DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

April 17, 2002

BUREAU OF WASTE CLEANUP
APR 19 2002
TECHNICAL REVIEW SECTION

Programs and Project Management Division
Support for Others Branch

Ms. Julie Santiago
Remedial Project Manager
U.S. Environmental Protection Agency, Region IV
Waste Management Division
61 Forsyth Street, SW.
Atlanta, Georgia 30303-3104

Dear Ms. Santiago:

Enclosed please find one copy of the Limited Site Assessment Report for the Carlton Reserve Cattle Dipping Vat site in Venice, Sarasota County, Florida. The enclosed document is provided for your information and use.

If you require any further information or assistance regarding this project, please contact Mr. Stan A. Kinmonth, Project Manager, at the address above, telephone 904-232-1113, or e-mail at "stan.a.kinmonth@usace.army.mil".

Sincerely,

for Richard E. Bonner, P.E.
Deputy District Engineer
for Project Management

Enclosure

Copy Furnished (with enclosure):

Mr. Jay Koch, Florida Department of Environmental Protection, 2600 Blaire Stone Road, Tallahassee, FL 32399-2400

CATTLE DIPPING VAT LIMITED SITE ASSESSMENT SUPPORT
IN
CENTRAL, EASTERN, NORTHERN, AND WESTERN, FLORIDA COUNTIES

LIMITED SITE ASSESSMENT REPORT
for
THE CARLTON RESERVE CDV SITE
VENICE, SARASOTA COUNTY, FLORIDA

BUREAU OF WASTE CLEANUP
APR 19 2002
TECHNICAL REVIEW SECTION

Prepared for:

DEPARTMENT OF DEFENSE

U.S.ARMY CORPS OF ENGINEERS, JACKSONVILLE DISTRICT

Prepared by:

FOSTER WHEELER ENVIRONMENTAL CORPORATION
Stuart, Florida

Contract Number: DACA01-96-D-0021

Delivery Order No. CS03

APRIL 2002

SIGNATURE PAGE

The Limited Site Assessment described in this report was conducted and the document was prepared in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional geologist. This report is based on a limited scope investigation and review of limited data, as described herein, in accordance with generally accepted professional practices, applicable to work of similar nature and complexity of similar localities, at the time the services were performed. If conditions are determined to exist that differ from those described, the undersigned should be notified to evaluate the effects of any additional information on the report findings. This Limited Site Assessment was conducted at the Carlton Reserve Cattle Dipping Vat in Sarasota County, Florida, in accordance with United States Army Corps of Engineers, Jacksonville District directives, and the report should not be construed to apply to any other site.

BUREAU OF WASTE CLEANU
APR 19 2002
TECHNICAL REVIEW SECTION

Randall M. Keyser
Professional Geologist
Florida License No. 1795
Date 4/9/02

BUREAU OF WASTE CLEANUP

APR 19 2002

TECHNICAL REVIEW SECTION

TABLE OF CONTENTS

1.0 INTRODUCTION 1-1

1.1 REPORT ORGANIZATION 1-1
1.2 PROJECT ORGANIZATION 1-1
1.3 PURPOSE AND SCOPE 1-2
1.4 SITE DESCRIPTION AND HISTORY 1-2
1.5 CDV CHECKLIST AND PRE-CERCLIS SCREENING FORM 1-3

2.0 SITE CHARACTERISTICS 2-1

2.1 GEOLOGY/HYDROGEOLOGY 2-1
2.1.1 Regional Geology/Hydrogeology 2-1
2.1.2 Local Geology/Hydrogeology 2-1

3.0 FIELD INVESTIGATION RESULTS 3-1

3.1 SURFACE SOIL ASSESSMENT 3-1
3.1.1 Surface Soil Samples 3-1
3.1.2 QA /QC Laboratory Data Review for Surface Soil 3-4
3.1.3 Surface Soil Analytical Results 3-4
3.2 SHALLOW GROUND WATER AND VAT CONTENT ASSESSMENT 3-5
3.2.1 Ground Water Samples 3-5
3.2.2 Vat Content Sample 3-6
3.2.3 QA /QC Laboratory Data Review for Ground Water 3-7
3.2.4 Well Point, Existing Well, and Vat Content Analytical Results 3-8
3.3 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS 3-11

4.0 REFERENCES 4-1

BUREAU OF WASTE CLEANUP

APR 19 2002

TECHNICAL REVIEW SECTION

LIST OF FIGURES

Figure 1-1: Site Vicinity Map 1-4
Figure 1-2: Site Location Map 1-5
Figure 1-3: CDV Plan and Section Map 1-6
Figure 3-1: Analytical Results Map for Surface Soil 3-3
Figure 3-2: Analytical Results Map for Ground Water from Temporary Well Points 3-10

LIST OF TABLES

Table 3-1: List of Constituents of Interest 3-2
Table 3-2: Surface Soil Sample Analytical Summary of Detected Compounds - January 2002 3-5
Table 3-3: Temporary Well Points, Existing Well, and Vat Content Purging Field Data Summary January 2002... 3-7
Table 3-4: Ground Water Samples Analytical Summary of Detected Compounds - January 2002 3-8

LIST OF APPENDICES

APPENDIX A COMPLETED CDV CHECKLIST
APPENDIX B SITE PHOTOGRAPHS
APPENDIX C LITHOLOGIC BORING LOGS / FIELD NOTES
APPENDIX D ANALYTICAL DATA

BUREAU OF WASTE CLEANUP

APR 19 2002

TECHNICAL REVIEW SECTION

1.0 INTRODUCTION

Foster Wheeler Environmental Corporation (Foster Wheeler) is pleased to submit this Limited Site Assessment Report for the Carlton Reserve Cattle Dipping Vat (CDV) located in the T. Mabry Carlton, Jr. Memorial Reserve in Venice, Sarasota County, Florida to the U.S. Army Corps of Engineers–Jacksonville District Office (USACE). Figure 1-1 provides a Site Vicinity Map.

Foster Wheeler performed a Limited Site Assessment for the Carlton Reserve CDV as outlined in the Multi-Site Workplan (Foster Wheeler, 2002) submitted to the USACE. Tasks conducted under this Delivery Order included preparation and submittal of a Multi-Site Work Plan and Multi-Site Safety and Health Plan (SSHP), completing a CDV Checklist (Appendix A), performing a Limited Site Assessment investigation, and preparation and submittal of this Limited Site Assessment Report that presents the results of the investigation.

1.1 REPORT ORGANIZATION

This Limited Site Assessment Report is organized as follows:

Section 1.0 provides an introduction, project organization, site description / history, and purpose and scope for the Limited Site Assessment Report.

Section 2.0 provides a site characterization that includes site topography, prevalent soil types, surface water drainage patterns, and regional and local geology/hydrogeology.

Section 3.0 describes the field investigation performed as part of the Limited Site Assessment Report.

Section 4.0 presents references associated with this Limited Site Assessment Report.

1.2 PROJECT ORGANIZATION

The activities described in this report were performed by Foster Wheeler and its subcontractors under the direction and supervision of the USACE. As the prime contractor on this task Foster Wheeler provided a Field Operations Leader (FOL) onsite throughout the duration of the project. The FOL was responsible for directing the overall project activities including supervision of the drilling subcontractor. Foster Wheeler also performed the ground water monitoring well purging, and the soil and ground water sampling activities described in this report. In addition, Foster Wheeler was responsible for providing health and safety oversight throughout this project.

Drilling activities were subcontracted to Precision Drilling Corporation (Precision). Foster Wheeler was onsite for the entire duration of the activities performed by Precision to provide supervision and health and safety oversight of their activities.

Personnel from Foster Wheeler's Stuart, Florida office conducted sample collection activities. Jupiter Environmental Laboratories, Inc., under a subcontract to Foster Wheeler performed the laboratory analytical work. The analytical laboratory was responsible for conducting analyses on samples including Quality Assurance/Quality Control (QA/QC) samples such as field blanks, equipment blanks, matrix spike/matrix spike duplicates, and duplicates.

BUREAU OF WASTE CLEANUP

APR 19 2002

TECHNICAL REVIEW SECTION

1.3 PURPOSE AND SCOPE

The purpose of this project was to characterize the nature of residual materials that may remain in the vat, surrounding soil, and underlying ground water at the Carlton Reserve CDV.

The Limited Site Assessment was accomplished by collecting soil and ground water samples in the immediate vicinity of the vat, collecting a sample from the contents inside the vat, completing a CDV Checklist (Appendix A) and taking photographs (Appendix B) of the CDV site features and adjacent points of interest.

1.4 SITE DESCRIPTION AND HISTORY

The Carlton Reserve CDV site is located in the T. Mabry Carlton, Jr. Memorial Reserve situated south of Myakka State Park in Sarasota County, Florida. The site is located in a nature preserve. There are no residences within a 1-mile radius of the site. A large portion of the nature reserve is wetland. Many species of wildlife reside within the preserve, such as wild bird species, wild boars, deer, alligator, and the Florida panther (FDEP 2002). The vat is located at Latitude- 27 degrees 10 minutes 21.7 seconds North and Longitude – 82 degrees 18 minutes 12.3 seconds West. Figure 1-2 presents a Site Location Map.

The Carlton Reserve cattle dipping vat was in place, although thick vegetation has grown around it. The vat is oriented north to south, entrance to exit, respectively. The vat contained water, pieces of logs and other debris. The area surrounding the vat was partially enclosed with fencing however, the fence was not in good condition. A denuded area is located approximately 20 feet west of the vat. Additionally, bottles of unknown origin or use lie in the immediate area surrounding the vat. The dimensions of the concrete vat measured 28 feet in length (north to south) by 4 ½ feet (east to west). The depth of the vat was indiscernible since it contained water and debris. The ramp (north side) was 10 feet in length and 4 feet wide. Steps were observed leading out of the vat at the exit point onto a concrete drip pad. The exit point of the vat lead onto a drip pad that measured approximately 12 feet (east to west) by approximately 14 feet (north to south). The drip pad was slightly curbed and it sloped gently to the east. The fencing ran from the south side of the drip pad east, then turned north, indicating the cattle exited to the east. Figure 1-3 presents a CDV Plan and Section Map.

According to records obtained from the Florida Department of Environmental Protection, the vat was built sometime between 1917 and 1922. At that time, the property was registered under the name Woodward. However, the cattle operation was being run by the Hollingsworth Brothers, who were leasing the land (FDEP 2002). Sarasota County currently owns the preserve, which was previously owned by the MacArthur Foundation.

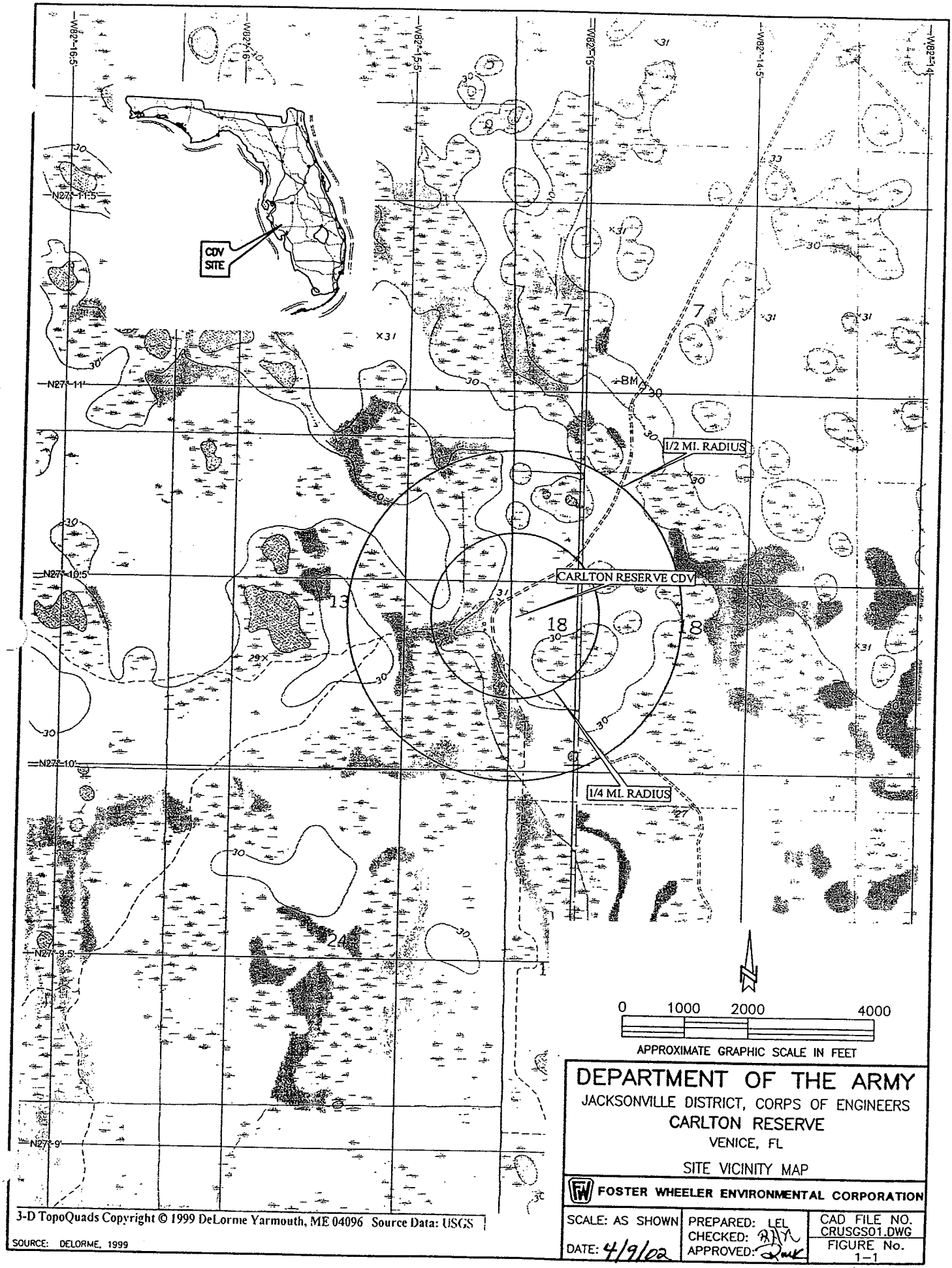
There are four wells located in the vicinity of the CDV. A hand-pump well (Florida unique well ID AAF1759 or Cowboy Camp well) is located approximately 900 feet from the CDV. Based on information provided by Michael Berry of the Sarasota County Health Department Office of Environmental Health Services, this well was sampled on 12 December 2001 (see Section 3.2.3. for a summary of the results). Two other wells are located within the vicinity of the vat, one approximately 7 feet west of the CDV and the other well is located approximately 300 feet west of the CDV. Per USACE directive, Foster Wheeler sampled the 2-inch diameter well located 7

