	

NOTE: Please indicate units as appropriate.

Calibration Check Date 5/30/00

Calibration Check

Range	Level	RPD
C5 -C8 Aliphatics	375 ug/L	4.0%
C9 - C12 Aliphatics	275 ug/L	2.0%
C9 -C10 Aromatics	50 ug/L	5.0%

MDL = Method Detection Limit

ML = Mimimum Limit

RL = Reportable Limit

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name J.A. Jones Management Service Laboratory Name Prism Laboratories, Inc.
 Project AS146 NC Certification # (Lab) 402
 Site Location _____

Sample Information and Analytical Results								
Sample Identification	AB69732							
Sample Matrix	Water							
Date Collected	5/25/00							
Date Received	5/26/00							
Date Extracted	5/29/00							
Date Analyzed	6/1/00							
Dry Weight	N/A							
Dilution Factor	1							
C9 - C18 Aliphatics*	<500 ug/L							
C19 - C36 Aliphatics*	<400 ug/L							
C11 - C22 Aromatics*	<800 ug/L							
Surrogate % Recovery	106%							
Surrogate % Recovery	117%							
Fractionation Surrogate % Recovery	116%							
Fractionation Surrogate % Recovery	111%							

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

** The surrogate recovery was above the control limits. Matrix interference is suspected.

	C9 - C18 Aliphatic	C19 - C36 Aliphatic	C11 - C22 Aromatic
AB69732			
Percent Recovery-Fortified Blank (Spike)	90%	77%	47%
Relative Percent Difference - Sample Duplicates	3.0%	7.0%	37%

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date 5/20/00-5/31/00

Calibration Ranges and Limits

Range	MDL	ML	RL
C9 -C18 Aliphatics	130 ug/L	413 ug/L	500 ug/L
C19 - C36 Aliphatics	120 ug/L	382 ug/L	400 ug/L
C11 -C22 Aromatics	240 ug/L	763 ug/L	800 ug/L

NOTE: Please include units as appropriate

Method of Quantitation (circle one): Curve or Average Response Factor
Calibration Concentration Levels

Range	Levels	%RSD or CCC
C9 -C18 Aliphatics	60 mg/L	9.0%
	150 mg/L	
	300 mg/L	
	450 mg/L	
	600 mg/L	
C19 -C36 Aliphatics	80 mg/L	10%
	200 mg/L	
	400 mg/L	
	600 mg/L	
	800 mg/L	
C11 - C22 Aromatics	170 mg/L	10%
	425 mg/L	
	850 mg/L	
	1275 mg/L	
	1700 mg/L	

NOTE: Please indicate units as appropriate.

Calibration Check Date 6/1/00

Calibration Check

Range	Level	RPD
C9 -C18 Aliphatics	300 mg/L	4.0%
C19 - C36 Aliphatics	400 mg/L	3.0%
C11 -C22 Aromatics	850 mg/L	13%

MDL = Method Detection Limit
 ML = Minimum Limit
 RL = Reportable Limit

RPD = Relative Percent Difference
 %RSD = Percent Relative Standard Deviation
 CCC = Correlation Coefficient of Curve



Full Service Analytical & Environmental Solutions

CHAIN OF CUSTODY RECORD

PAGE _____ OF _____ QUOTE # _____

449 Springbrook Road ▲ Charlotte, NC 28217
 P.O. Box 240543 ▲ Charlotte, NC 28224-0543
 Phone: 704/529-6364 ▲ Fax: 704/525-0409

LAB USE ONLY		NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>1.5</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRESS DOWN FIRMLY - 3 COPIES

Client 3400 S. K. DR. BIRMGHAM
 Physical Address 6133 S. 17th St. Suite 100
Charlotte, NC 28224
 Phone 704 529 6300 Fax 704 525 3307
 P.O.#/Billing Reference D044
 Project Name ASPH

REPORT TO: Name T. BROWN
 Address Same
 Name T. BROWN
 Address Same
 Requested Due Date 5 DAY