feet west of the vat at the time of the limited investigation. The tubing used to sample the well could not go deeper than 25 feet. It could not be determined if that was the bottom or an obstruction. A fourth well, a water management district monitoring well is located about 100 feet southwest of the vat and is part of a potable well field present in the reserve. This well (ID: ROMP 19ES) is screened in the surficial aquifer, is six inches in diameter and 34.5 feet deep (FDEP 2002).

1.5 CDV CHECKLIST AND PRE-CERCLIS SCREENING FORM

The CDV Checklist is presented in Appendix A along with the PRE-CERCLIS Screening Assessment Checklist/Decision Form with attached site maps. Information collected during the execution of the CDV Checklist provides qualitative information on pathways, receptors, and habitat type.

BUREAU OF WASTE CLEANUP
APR 19 2002
TECHNICAL REVIEW SECTION



DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

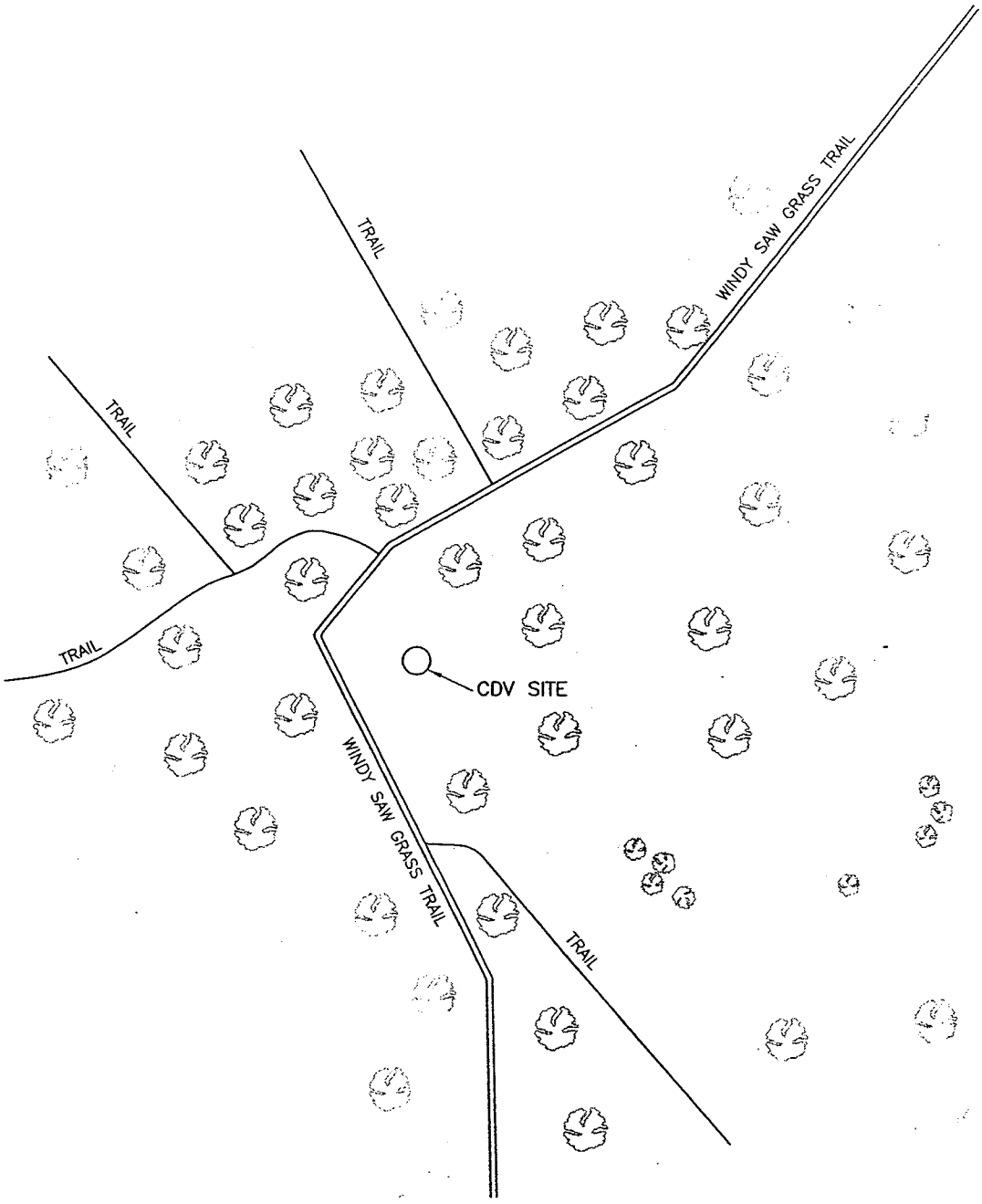
CARLTON RESERVE

VENICE, FL

SITE VICINITY MAP

FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE: AS SHOWN	PREPARED: LEL	CAD FILE NO. CRUSGS01.DWG
DATE: 4/9/02	CHECKED: RJY	FIGURE No. 1-1
	APPROVED: DWK	



0 300 600 1200

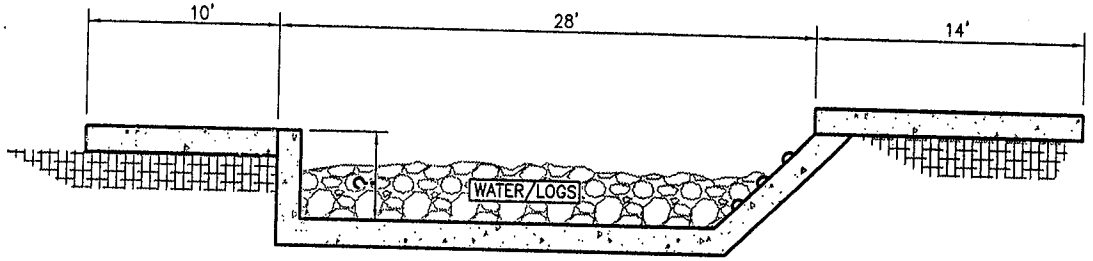
APPROXIMATE GRAPHIC SCALE IN FEET

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

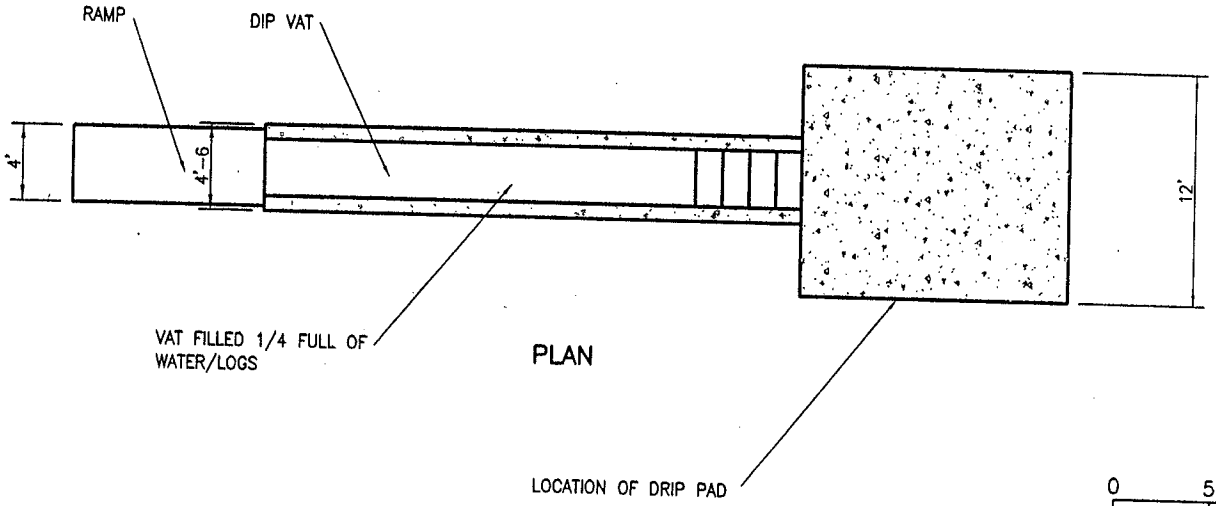
CARLTON RESERVE CDV
SITE LOCATION MAP

FOSTER WHEELER ENVIRONMENTAL CORPORATION

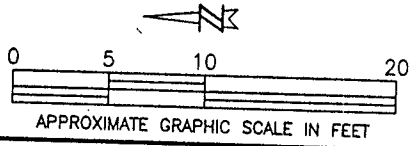
SCALE: AS SHOWN	PREPARED: LEL	CAD FILE NO. CRSLM01.DWG
DATE: 4/9/02	CHECKED: [illegible]	FIGURE No. 1-2
	APPROVED: [illegible]	



CROSS SECTION



PLAN



APPROXIMATE GRAPHIC SCALE IN FEET

NOTE

THE INFORMATION DEPICTED ON THIS DRAWING HAS NOT BEEN SURVEYED BY A PROFESSIONAL LAND SURVEYOR. THE LOCATIONS OF ITEMS ARE CONSIDERED TO BE APPROXIMATE.

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

CARLTON RESERVE CDV
CDV PLAN AND SECTION

FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE: AS SHOWN	PREPARED: LEL	CAD FILE NO. CRSL01.DWG
DATE: 4/9/02	CHECKED: BJM	
	APPROVED: RMC	FIGURE No. 1-3

2.0 SITE CHARACTERISTICS

2.1 GEOLOGY/HYDROGEOLOGY

2.1.1 Regional Geology/Hydrogeology

The majority of Sarasota County lies within the Gulf Coastal Lowlands, however, two small portions in the northeast end of the County lies within the DeSoto Plain. The Gulf Coastal Lowlands main topographic features in Sarasota County are scarps and terraces. The surface and subsurface sediments in the region consist primarily of quartz sand, consolidated and unconsolidated shell beds, clays, limestone, and dolomite (Campbell, 1985).

The land surface elevations in Sarasota County ranges from mean sea level along the gulf coast and the lower Myakka River to a maximum of 100 feet in the northeast region of the county (Campbell, 1985).

The majority of Sarasota County is comprised of swamps, marshes, and ponds. Drainage in the region is poor. The Myakka River and its tributaries are the main streams in the County. The ground water table in the area is at or near land surface (Campbell, 1985). There are three principal aquifer systems in Sarasota County, the shallow surficial aquifer (3-160 feet below ground surface (bgs)), the intermediate aquifer system (160-400 feet bgs) and the Floridan aquifer system (400-1500 feet bgs) (Reese, 2000). The Floridan aquifer system is a confined artesian type aquifer. In the southwestern region of Florida, the surficial aquifer system includes the water table aquifer and the lower Tamiami aquifer. The surficial aquifer is primarily composed of sand, but contains relatively thin beds or lenses of limestone, sandstone, or shell beds, which are typically more permeable than the sand. Beneath the surficial aquifer system and above the Floridan aquifer system lies the intermediate aquifer system. The intermediate aquifer system is a confined unit, which does not out crop. Although the Floridan aquifer system yields more water, the intermediate aquifer system is the main source of water in Sarasota county (Randazzo, 1997). The intermediate aquifer system comprises beds of sand, sandy limestone, and dolomite. This Miocene and Pliocene aged strata are part of the Hawthorn Group and Tamiami Formation, confined at top and bottom with clay layers. The intermediate aquifer system is recharged from downward seepage through the upper confining unit. The Floridan aquifer system is mostly comprised of a thick sequence of Tertiary carbonate rocks and in southwest Florida contains mostly salt or brackish water.

2.1.2 Local Geology/Hydrogeology

The topography at the site is relatively flat with a surface elevation of approximately 30 feet. Figure 1-1 presents a Site Vicinity Map (taken from Lower Myakka Lake USGS 7.5 Series Topographic Map) that depicts the area encompassing the Site.

A continuous lithologic boring was advanced to a depth of 9 feet bgs at location DP-01. The first four feet underlying the vat area is sand, which was gray to dark gray in color. This sand generally consisted of well-sorted, fine-grained quartz, with few to some pieces of organic matter. From 5 to 9-feet bgs, the soil was silty sand, 70 % fine-grained quartz, 30% silt and dark brown in color. In addition, five hand augered borings were advanced to two feet bgs at locations indicated on Figure 3-1. See Appendix C for lithologic boring logs. The shallow ground water flow direction at this site is assumed to be southwest towards the Myakka River.

3.0 FIELD INVESTIGATION RESULTS

Foster Wheeler personnel conducted the Limited Site Assessment at the Carlton Reserve CDV Site on 22 January 2002. Five surface soil samples, two surficial ground water samples, one vat content sample, and one existing ground water potable well sample were collected for analysis during the assessment. Table 3-1 presents a list of the constituents of interest[1]. One field blank (CSFB01) was collected prior to collecting any environmental samples at the site. Field notes are provided in Appendix C.

3.1 SURFACE SOIL ASSESSMENT

3.1.1 Surface Soil Samples

Five surface soil "grab" samples were collected from around the Carlton Reserve CDV Site. One surface soil sample was collected at the entry point to the vat (SB-01 on the west side), two samples were collected from the exit area along the vat exit steps (SB-04 on the east side of the vat and SB-02 on the west side), one sample was taken from the area just off the drip pad (SB-03 on the east side), and one sample was collected from the denuded area (SB-05 just west of the vat). Shallow "grab" surface soil samples were collected from 0 – 2 feet bgs. Sample locations are shown in Figure 3-1.

The surface soil samples were collected using a pre-cleaned stainless steel hand auger sampler. Samples were completed and prepared for shipment by placing them into a clean stainless steel bowl for mixing, prior to being placed in sample containers. Samples were mixed thoroughly to ensure that the soil sample was representative of the interval being sampled. The samples were logged and placed into the appropriate sample container(s), labeled and entered onto the chain of custody form. Soil samples were placed in a cooler with enough ice to maintain a temperature of 4° C until the sample arrived at the analytical laboratory.

The first four feet of the direct push/soil borings were obtained during posthole activities with a stainless steel hand auger. In DP-01/SB-01, a 1.5-inch ID steel 4-foot long Geoprobe® direct-push soil sampler with a removable acetate sleeve was advanced for soil recovery from 5 to 9 feet bgs to obtain a lithologic profile of the site. The unused soil was placed back into the boring in which it was recovered.

Foster Wheeler maintained a log of boring DP-01/SB-01. Soils obtained from the Geoprobe® direct-push sampler were described based on the Unified Soil Classification System (USCS) (ASTM D-2488). The boring log describes lithologies encountered, sample location, sample data (recovery, color, etc.), water level, total depth, construction summary, and any other pertinent data.

All boreholes were back-filled with soil from the borings following soil and/or ground water sample collection.

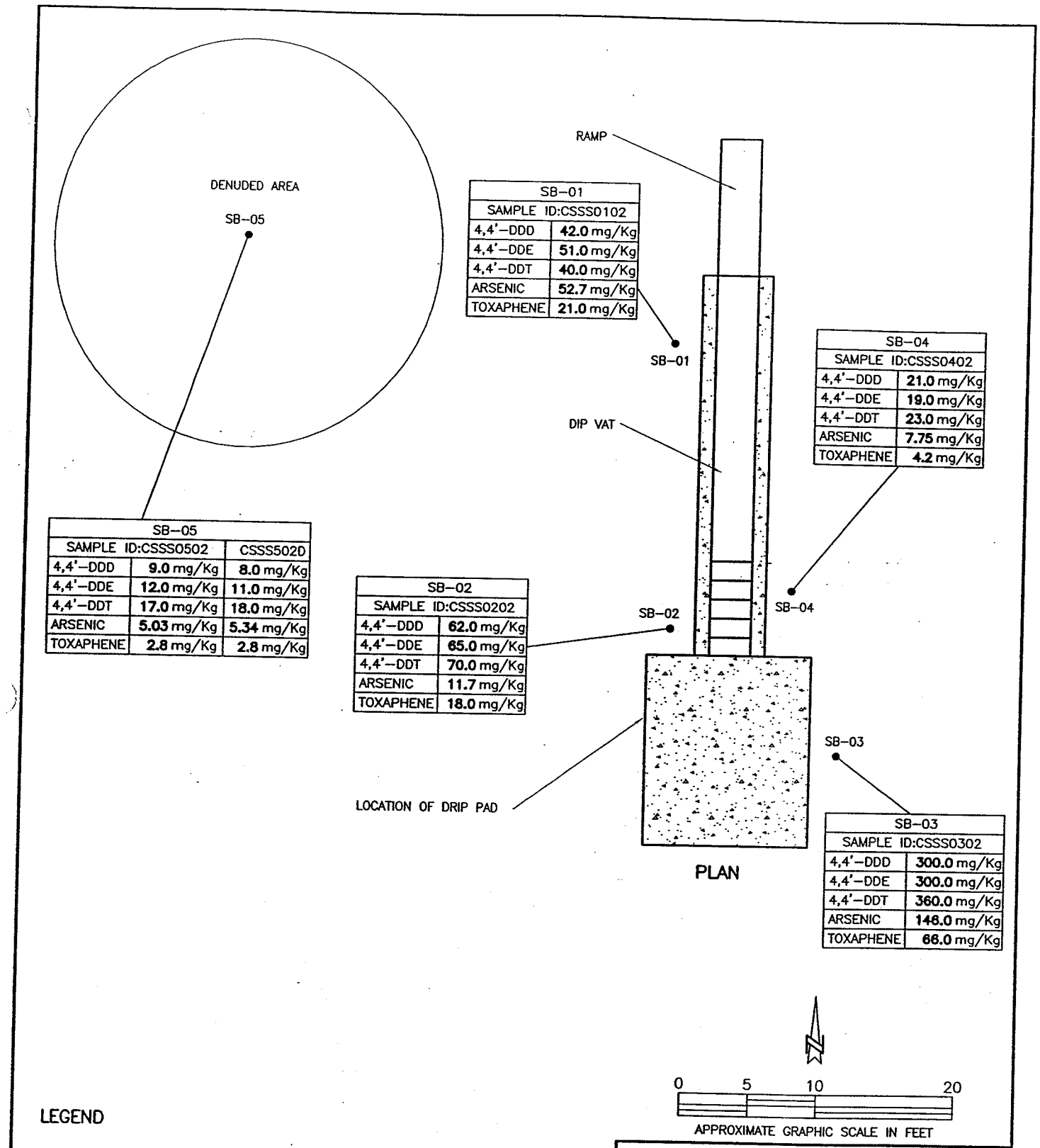
---

[1] The constituents of interest were based upon the following:. knowledge of materials used in the CDVs, and the analytical methods available to yield data on these constituents.

Table 3-1
List of Constituents of Interest[1]

Analytical Method	Constituent	Analytical Method	Constituent
8141	Phorate	8270	Fluorene
8141	Ronnel	8270	Benzo[g,h,i]Perylene
8141	Stirophos	8270	Dibenz[a,h]Anthracene
8141	Sulfotep	8270	2-Methylnaphthalene
8141	TEPP	8270	Pyrene
8141	Trichloronate	8270	Benzo[b]Fluoranthene
8141	Mevinphos	8270	Benzo[a]Pyrene
8141	Tokuthion	8270	Benzo[a]Anthracene
8141	Parathion,Methyl	8270	Anthracene
8141	Parathion,Ethyl	8270	Acenaphthylene
8141	Fenthion	8270	Acenaphthene
8141	Monocrotophos	8270	Fluoranthene
8141	Merphos	8081	Alpha-Chlordane
8141	Malathion	8081	Endrin Ketone
8141	Naled	8081	Endrin Aldehyde
8141	Ethoprop	8081	Endrin
8141	Fenamiphos	8081	Endosulfan Sulfate
8141	Fensulfothion	8081	Endosulfan II
8141	EPN	8081	4,4-DDD
8141	Ethion	8081	Gamma-Bhc (Lindane)
8141	Disulfoton	8081	Beta-BHC
8141	Dimethoate	8081	Endosulfan I
8141	Dichlorvos	8081	Alpha-BHC
8141	Diazinon	8081	Aldrin
8141	Demeton-S	8081	4,4-DDT
8141	Coumaphos	8081	4,4-DDE
8141	Azinphos,Methyl	8081	Dieldrin
8141	Bostar	8081	Delta-BHC
8141	Chlorpyrifos	8081	Gamma-Chlordane
8270	1-Methylnaphthalene	8081	Heptachlor Epoxide
8270	Chrysene	8081	Heptachlor
8270	Benzo[k]Fluoranthene	8081	Methoxychlor
8270	Phenanthrene	8081	Total Chlordane
8270	Naphthalene	8081	Toxaphene
8270	Indeno[1,2,3-cd]Pyrene	200.8/6020B	Arsenic

Notes:
All samples were analyzed for Organochlorine and Organophosphorus Pesticides (EPA Methods 8081, 8141), Total Arsenic (EPA method 200.8 for water and 6020B for soil) and Polynuclear Aromatic Hydrocarbons (EPA Method 8270). Jupiter Laboratories, Inc analyzed the listed compounds.



SB-01	
SAMPLE ID:CSSS0102	
4,4'-DDD	**42.0** mg/Kg
4,4'-DDE	**51.0** mg/Kg
4,4'-DDT	**40.0** mg/Kg
ARSENIC	**52.7** mg/Kg
TOXAPHENE	**21.0** mg/Kg

SB-04	
SAMPLE ID:CSSS0402	
4,4'-DDD	**21.0** mg/Kg
4,4'-DDE	**19.0** mg/Kg
4,4'-DDT	**23.0** mg/Kg
ARSENIC	**7.75** mg/Kg
TOXAPHENE	**4.2** mg/Kg

SB-05		
SAMPLE ID:CSSS0502		CSSS502D
4,4'-DDD	**9.0** mg/Kg	**8.0** mg/Kg
4,4'-DDE	**12.0** mg/Kg	**11.0** mg/Kg
4,4'-DDT	**17.0** mg/Kg	**18.0** mg/Kg
ARSENIC	**5.03** mg/Kg	**5.34** mg/Kg
TOXAPHENE	**2.8** mg/Kg	**2.8** mg/Kg

SB-02	
SAMPLE ID:CSSS0202	
4,4'-DDD	**62.0** mg/Kg
4,4'-DDE	**65.0** mg/Kg
4,4'-DDT	**70.0** mg/Kg
ARSENIC	**11.7** mg/Kg
TOXAPHENE	**18.0** mg/Kg

SB-03	
SAMPLE ID:CSSS0302	
4,4'-DDD	**300.0** mg/Kg
4,4'-DDE	**300.0** mg/Kg
4,4'-DDT	**360.0** mg/Kg
ARSENIC	**146.0** mg/Kg
TOXAPHENE	**66.0** mg/Kg

LEGEND

- ● SOIL BORING LOCATION (SB)

NOTES

BOLD – INDICATES A RESULT THAT EXCEEDS THE REFERENCED FDEP SOIL CLEANUP TARGET LEVELS AND/OR ECOLOGICAL RISK BASED SCREENING GUIDANCE CONCENTRATIONS.

TOXAPHENE RESULTS EXCEED USEPA OSWER **SEDIMENT** SCREENING BENCH MARKS.

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

CARLTON RESERVE CDV
ANALYTICAL RESULTS MAP
FOR SURFACE SOIL

FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE: AS SHOWN	PREPARED: LEL	CAD FILE NO. CRSSR01.DWG
DATE: 4/9/02	CHECKED:	FIGURE No. 3-1
	APPROVED: RMK	

3.1.2 QA /QC Laboratory Data Review for Surface Soil

The soil data set consisted of 8 samples (including QA/QC samples, i.e., blanks and duplicates) collected on 22 January 2002. The samples were analyzed by Jupiter Laboratories, Inc., in Jupiter, Florida, a State of Florida certified independent analytical laboratory. The sample analyses were conducted within the required holding time by the laboratory. There was one reported lab control standard, one method blank, one equipment blank, one matrix spike/matrix spike duplicate pair (CSSSO1O2-M from the SB-01 location), and one duplicate sample (CSSS0502-D from the DP-01/SB-01 location) submitted to the laboratory. The matrix spike/matrix spike duplicate sample (CSSSO1O2-M) submitted to the laboratory was not spiked, but was analyzed as a duplicate sample due to elevated contaminant analytes being present within the sample. An internal laboratory matrix spike/matrix spike duplicate sample pair were analyzed by the laboratory and the results were within QA/QC criteria for relative percent differences (RPD).