State Certification Requested NC SC Other NA
 Water Chlorinated Yes No NA
 Sample Iced Upon Collection Yes No

(SEE REVERSE SIDE FOR RUSH TURNAROUND FEES)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSES REQUESTED						REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE		3500	5000	5000 (1)	10000 (1)	10000 (1)	10000 (1)			
Soil	1/10/00	1510	SOIL	CG	2	9oz		X	X	X	X					2473
Soil	1/10/00	1520	SOIL	CG	2	9oz		X	X	X	X					2474
Water	1/10/00	1530	Water	AP	2	L						X	X			2475
			Water	AP	2	L	HCL					X	X			
				LD	1	3	HCL					X	X			
				CG	6	4oz	HCL					X	X			

Sampler's Signature [Signature] Sampled By (Print Name) BRYAN BROWN Affiliation 3400 S. K. DR.

Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date	Military/Hours
Relinquished By: (Signature) <u>[Signature]</u>	Received By: (Signature) <u>[Signature]</u>	Date	
Relinquished By: (Signature) <u>[Signature]</u>	Received For Prism Laboratories By: <u>[Signature]</u>	Date	
Method of Shipment		Log-In Group No.	<u>ASPH</u>

Additional Comments

NC SC OTHER

GROUNDWATER: NC SC OTHER

DRINKING WATER: NC SC OTHER

SOLID WASTE: NC SC OTHER

OTHER: NC SC OTHER

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

APPENDIX H