Analytical data reports were not provided for review from method blanks, but the lab report narrative stated that the method blanks were free from the target compounds or other interferences. The equipment blank results were below the laboratory reporting limits for each analyte. The relative percent difference (RPD) for the 2 duplicate samples (CSSS0502-D and CSSSO1O2-M) met QA/QC criteria. No analytical problems were found affecting the analytical quality of this data set.

3.1.3 Surface Soil Analytical Results

Five soil samples were collected and sampled on 22 January 2002 and delivered to Jupiter Environmental Laboratories, Inc. Sample were collected from locations SB-01 through SB-05 and the samples were numbered CSSS0102, CSSS0202, CSSS0302, CSSS0402 and CSS0502. All surface soil samples were analyzed for Organochlorine and Organophosphorus Pesticides (EPA Methods 8081, 8141), Total Arsenic (EPA method 6020B) and Polynuclear Aromatic Hydrocarbons (EPA Method 8270).

In all of the soil samples collected (CSSS0102, CSSS0202, CSSS0302, CSSS0402, CSSS0502, and CSSS0502-D), 4,4'-Dichlorodiphenyl dichloroethane (4,4'- DDD), 4,4'-Dichlorodiphenyl dichloroethylene (4,4'- DDE), 4,4'-Dichlorodiphenyl trichloroethane (4,4'- DDT), arsenic, and toxaphene[2] exceeded both the USEPA Region 4 Ecological Risk Based Screening Values (USEPA 2001) and the FDEP Soil Cleanup Target Levels (FDEP 1999). No other analytes were detected in the soil samples at concentrations above the laboratory reporting limits.

Surface soil sample analytical summary with applicable soil quality screening criteria (USEPA Ecological Risk Based Screening Values and FDEP Soil Cleanup Target Levels) are provided in Table 3-1. Figure 3-2 presents an analytical results summary map for surface soil samples taken at the site for compounds detected above the laboratory reporting limits. A complete copy of the analytical data is provided in Appendix D.

---

[2] A sediment surrogate ecological risk based screening value was used for toxaphene. This was necessary since a consensus-based screening level for soils is not readily available at this time. USEPA OSWER Sediment Screening Benchmarks were utilized for toxaphene, **not** USEPA Region 4 Risk Based Screening Values.

Table 3-2
Surface Soil Sample Analytical Summary of Detected Compounds
January 2002

Analyte	Units	Criteria	CSSS0102	CSSS0102-M	CSSS0202	CSSS0302	CSSS0402	CSSS0502	CSSS0502-D
4,4'-DDD	mg/kg	0.0025* 4.6**	**42.0**	**48.0**	**62.0**	**300.0**	**21.0**	**9.0**	**8.0**
4,4'-DDE	mg/kg	0.0025* 3.3**	**51.0**	**55.0**	**65.0**	**300.0**	**19.0**	**12.0**	**11.0**
4,4'-DDT	mg/kg	0.0025* 3.3**	**40.0**	**57.0**	**70.0**	**360.0**	**23.0**	**17.0**	**18.0**
Arsenic	mg/kg	10* 0.8**	**52.7**	**38.4**	**11.7**	**146.0**	**7.75**	**5.03**	**5.34**
Toxaphene[3]	mg/kg	0.028*** 1.0**	**21.0**	**23.0**	**18.0**	**66.0**	**4.2**	**2.8**	**2.8**

Notes:
* USEPA Region 4 Ecological Risk Based Screening Guidance Values.
** FDEP Chapter 62-777 Soil Cleanup Target Levels, 5 August 1999.
*** USEPA OSWER Sediment Screening Benchmarks from internet: http://risk.lsd.ornl.gov/homepage/eco_tool.shtml
Bold Results – indicate results that exceed the referenced Soil Cleanup Target Level Criteria and/or the Ecological Risk Based Screening guidance values.
Samples collected by Foster Wheeler Environmental on 22 January 2002, and analyzed by Jupiter Environmental Laboratories, Inc.

3.2 SHALLOW GROUND WATER AND VAT CONTENT ASSESSMENT

3.2.1 Ground Water Samples

Ground water samples were collected from two temporary direct-push well point locations (DP-01 and DP-02) and one existing potable well within the surficial aquifer to evaluate shallow ground water conditions near the vat.

To collect samples from the two temporary direct-push well point locations, a stainless steel well point sheathed screen assembly (approximately 1.5-inches in diameter by 4 feet in length) was advanced to the upper portion of the shallow water bearing zone at both locations using a Geoprobe® direct-push rig. The inside diameter of the screen assembly is 0.5-inches. The sheathed screen assembly was advanced to the desired depth and the sheath was then pulled back to expose the screen to the formation thus allowing ground water to flow in. A four foot screen was placed across an interval of 5-9 feet bgs for location DP-01 (CSSGW01) and DP-02 (CSSGW02). The shallow ground water table elevation was at approximately 3 feet bgs.

A sample was collected from the on-site, existing well using a peristaltic pump and tubing. This well is a 2-inch diameter steel well, the exact construction details are unknown. A steel 90 degree elbow was attached to the well and could not be removed. The exact total depth of this well could not be determined due to the 90 degree elbow being present, although approximately 25

[3] A sediment surrogate ecological risk based screening value was used for toxaphene. This was necessary since a consensus-based screening level for soils is not readily available at this time. USEPA OSWER Sediment Screening Benchmarks were utilized for toxaphene (http://risk.lsd.ornl.gov/homepage/eco_tool.shtml).

feet of pump tubing was lowered into the well until an obstruction or the well bottom was encountered. The ground water sample CSSGW0320 was taken from a depth of 20-feet bgs due to purging difficulties. While purging, a large amount of debris (pieces of organic matter and steel from the well) were encountered.

A peristaltic pump was used to purge the well points/well during this investigation. Pump tubing (Teflon®) was lowered into each well point/well below the static water level and ground water was withdrawn. Sample water was then placed in the appropriate containers.

The volume of water in the casing was calculated by multiplying the total linear feet (well total depth minus the depth to water) of static water in the well point/well (0.5 inches ID for well points and 2.0 inches ID for existing well) times the gallons per linear foot of submerged depth (0.010 feet for well points and 0.163 feet for the existing well).

While purging, the rate of discharge was measured frequently by using a bucket of known volume and a stopwatch. The number of well volumes was removed and recorded in the site logbook along with values for pH, temperature, specific conductance, turbidity, dissolved oxygen and salinity at regular intervals. Table 3-3 presents a summary of purging data from the well points/well.

Each well point/well was purged a minimum of five well casing volumes before sampling. Samples were collected directly from the pump discharge line (Teflon®) at low flow. Sample containers were filled directly from the pump at the wellhead and sample labels and chain of custody forms were filled out for the samples. All samples were placed in pre-chilled coolers with sufficient zip-lock bagged ice to maintain a temperature of 4° C until the samples arrived at the analytical laboratory. The ground water sample locations are shown in Figure 3-2.

3.2.2 Vat Content Sample

During the investigation, a vat content sample (CSVC01) was collected. The vat contained fluid, and a sample was collected for analyses. A peristaltic pump was utilized during this procedure. Pump tubing (Teflon®) was lowered into the vat just below the surface of the water and water was withdrawn. While purging, the volume of water being removed was measured by using a bucket of known volume and a stopwatch. The volume removed, along with values for pH, temperature, specific conductance, turbidity, dissolved oxygen and salinity were recorded in the logbook. Table 3-2 presents a summary of the purging data retrieved from the vat content.

Approximately three gallons of fluid were purged from the vat to obtain two sets of field readings. Samples were then collected directly from the pump and sample labels and the chain of custody form were filled out for the samples. All samples were placed in pre-chilled coolers with sufficient zip-lock bagged ice to maintain a temperature of 4° C until the samples arrived at the analytical laboratory. The vat content sample location is shown in Figure 3-2.

Table 3-3
Temporary Well Points, Existing Well, and Vat Content Purging Field Data Summary
January 2002

Well Point / Sample ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Salinity (%)	Purge Volume (Gallons)	Sample Time
DP-01/ CSGW0107	01/22/02	6.7	0.57	990	2.1	21.9	0	3	1025
		6.9	0.57	990	1.3	22.2	0		
		6.9	0.58	990	1.1	22.2	0		
DP-02/ CSGW0207	01/22/02	6.7	0.91	890	0.0	22.1	0	3	1300
		6.6	0.89	900	0.0	22.1	0		
		6.6	0.89	350	0.0	22.3	0		
WELL/ CSGW0320	01/22/02	7.2	1.30	410	4.3*	22.5	0.1	3	1130
VAT/ CSVC-01	01/22/02	7.5	0.34	26	0.7	19.7	0	3	1145
		7.5	0.33	28	0.5	19.7	0		

Notes:
*= These results are considered to be estimates since samples appeared to be aerated.
DP = Direct-Push
CS = Carlton Reserve CDV Site.
GW = Ground Water
VC = Vat Content
°C – degrees Celsius
mS/cm – microsiemens per centimeter
mg/L – milligrams per liter

3.2.3 QA /QC Laboratory Data Review for Ground Water

The water data set consisted of 6 samples (including QA/QC samples, i.e., blanks and duplicates) collected on 22 January 2002. The samples were analyzed by Jupiter Laboratories, Inc., in Jupiter, Florida. The sample analyses were conducted within the required holding time by the laboratory. There was one reported lab control standard, one method blank, one equipment blank, and one duplicate sample (CSGW0107-D from the DP-01/SB-01 location) in this data set that were submitted to the laboratory. An internal laboratory matrix spike/matrix spike duplicate sample pair were also analyzed by the laboratory. Analytical data reports were not provided for review from method blanks, but the lab report narrative stated that the method blanks were free from the target compounds or other interferences. All control samples passed laboratory limits. Matrix spike and matrix spike duplicates were all within laboratory standards and the method blank was Below Detection Level (BDL) for all target compounds.

The relative percent difference (RPD) for the duplicate sample (CSGW0107-D) was calculated and it did not meet the QA/QC criteria for the compound 4,4-DDD. Based on the calculations, a positive result for 4,4-DDD from sample (CSGW0107) was qualified with a "J" (estimated value) because the RPD exceeded the 25 percent criteria established for ground water. All other detected compounds met the RPD criteria for the listed sample.

No analytical problems (except as noted herein) were found affecting the analytical quality of this data set. A complete copy of all analytical data is provided in Appendix D.

3.2.4 Well Point, Existing Well, and Vat Content Analytical Results

The two temporary well points installed onsite at location DP-01 (sample CSGW0107) and location DP-02 (sample CSGW0207)), the existing well (CSSGW0320), and the vat content (CSVC01) were sampled on 22 January 2002. The samples were analyzed for water quality parameters, Organochlorine and Organophosphorus Pesticides (EPA Methods 8081, 8141), Total Arsenic (EPA method 200.8) and Polynuclear Aromatic Hydrocarbons (EPA Method 8270).

The ground water and vat content samples indicated that 4,4'-DDD exceeded the Ground Water Cleanup Target Levels (FDEP 1999). In two of the three ground water samples collected, 4,4'-DDE and arsenic exceeded the Ground Water Cleanup Target Levels. In one (CSGW0320) of the three ground water samples collected, arsenic was detected at a concentration below the Ground Water Cleanup Target Level. Alpha-BHC and beta-BHC exceeded the Cleanup Target Levels in two of the ground water samples (CSGW0207 and CSGW0320) and from the vat content sample (CSVC01). Additionally, in one of the ground water samples (CSGW0207), dieldrin exceeded the Cleanup Target Level. No other analytes were detected in any of the ground water or equipment blank samples. Figure 3-4 presents an analytical result map that depicts the sample locations with results. Table 3-4 provides an analytical summary for ground water and vat content samples collected.