Photographs of UST Closure Activities

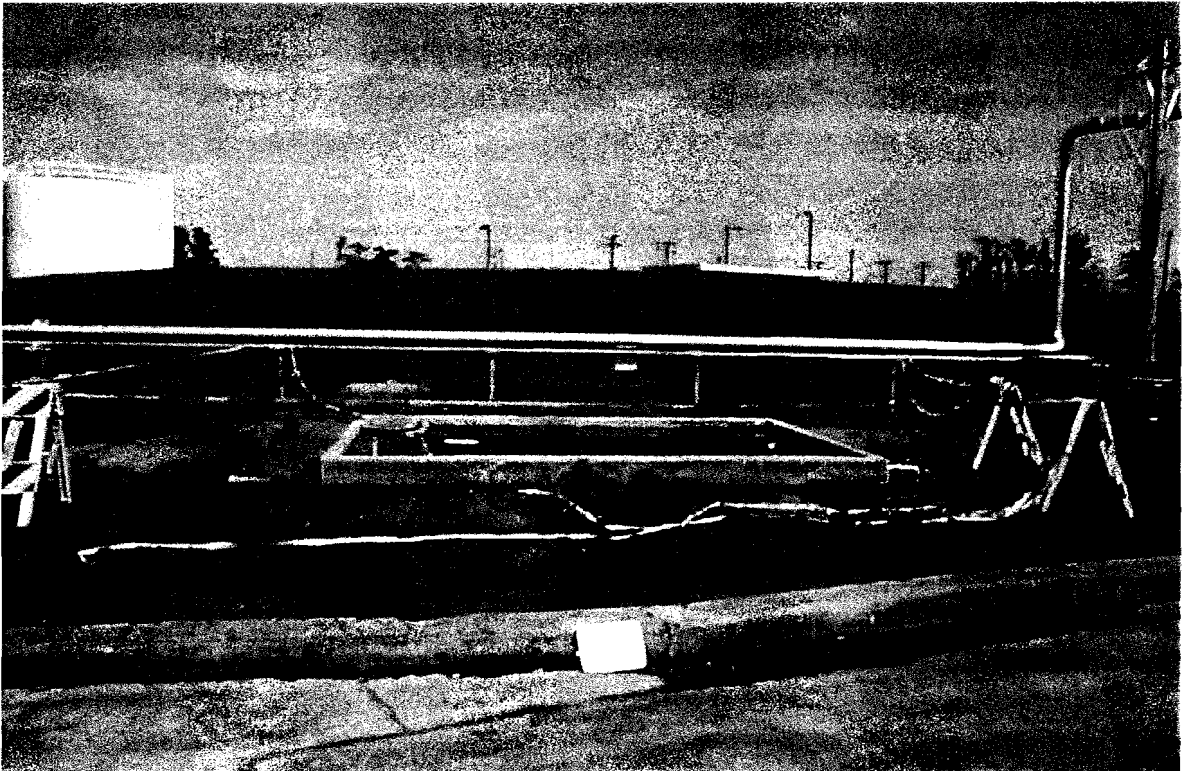


Photo 1 Pre-construction site view



Photo 2 Set-up for UST cleaning ---- Confined space entry

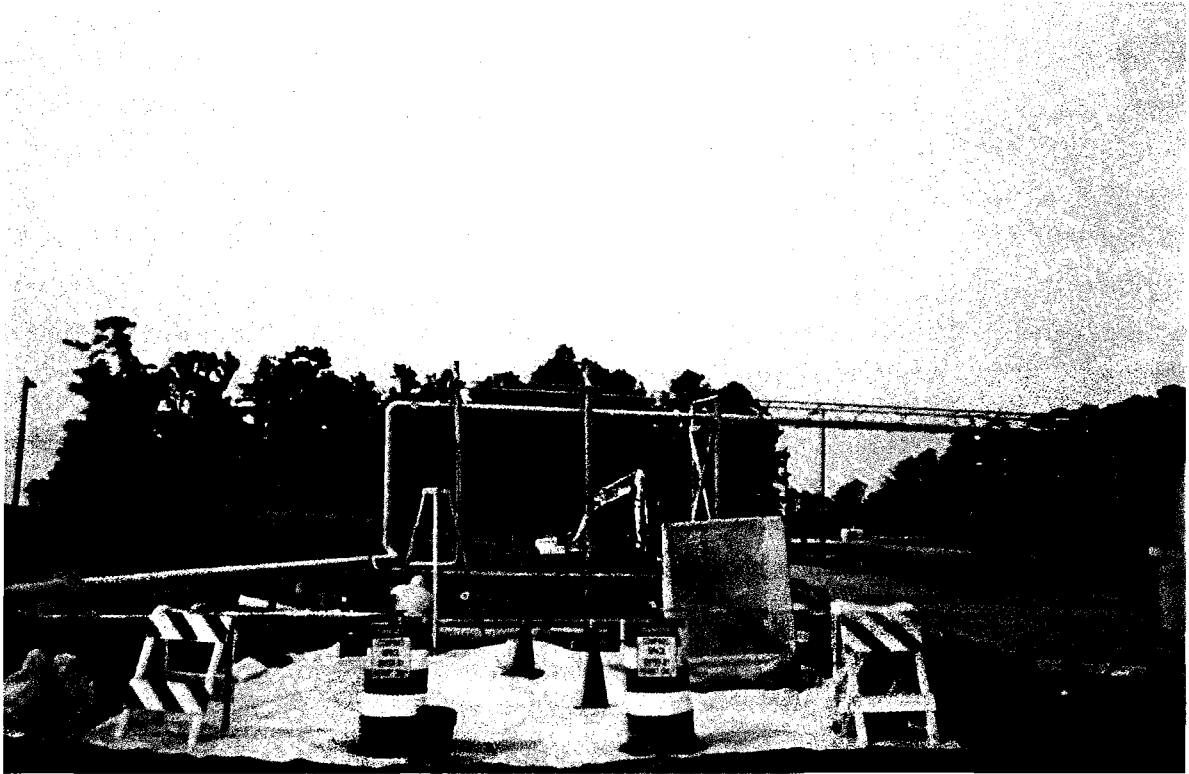


Photo 3 Set-up for UST cleaning and demolition

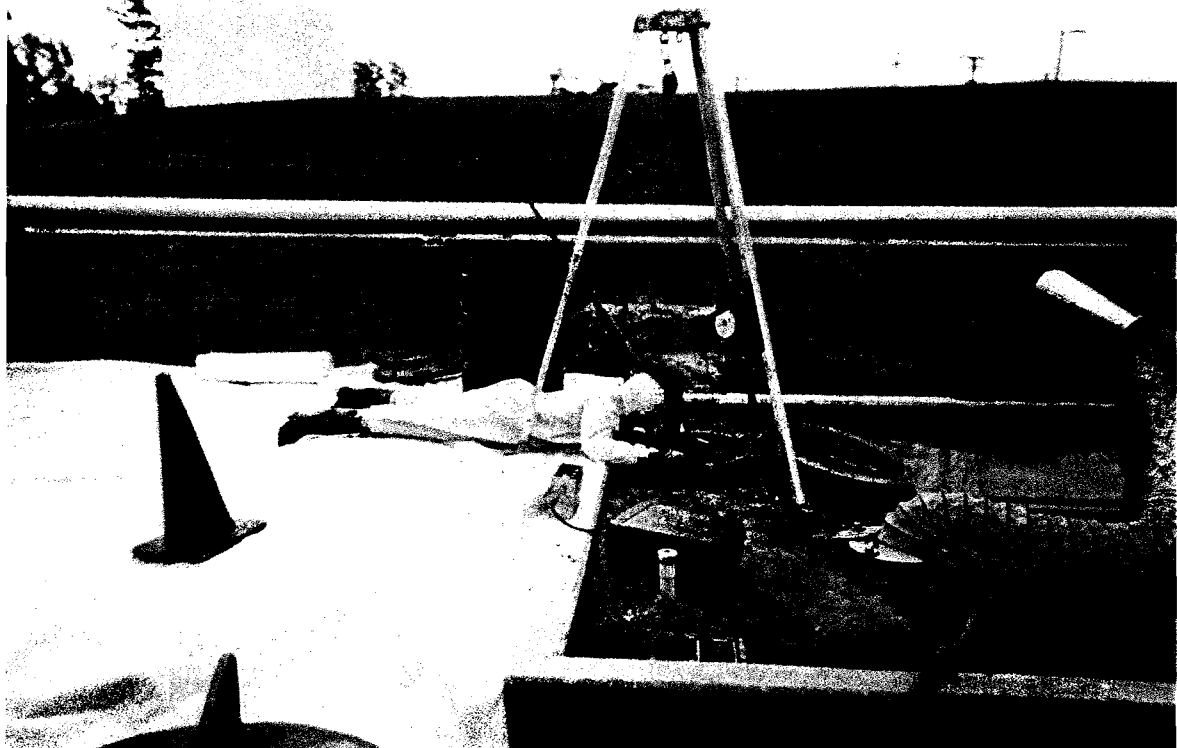


Photo 4 UST cleaning ---- Confined space entry

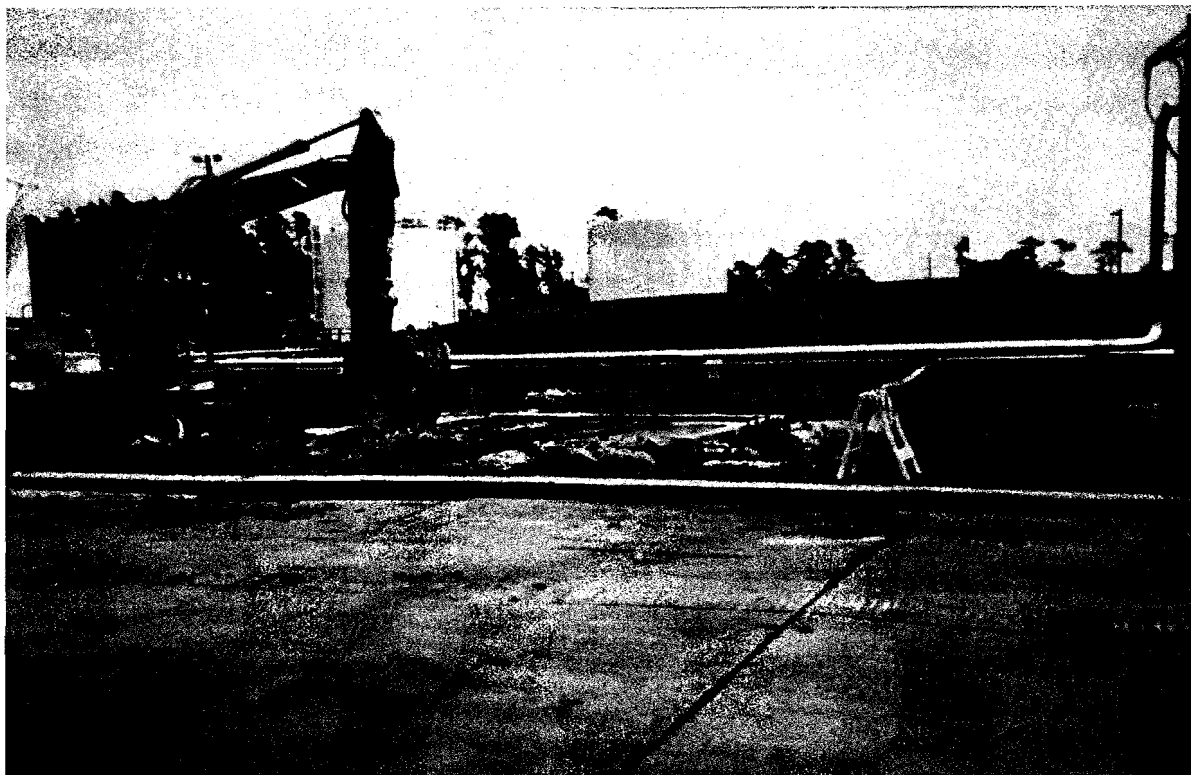