Table 3-4
Ground Water Sample Analytical Summary of Detected Compounds

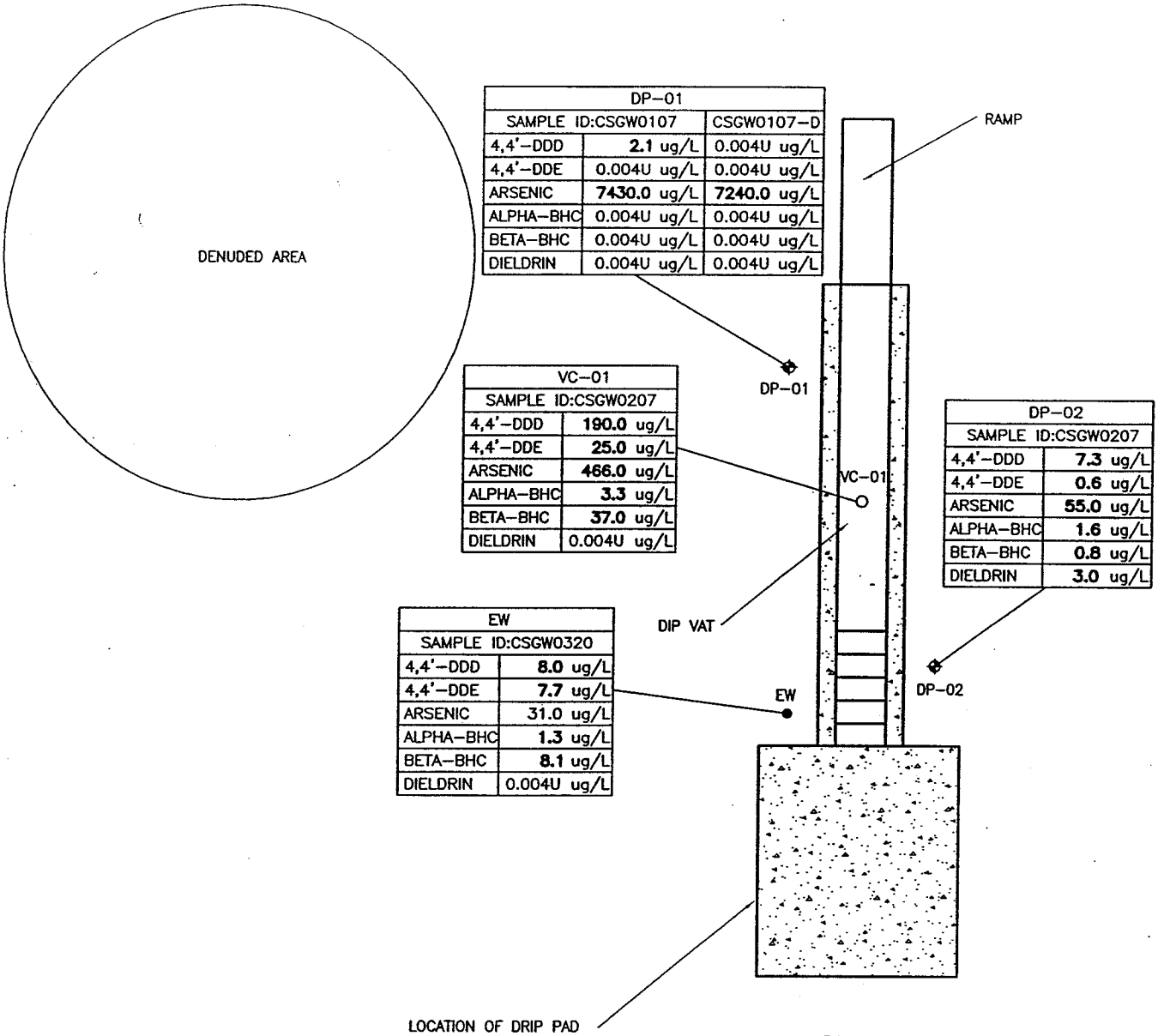
January 2002

Analyte	Units	Criteria*	CSGW0107	CSGW0107-D	CSGW0207	CSGW0320	CSVC01
4,4'-DDD	µg/L	0.1	**2.1J**	**1.2**	**7.3**	**8.0**	**190.0**
4,4'-DDE	µg/L	0.1	0.004U	0.004U	**0.6**	**7.7**	**25.0**
Arsenic	µg/L	50	**7430.0**	**7240.0**	**55.0**	31.0	**466.0**
alpha-BHC	µg/L	0.05	0.004U	0.004U	**1.6**	**1.3**	**3.3**
beta-BHC	µg/L	0.1	0.004U	0.004U	**0.8**	**8.1**	**37.0**
Dieldrin	µg/L	0.005	0.004U	0.004U	**3.0**	0.004U	0.004U

Notes:
* FDEP Chapter 62-777 Ground Water Cleanup Target Levels, 5 August 1999.
Bold Results – indicates results that exceed the referenced Ground Water Cleanup Target Levels.
U = Below laboratory detection limit.
J = Estimated value.
Samples collected by Foster Wheeler Environmental on 22 January 2002, and analyzed by Jupiter Environmental Laboratories, Inc.

A nearby existing well identified as ID AAF1759 or referred to as the Cowboy Camp well was sampled on 12 December 2001 by Sarasota County Health Department Office of Environmental Health Services personnel. Sample results indicated the presence of nickel at 1.1 µg/L (GW

Cleanup Target Level - 100 µg/L), arsenic at 0.73 µg/L (GW Cleanup Target Level - 50 µg/L), selenium at 1.8 µg/L (GW Cleanup Target Level - 50 µg/L) cadmium at 3.8 µg/L (GW Cleanup Target Level - 5 µg/L) and lead at 76 µg/L (GW Cleanup Target Level - 15 µg/L). Lead was the only compound that was detected at a concentration that exceeded the Cleanup Target Level. The analytical data is provided in Appendix D.



LEGEND

- ◈ TEMPORARY WELL POINT (DP)
- ● EXISTING WELL (EW)
- ○ VAT CONTENT (VC)

0 5 10 20

APPROXIMATE GRAPHIC SCALE IN FEET

NOTES

BOLD – INDICATES A RESULT THAT EXCEEDS THE REFERENCED GROUNDWATER GUIDANCE CONCENTRATIONS.

U = BELOW LABORATORY DETECTION LIMIT.

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

CARLTON RESERVE CDV
ANALYTICAL RESULTS MAP
FOR GROUNDWATER AND VAT CONTENT

FOSTER WHEELER ENVIRONMENTAL CORPORATION

SCALE: AS SHOWN	PREPARED: LEL	CAD FILE NO. CRGW01.DWG
DATE: 4/9/02	CHECKED:	FIGURE No. 3-2
	APPROVED:	

3.3 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Limited site screening assessments are conducted in order to make a determination if further evaluation is necessary. The goal of these limited screening activities is to avoid concluding that a site presents no risk to human health or the environment when in fact such a risk may exist. Therefore, screening assessments usually employ a focused sampling and analysis effort and the results are compared against conservative criteria. This conservative screening approach was used at the Carlton Reserve CDV

The analytical results for soil samples collected indicate that 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, arsenic, and toxaphene[4] were present at the site. These values are above the screening criteria listed by the USEPA which are protective of ecological receptors (USEPA, 2001). Additionally, 4,4'-DDD, 4,4'-DDE, arsenic, alpha-BHC, beta-BHC, and dieldrin were detected in the ground water above the FDEP Ground Water Cleanup Target Levels (FDEP 1999).

Both human and ecological receptors are appropriate to use at this site. Currently the CDV is located on a wildlife reserve and is accessible to the public. Therefore, the land-use patterns indicate a potential for exposure to both humans and ecological receptors.

Carlton Reserve CDV needs to be isolated to prevent exposure to human and ecological receptors. An interim measure such as fencing or a cover should be constructed to restrict access. A more permanent remedy is required that may take the form of demolition/removal or encapsulation/containment. In addition, Foster Wheeler recommends that the Carlton Reserve CDV be investigated to determine the vertical and horizontal extent of constituents of interest, that have the potential to be impacting the soil and ground water surrounding the vat. Furthermore, the assessment process will benefit if a CDV-specific analyte target list can be developed. This CDV-specific analyte target list should be based upon knowledge of materials used in the CDVs and the results of findings to date on soil and groundwater quality associated with CDV sites.

---

[4] A sediment surrogate ecological risk based screening value was used for toxaphene. This was necessary since a consensus-based screening level for soils is not readily available at this time. USEPA OSWER Sediment Screening Benchmarks were utilized for toxaphene (http://risk.lsd.ornl.gov/homepage/eco_tool.shtml)

4.0 REFERENCES

FDEP, 2002. Jay Koch. Florida Department of Environmental Protection, PRE-CERCLIS Screening Assessment Checklist/Decision Form. 9 January 2002.

Foster Wheeler, 2002. Multi-Site Work Plan with Multi-Site Safety and Health Plan for Prospect Road; Pinesap Avenue; Doyle Road; Tanner; Homosassa; and Steve Wortham Park Cattle Dipping Vat Sites. 25 January 2002.

USEPA OSWER Sediment Screening Benchmarks toxaphene. Down loaded on 2 February 2002 from the internet: http://risk.lsd.ornl.gov/homepage/eco_tool.shtml.

USEPA, 2001. U.S. Environmental Protection Agency Region 4. Ecological Risk Assessment Bulletin Supplement to RAGs. Updated 30 November 2001 and Downloaded 2 February 2002.

Reese, Ronald S., Hydrogeology and the Distribution of Salinity in the Floridan Aquifer System, Southwestern Florida: U.S. Geological Survey Water-Resources Investigations Report 98-4253, 2000.

Randazzo, A.F., and D.S. Jones, The Geology of Florida. University Press of Florida, Gainesville, FL., 1997.

FDEP, 1999. Florida Department of Environmental Protection, Chapter 62-777 Contaminant Cleanup Target Levels. 5 August 1999.

USEPA 1996. U.S. Environmental Protection Agency Region 4. Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, May 1996.

Campbell, Kenneth M., Geology of Sarasota County, Florida. Florida Geological Survey, Tallahassee, FL., 1985.

APPENDIX A
COMPLETED CDV CHECKLIST

CATTLE DIPPING VAT (CDV) SITE CHECKLIST

INVESTIGATOR (Print) Cheri Hughes SIGNATURE _____

CDV ID: 0003 DATE: 22 January 2002

CDV NAME: Carlton Reserve OWNERS NAME: Sarasota County

CDV ADDRESS: Windy Sawgrass Trail GPS-LATITUDE: N27 10'362"

TOWN/COUNTRY: Sarasota, Florida, USA GPS-LONGITUDE: W82 18'205"

Responsible Regulatory Agency:

a. DOA _____

b. DEP ✓

c. EPA ✓

d. Other ACOE

1. What is the site's rainfall amount: An average of 50-60 inches per year

2. What are the adjacent land use:

Residential

Cattle grazing

Sugar cane production _____

Other Crop (please specify) _____

Commercial fruit growing _____

Commercial vegetable growing _____

Privately owned hammocks / wetlands _____

State Park ✓ (Reserve) Industrial Park _____

Other location (please specify) _____

3. Is the CDV within 1000 feet of a public area? Yes

A. What is the distance of the CDV from a public area? The CDV is located within a nature preserve, which is accessible to the public

B. What is the "public area" (bus stop, sports area, picnic area, school, etc.)? Public Accessible Preserve

4. Are there any warning signs to deter entry to the site? No

5. Outside the CDV, the color of the soil is:

dark ✓ brown _____ yellow _____

medium _____ gray ____✓____ black _____

light ____✓____ red _____

6. Outside the CDV, the soil texture is:

fine grained ____✓____ course grained _____

other _____

7. Splash from the cattle dipping vat was/is likely to flow:

Across the drip pen area _____

Away from the drip pen area ____✓____

The drip pen area is level _____

Across the approach _____

Away from the approach ____✓____

Note (if needed):

8. In the drip pen area, the slope and bearing from the highest to the lowest point is approximately

5 degree slope.

9. What is the bearing of the dip vat from the approach of the drip pen? North

10. To understand the erosion hazard of a site it is necessary to assess site water movement. A "ridge" can be defined as an area of land with little/no water running on/from and off/to other areas. A "plain" may receive water from other areas but infiltration of water is more significant than run-off-the area is a sink for excess water. From the above definitions, the drip area is on a:

Ridge_____ Plain ____✓____ Slope _____

11. By its location in relation to swamps, dams, etc., the CDV is likely to have a high water table (less than 3 feet BGS). The approximate elevation of ground water in the vicinity of the vat is 3 feet BGS.

12. The external CDV fencing is:

In good condition to (able to hold Stock) _____

In poor condition (not able to hold Stock) ____✓____

The area has been fenced to prevent site access _____

The site is not fenced _____

13. The internal CDV fencing is:

In good condition to (able to hold Stock) _____

In poor condition (not able to hold Stock) ____✓____

Non-existent _____

14. The cattle dipping vat is:

Filled with soil / stone/ etc. _____

Filled with liquid and not cracked _____

Filled with liquid but cracked, the depth from GS to liquid is 4 feet

Filled with other (please specify) Pieces of Wood, Logs

Empty _____

15. Is there a complete mesh over the vat?

Yes _____ No ✓

16. Is there a complete roof over the vat?

Yes _____ No ✓

Note (if needed):

17. Describe the "condition" of the chemical shed by indicating true or false.

	True	False
The shed exists		✓
The shed displays clear warning signs		✓
The shed is secure		✓
Chemicals are exposed to the public		✓
Empty chemicals containers are accessible at the site	✓	

Note (if needed): Bottles were found in the vicinity of the CDV. They were thought to be some type of medical bottles.

18. The location of the nearest surface water body (i.e. river, canal, lake, etc.) from the CDV is 1000 feet. In the west direction. If there is no body of water in the vicinity of the CDV, then go to question 23.

19. The distance the CDV to the water body bank is 1000 feet. In the west direction.

20. Does the ground slope continuously down to the water body?

Yes ✓ go to question 25 No _____

21. Which of the following describe the ground surface between the vat and the water body bank:

Does not apply _____

The ground of level (L) _____ Go to question 23.

The ground slopes up to the ground water body (U) _____ Go to question 22.

The ground slopes down to break in slope then up or level (D) _____Go to question 23.

22. Is there a break in slope within 300 feet down slope of the vat?

Yes _____ Go to question 23 No _____ Go to question 25.

23. The distance from CDV to the break in slope is _____ feet. Go to question 26.

24. The general slope to the water body bank is _____ % direction _____

25. The general slope to 300 feet down slope from the vat is ___There is a 5' elevation difference between the vat and stream.

26. The general slope to the break in slope is ___5 degrees

27. Was / Is there a residence within 1000 feet of the dip pen?

Yes _____ No ✓

28. Is there an Investigative Remedial Action Plan developed or conducted for the site.

a. Sampling Conducted Yes _____ No ✓ Planned _____

b. Removal Conducted Yes _____ No ✓ Planned _____

c. Onsite Treatment Conducted Yes _____ No ✓ Planned _____

ADDITIONAL COMMENTS:

There are four wells located within 900 feet of the Cattle Dipping Vat (CDV). One is approximately 7' west of the CDV, this well was sampled by Foster Wheeler. A hand pump well is located approximately 900' from the CDV and may be used by the park visitors, this well was sampled by the Dept. of Health. A third well is located approximately 300 feet from the CDV. Another well, owned by the Water Management, is located near the vat and is used for monitoring. This wells ID is ROMP 19ES and is screened in the surficial aquifer (6' diameter, 34.5' deep).

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Jay Koch, Environmental Specialist (Name/Title) — January 9, 2002 (Date)

Florida Department of Environmental Protection — 850-488-3935 (Phone)

2600 Blairstone Road

Tallahassee, FL 32399-2400

jay.koch@dep.state.fl.us (E-Mail Address)

Site Name: Carlton Reserve CDV

Previous Names (if any): None

Site Location: Carlton Memorial Reserve, south of County Road 72 (Street)

Sarasota County (City), FL (ST) _____ (Zip)

Latitude: 27° 10' 23" North **Longitude:** 82° 15' 12" West

Complete the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?		X
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?		X
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?		X
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?		X
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?		X
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?		X
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?		X
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?		X

Please explain all "yes" answer(s), attach additional sheets if necessary: _____

Site Determination:

[ ] Enter the site into CERCLIS. Further assessment is recommended (explain below).

[X] The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE: The cattle dip vat (CDV) is located within Carlton Reserve, a nature preserve owned by Sarasota County. The vat was reported to FDEP by John Ryan, with the Sarasota County Environmental Department. The property was previously owned by the MacArthur Foundation. Records indicate that the vat was built sometime between 1917 and 1922. At that time the property was registered under the name Woodward. The cattle operation, however, was being run by the Hollingsworth Brothers, who were leasing the land. The County would like to keep the cattle dip vat in place, as a display to the general public, but has concerns about potential health hazards. The County requested that FDEP test the soil and groundwater around the vat to determine whether or not contaminants were present.

CDVs were once required by federal law to assist in the eradication of ticks infecting range cattle. There are an estimated 3,500 CDVs in Florida, almost all being dormant, buried or destroyed. However, the chemicals used in the CDV may continue to be present around the vat. Chemicals used include arsenic, DDT, toxaphene, and gamma-chlordane

The vat is located in a rural area. The structure of the vat is still in place, although thick grass and weeds have grown around it. A hand-pump well is located approximately 900 feet from the vat and may be used by visitors to the park. The Health Department sampled this well in December 2001. The results have not been received yet. Two abandoned wells are located much closer to the vat; one within five feet, which was probably used to mix the arsenic dip. The other well is approximately 300 feet west of the vat. A fourth well, a water management district monitor well, is located approximately 100 feet southwest of the vat and is part of the potable wellfield on the property. The well I.D. is ROMP 19ES and it is screened in the surficial aquifer (6" diameter, 34.5' deep).

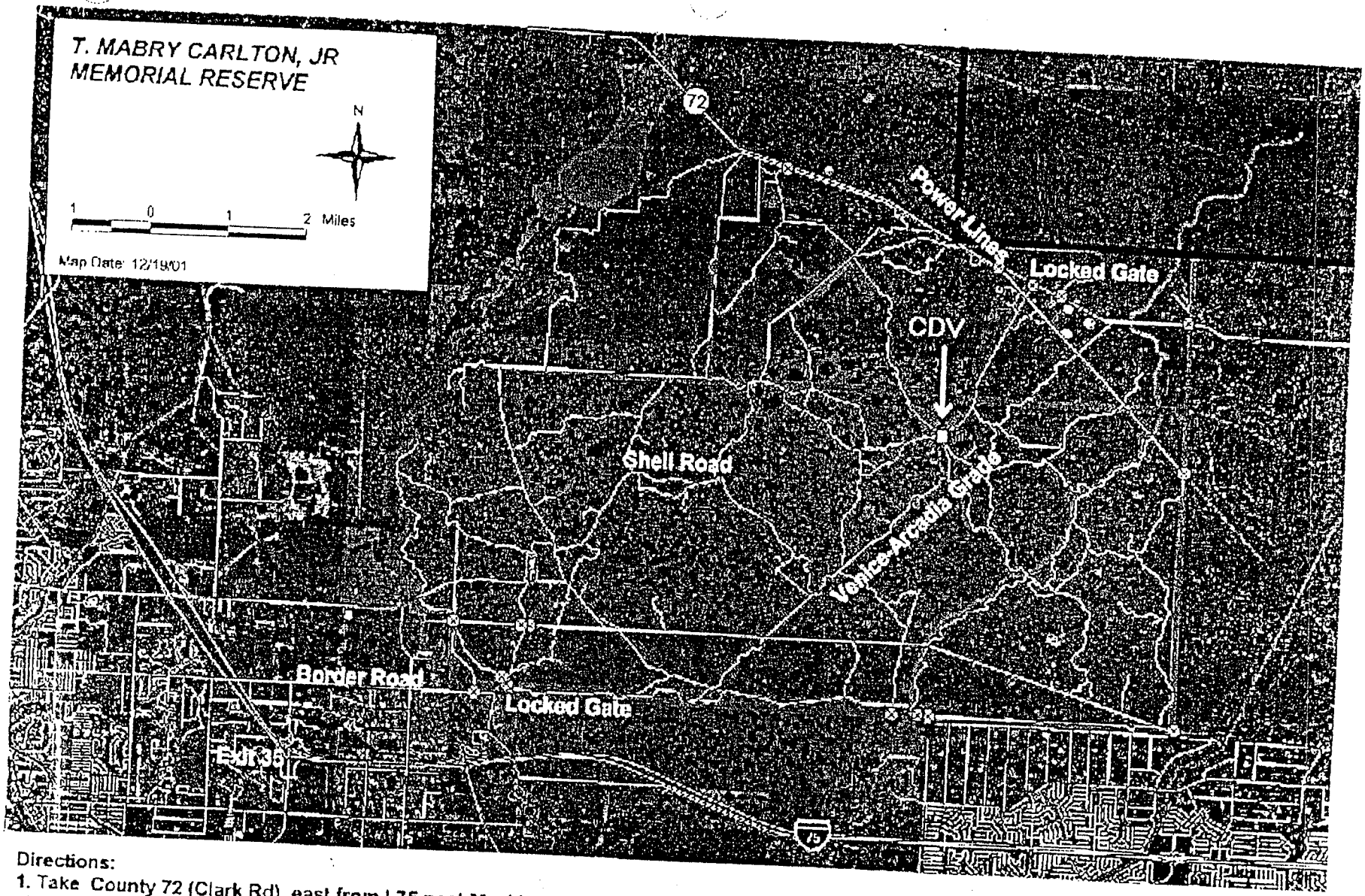
The site is located in a nature preserve and no one lives within a 1-mile radius of the site. Large sections of the nature preserve are classified as wetlands. The nature preserve is home to several bird species, including the snowy egret, the great egret, and the little blue heron. The Florida panther has also been obesrved on the property.

To date, no groundwater or soil samples have been collected in the immediate vicinity of the CDV. Based on the potential health threat to the public and ecological concerns, it is recommended that the site be included in EPA's CDV assessment pilot program. The site should not added to the CERCLIS inventory until EPA develops a policy or directive for adding CDV sites to CERCLIS.

Regional EPA Reviewer: _____ _____
Print Name/Signature Date

State Agency/Tribe: Jay Koch Jay Koch 1/11/02
Print Name/Signature Date

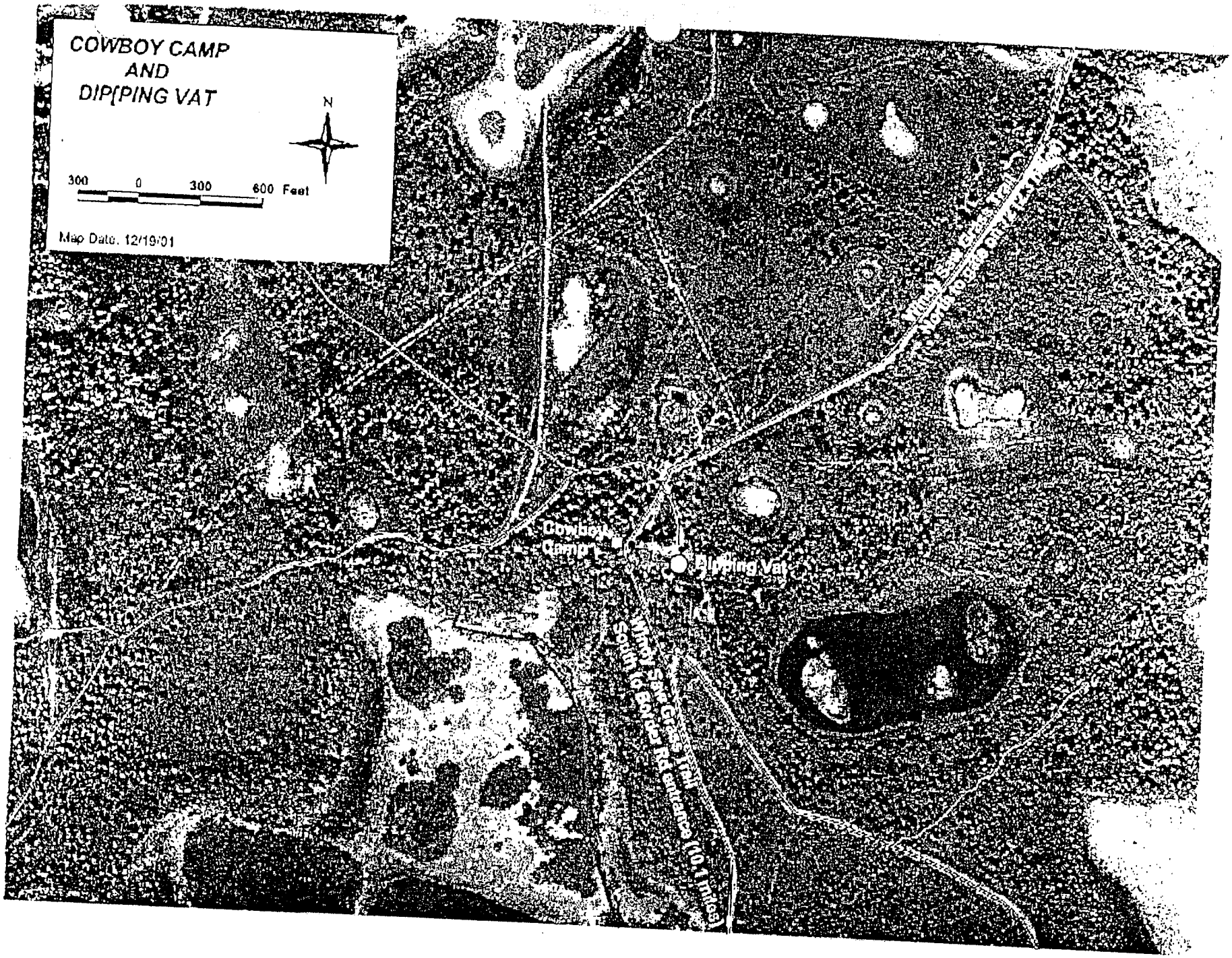
CARLTON RESERVE CDV



Directions:

1. Take County 72 (Clark Rd) east from I-75 past Myakka River State Park to Windy Sawgrass Gate (not marked) but is about 0.5 miles after crossing under power lines. Take trail south to Cowboy Camp about 2.3 miles.)Gate is locked, need key)

2. Take I-75 South to exit 35 (Jacaranda Blvd), go north to Border Rd, go east to Carlton Pkwy, go north to water plant, take Shell Rd to Venice Arcadia Grade, go north to cowboy camp (about 10.1 miles from entering CMR at Border Rd.)