Photo 5 Concrete UST demolition



Photo 6 Concrete UST demolition

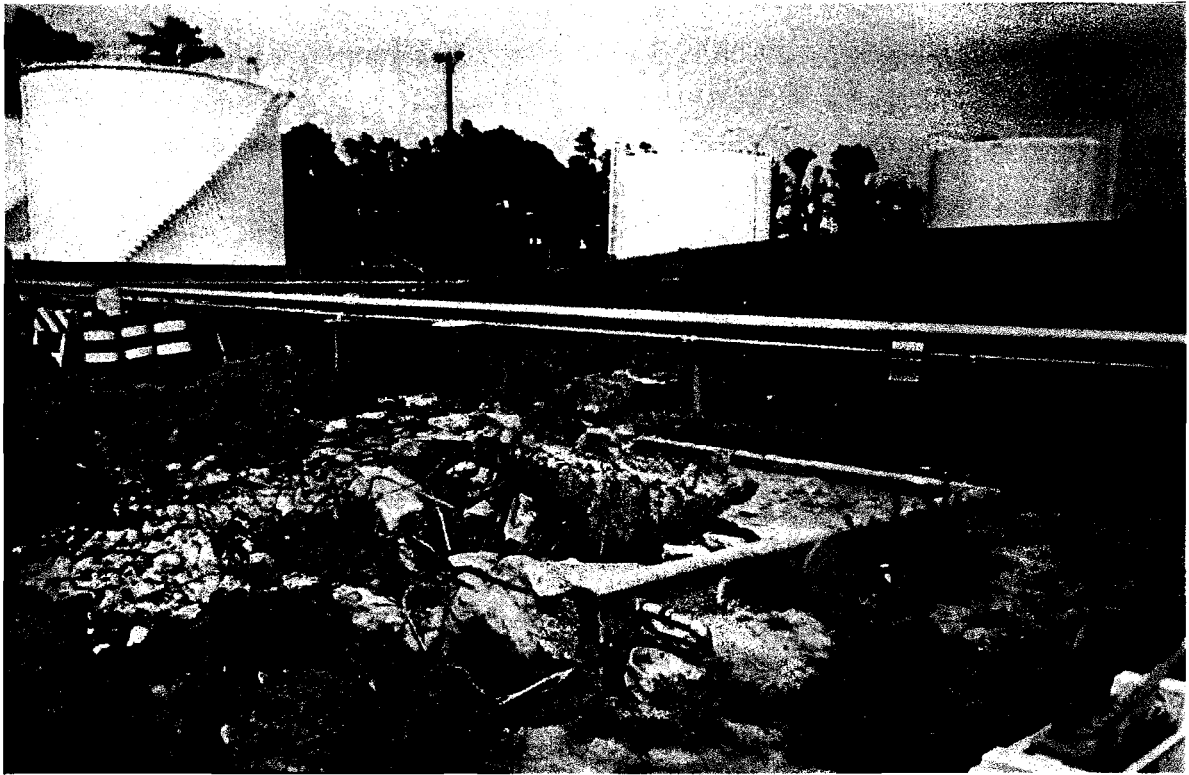


Photo 7 Concrete UST demolition



Photo 8 Concrete UST demolition ---- Note landslides occur around supports of a fuel pipe



Photo 9 Partially backfill and cutting concrete re-bar prior to sampling at UST bottom

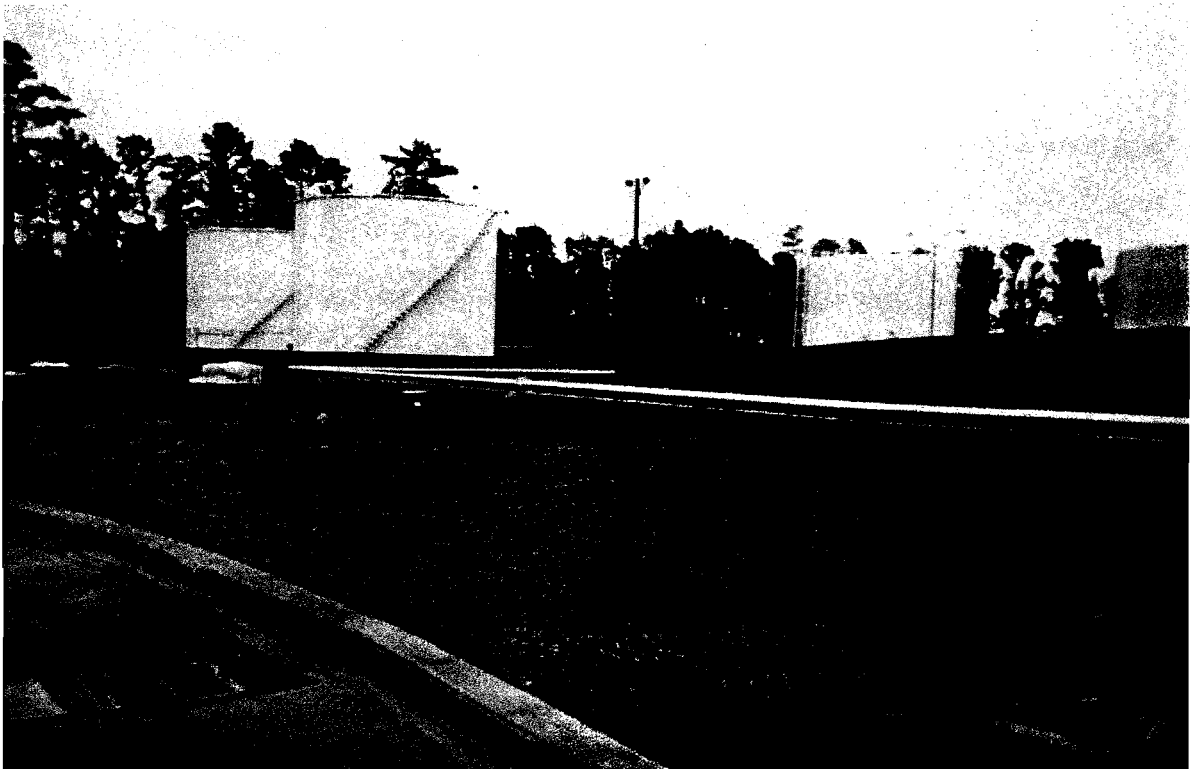


Photo 10 After construction site view