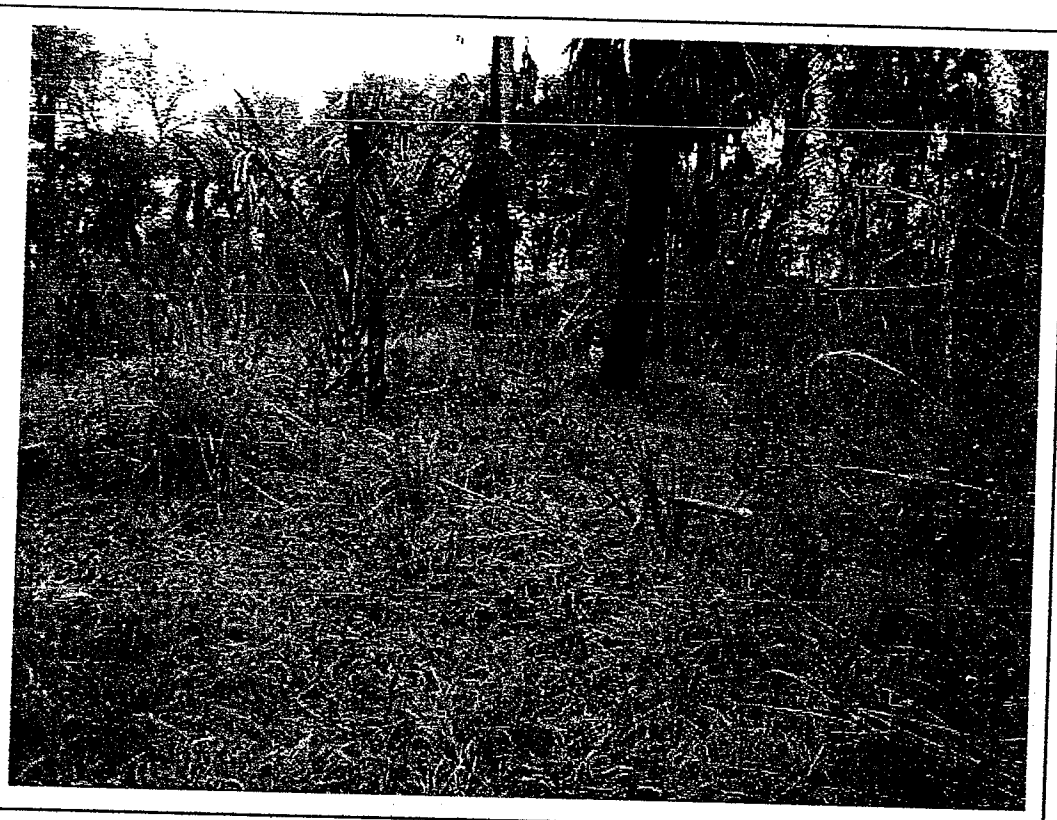

COWBOY CAMP
AND
DIP(PING VAT
N
300 0 300 600 Feet
Map Date: 12/19/01
Cowboy Camp
Dipping Vat

APPENDIX B

SITE PHOTOGRAPHS

Looking southeast at the CDV and the denuded area

Looking southeast at the CDV and the denuded area.



Looking south-southeast at the well in foreground and CDV.

Looking at the fencing that surrounds the CDV.

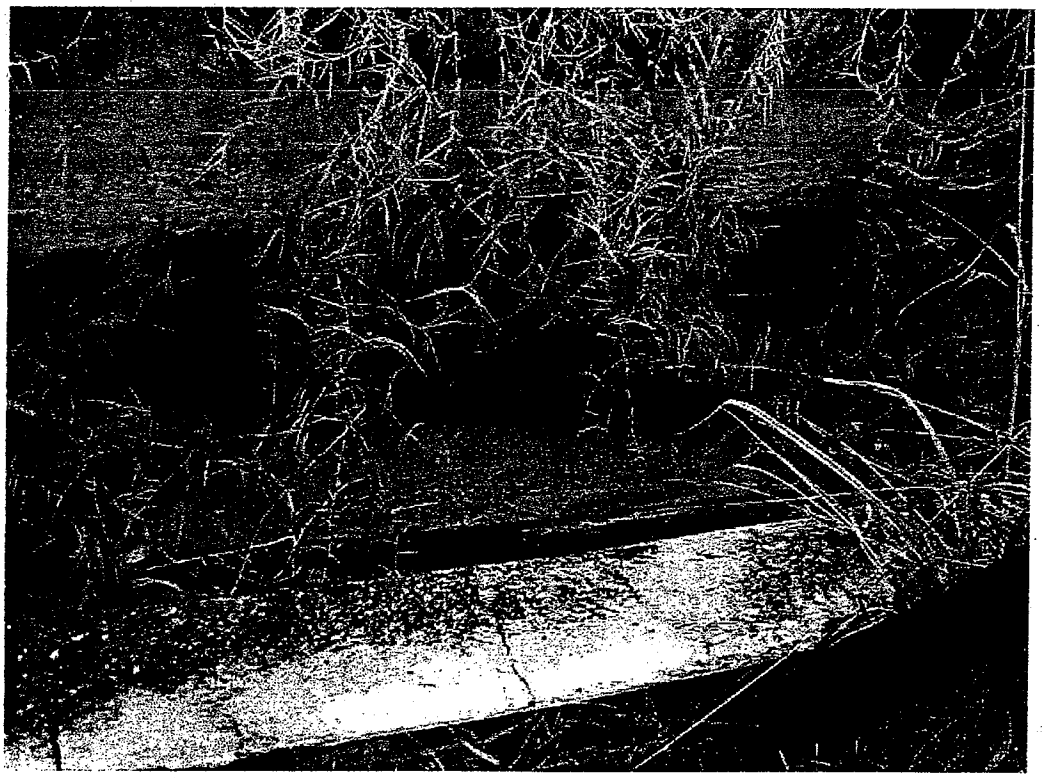
Looking at the CDV and the remaining fencing.

Looking south at the CDV.

Looking north at the CDV. The red pin flag denotes SB-02 location.

Looking at the bottles that are located within the immediate area of the vat.

Looking at the fence surrounding the CDV.



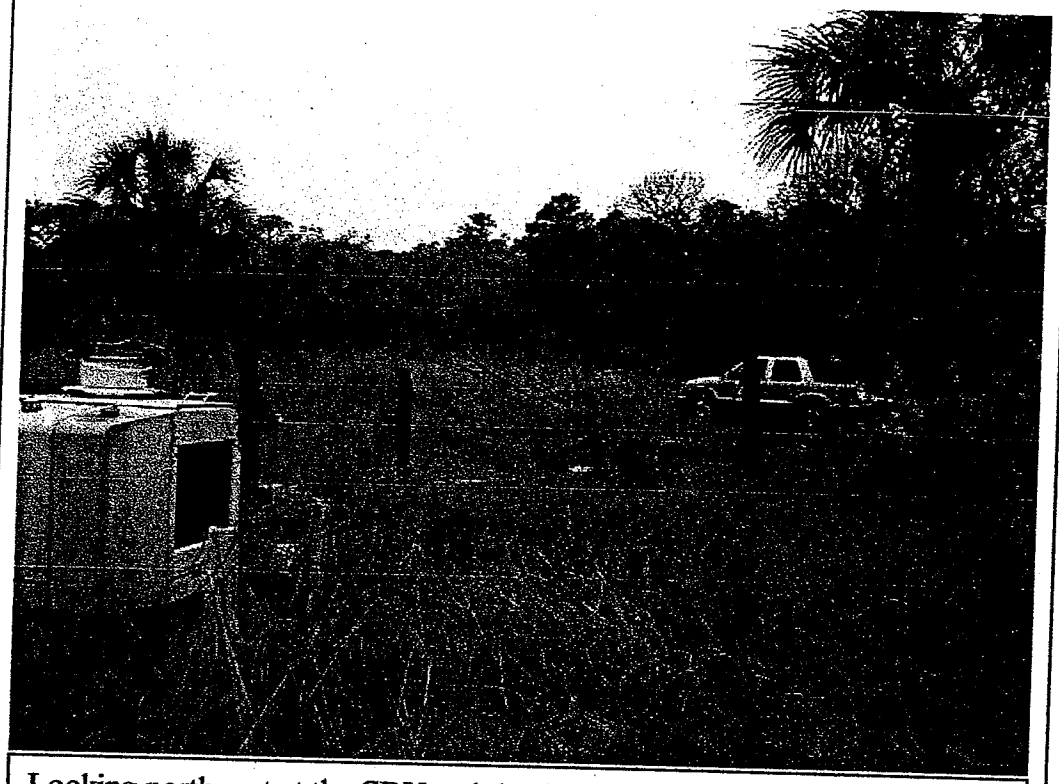
Looking at the vat contents.

Looking south-southeast at the CDV and the denuded area. The red pin flag on the right denotes SB-05 location and the red pin flag on the left denotes SB-01/ DP-01 location.

Looking south-southeast at the CDV and the surrounding fencing. The red pin flag denotes SB-04/ DP-02 location.

Looking east at the CDV. The red pin flag on the far right denotes SB-02 location, the pin flag on the right of the tree denotes SB-03 location, and the pin flag on the left denotes SB-04/ DP-02 location.

Looking northwest at the CDV, the denuded area in the background. Direct-Push location DP-02.



Looking northwest at the CDV and the denuded area in the background.

Looking west at the CDV.

Looking west at Direct Push Location SB-04/ DP-02.

Looking at the fencing surrounding the CDV.

Looking southwest at the fencing surrounding the CDV.

Looking south at the CDV location.

APPENDIX C
LITHOLOGIC BORING LOGS / FIELD NOTES

FOSTER WHEELER ENVIRONMENTAL CORPORATION
SOIL BORING LITHOLOGIC LOG

SITE:	Carlton Reserve	TOP OF CASING ELEVATION:			ft.
MONITOR WELL / BORING ID:	DP-01	COMPLETED WELL DEPTH: (ft btoc)			ft.
CONSULTING FIRM:	Foster Wheeler	SURFACE CASING:	NA	from:	to:
DRILLING FIRM:	Precision Drilling	WELL CASING:	(ft btoc)	from:	to:
LOGGED BY:	Cheri Hughes	type:		dia:	in
DATE(S):	01/22/02	SCREEN:	(ft btoc)	from:	to:
DRILLING METHOD:	Direct Push	type:		dia:	in
BOREHOLE DIAMETER:	2-inch	slot size:			
DEPTH TO WATER:	approx. 3 ft bgs	ANNULAR FILL	(ft btoc)	from:	to:
TOTAL BORING DEPTH:	9 ft bgs	type:		from:	to:

DEPTH (ft bgs)	SAMPLE INTERVAL (ft bgs)	PERCENT RECOVERY	USCS CODE	MATERIAL DESCRIPTION
0	0-2'		SP	SAND, gray (10YR 6/1), fine-grained quartz, well-sorted,some roots and organic matter
1				
2	2-4'		SP	SAME AS ABOVE, except color changes dark gray (10YR 4/1), no organic matter, wet @ 3 feet
3				
4	4-8'		SM	SILTY SAND, dark brown (10YR 3/3), 70% fine grained quartz sand, 30% silt, wet
5				
6			SM	
7				
8	8-9'		SM	SAME AS ABOVE
9				

SARASOTA COUNTY
"Dedicated to Quality Service"

Dennis Ellison
Park Attendent

COMMUNITY SERVICES
Parks & Recreation - Carlton Reserve
1800 Mabry Carlton Parkway, Venice, FL 34292
941-915-1183
Tel: 941-486-2547 Fax: 941-486-2551
www.sarasotacounty.org

Cut or Fill

0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4
1	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9

SARASOTA COUNTY
"Dedicated to Quality Service"

Chris Meyer
Environmental Specialist I

ENVIRONMENTAL SERVICES
Air & Water Quality Protection
2817 Cattlemen Road, Sarasota, FL 34232
cmeyer@co.sarasota.fl.us
Tel: 941-378-6128 Fax: 941-378-6563
www.sarasotacounty.org

20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4

Carlton Reserve
Windy Sawgrass Trail
Sarasota County, FL.

John Ryan
Jeff Weber
Chris Meyer
#941.378.6128
Sarasota County Enviro. Services

Rick Stursberg
[Dennis]
Ellison
Cell #941.915.1183
Wk #941.486.2547
Sarasota County Parks + Recs.

The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

CONTENTS

PAGE NO.	REFERENCE	DATE

Carlton Reserve Tue 1/22/02 (1)

"CS" = Nomenclature for Carlton Reserve Samples.

800 Chuck Hughes] FWENC
Greg Salamone
Scott Hague
Valentine Florez] Precision
* Dennis Ellison (Sarasota Cty. Parks) takes us to CDV, ≈ 10 miles from entrance of preserve, off of Jacaranda Blvd.

905 Arrive @ CDV location

915 Dennis off site.

Calibrate Equipment and mark out location.
Horiba U-22
Prop. of FW
4.00 pH = 4.00
4.49 µS/cm = 4.5
Orp = Ø

930 Equip blank from screen
CSGW01-E

CH

Carlton Res Tue 1/22/02

★ Used Publix distilled water
s/n# 1/10/02-FF10732

940 Also took Field Blank # CSFB01

950 Took Equip. blank from hand auger # CSSS01-E

Set up on DP-01:

Litho:

Surface - Grass

[0-2'] (SP) Sand, 10YR 6/1 gray, well-sorted, fine grained quartz, some roots and organic matter

[2-4'] SAA, wet @ 3' except color becomes darker 10YR 4/1 dark gray, no organic matter

★ Although wet @ 3' bls, will set screen from 5-9' bls.

CH

[4-8'] (Silty Sand-SM) 10YR 3/3 dark brown, 70% fine grained quartz, 30% silt, wet.

[8-9'] SAA

CH

DP-01:

pH	Cond	Turb	DO	T°	Sal	TDS	ORP
6.7	.57	990	2.1	21.9°	0.37	51	
6.9	.57	990	1.3	22.2°	0	.37	78
6.9	.58	990	1.1	22.2°	0	.37	84

Purged x 25 minutes, turbidity will not clear up. Will take sample.

1025 Took Sample
CSGW0107
CSGW0107-D (dup)

SB-01 is also DP-01, litho (0-2') SA DP-01

1000 Took Sample
CSSS0102
CSSS0102-M
(matrix)

★ See figure on P. 8 for location.

CH

(4) Carlton Res Tue 1/22/02

Set up SB-02, litho same as DP-01 (0-2') - located SW corner of vat.

1010 Took sample CSSS0202 (SB-02) CH

Set up on SB-03, located east side of drip pad, litho SA DP-01 (0-2')

1020 Took Sample CSSS0302 (SB-03) CH

Set up on SB-04, litho SA DP-01 (0-2'), located SE corner of vat

1030 Took Sample CSSS0402 (SB-04) CH

Set up on SB-05 litho SA DP-01 (0-2'), located in bare area, CH west of vat.

Carlton Res Tue 1/22/02 (5)

1040 Took Samples CSSS0502 (SB-05) CSSS0502-D (dup) CH

1045 Chris Meyer from Sarasota County On site. CH

Set up on well ≈ 7' west of vat (2", steel) Tried to remove elbow from well - would not come off. Set up peristaltic + tubing. Tubing went down ≈ 25 feet - could not get down further, not sure if bottom or blockage.

pH	Cond	Turb	DO	T°	Sal	TDS	μV
7.2	1.3	410	4.3	22.5°	0.1	0.9	-182

Alot of sediment and organic matter in purge water - will take sample. Well seems to be corroded. Sulfur-like odor. Not in good condition CH

(6) Carlton Res 1/22/02-Tue

Tubing ≒ 20-25' bls

1130 took sample CSGW0330

1135 Chris Meyer off site

CH

1145 Took sample of water in vat (vat content) CSVC01

★ Could not get sediment from bottom.

Vat is appsix 1/4 full of water.

Vat Water:

pH	Cnd	Turb	DO	T°	Sal	TDS	uV
7.5	.34	24	0.7	19.7	0	.22	-89
7.5	.33	28	0.5	19.7	0	.21	-86

CH

GPS Location of Vat:

Used ScottMaster GPS Prop of FW-Trimble Navigation [7 Satellites]

N 27° 10' 21.7"

W 82° 18' 12.3"

CH

Carlton Res. Tue 1/22/02 (7)

1215 Set up in DP-02 (also SB-04) located ≒ 2½' east of vat and ≒ 5' north of northeast corner of vat.

pH	Cnd	Turb	DO	T°	Sal	TDS	uV
6.7	.91	890	0.0	22.1	0	.58	-101
6.6	.89	900	0.0	22.1	0	.58	-98
6.6	.89	350	0.0	22.3	0	.57	-98

1300 Took Sample CSGW0207

Screen was set from 5-9' (litho SA DP-01) Allowed to purge for 45 minutes, Turb = 350, took sample.

1305 Cleaning up and awaiting Dennis to pick us up.

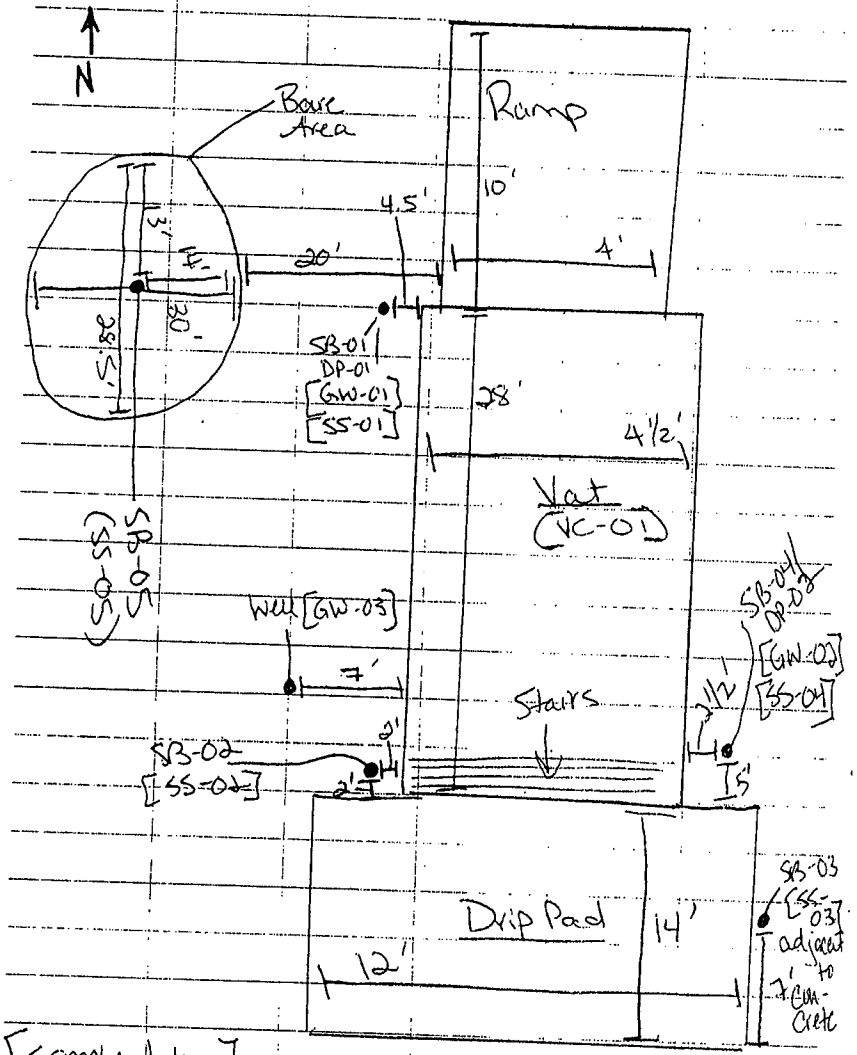
1345 All off-site.

★ Chris Meyer - said hand crank pump, had lots of lead, to get results - Contact, Mike Berry @ Health Dept.

CH

(8)

Carlton Res. Tue 1/22/02



[Sample taken]

* Map Not to Scale

(9)

Carlton Res. Tue 2/26/02

10'5 Spoke to Mike Berry @ Sarasota Health Dept. # 941.378.6133 - he is faxing me any info. on the well which was sampled (results, location, etc.

(51)

Sample Log

W = water
S = soils

Date	Time	Sample ID	Media	Source	... (cont) Analysis
1/22/02	930	CSGW01-E	W	Equip Blk.	8081, 8141, 8270, 7060 (Arsenic) [4-1L Ambers, 1-P. Nalgene 1L w/nitric]
"	940	CSFB01	W	Field Blk.	"
"	950	CSSS01-E	W	Equip Blk.	"
"	1000	CSSS0102	S	SB-01	" [1-glass (5cc), 1-plastic (5cc)]
"	1000	CSSS0102-M	S	SB-01 matrix	"
"	1010	CSSS0202	S	SB-02	"
"	1020	CSSS0302	S	SB-03	"
"	1030	CSSS0402	S	SB-04	"
"	1040	CSSS0502	S	SB-05	"
"	1040	CSSS0502-D	S	SB-05 (dup)	"
"	1025	CSGW0107	W	DP-01	" [4-1L Ambers, 1-Nalgene]
"	1025	CSGW0107-D	W	DP-01 (dup)	"
"	1130	CSGW0320	W	Well	"
"	1145	CSVC01	W	Vat	"
"	1300	CSGW0207	W	DP-02	"

Sent all above 1/23/02 to Jupiter Labs with CSCOC # 02-01

(51)

APPENDIX D
ANALYTICAL DATA

Jupiter
Environmental Laboratories, Inc.

February 28, 2002

Mr. Randy Keyser
Foster Wheeler
759 S. Federal Highway
Stuart, Fl 34994

Dear Mr. Geyser,

With reference to your project, The Carlton Reserve CDV, Log # 6523, Chain of Custody # 's 9188 and 9189, sampled January 22nd, 2002, below please find the following information.

The samples were run on January 25th & 28th with the following QA/QC.

1. One Lab Control Standard (this is a known standard that is not extracted)
2. One Method Blank
3. One Matrix Spike
4. One Matrix Spike Duplicate

A client's duplicate sample and an equipment blank are run. This QC is all method specific and run for every 20 samples.

For Method 8081 we also run decomposition standard ie: the breakdown of Endrin to Endrin Ketone and DDT to DDD. Finally a lab standard is analyzed at the end of the run, to ensure there is no analytical breakdown from the beginning to the end of the run.

All control samples passed laboratory limits. Matrix Spikes and Matrix Spike Duplicates were all within laboratory standards and the Method Blank was BDL (below detection level) for all target compounds.

If you have any further questions, please do not hesitate to call.

Thank you,

Pamela Shore

Quality Assurance Director

220 Venus Street, Suite 16, Jupiter, FL 33458 (561)575-0030 Fax (561)575-4118 jupiterlabs@excite.com

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 1 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For: Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 2 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]nsulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Malathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 3 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
nzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
nzo[a]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 4 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	U	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 5 of 60
Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 6 of 60
Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]sulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Malathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 8 of 60
Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	U	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 9 of 60
Date: 03/01/02
Log # 6523-03

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSSS01-E
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 1 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 2 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]hion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]lathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For: Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 4 of 60
Date: 03/01/02
Log # 6523-01

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW01-E
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	U	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 5 of 60
Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
[illegible]rin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
[illegible]drin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 6 of 60
Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]lathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Benz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
					10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 8 of 60
Date: 03/01/02
Log # 6523-02

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSFB01
Date Sampled: 01/22/01
Date Received: 01/24/02 9:39:49 A
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	U	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 9 of 60
Date: 03/01/02
Log # 6523-03

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSSS01-E
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 10 of 60
Date: 03/01/02
Log # 6523-03

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSSS01-E
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
)thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Malathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-03

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSSS01-E
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
...zo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
...enz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
					10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 12 of 60
Date: 03/01/02
Log # 6523-03

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSSS01-E
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	U	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 13 of 60
Date: 03/01/02
Log # 6523-04

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	2.10	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 14 of 60
Date: 03/01/02
Log # 6523-04

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
)hion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
...athion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-04

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 16 of 60
Date: 03/01/02
Log # 6523-04

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	7.43	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 17 of 60
Date: 03/01/02
Log # 6523-05

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	1.20	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
[illegible]n	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 18 of 60
Date: 03/01/02
Log # 6523-05

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
[illegible]athion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-05

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 20 of 60
Date: 03/01/02
Log # 6523-05

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0107-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	7.24	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 21 of 60
Date: 03/01/02
Log # 6523-06

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0320
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	1.30	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	8.10	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	8.00	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	7.70	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
[illegible]in	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
[illegible]drin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

TO: Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 22 of 60
Date: 03/01/02
Log # 6523-06

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0320
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
athion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 23 of 60
Date: 03/01/02
Log # 6523-06

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0320
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter

Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 24 of 60
Date: 03/01/02
Log # 6523-06

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0320
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	0.031	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 25 of 60
Date: 03/01/02
Log # 6523-07

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0207
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	1.60	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	0.800	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	7.30	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	0.600	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	3.00	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 26 of 60
Date: 03/01/02
Log # 6523-07

Label: CSGW0207
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
)thion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Malathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-07

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0207
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
[illegible]zo[a]Pyrene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
[illegible]enz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 28 of 60
Date: 03/01/02
Log # 6523-07

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSGW0207
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	0.055	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-08

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSVC-01
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-BHC	3.30	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Beta-BHC	37.0	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDD	190	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDE	25.0	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
4,4-DDT	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Alpha-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Gamma-Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Delta-BHC	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Dieldrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan I	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan II	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Aldehyde	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Endrin Ketone	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Methoxychlor	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Total Chlordane	U	µg/L	3510/8081	1	0.004	01/28/02	01/28/02	ED
Toxaphene	U	µg/L	3510/8081	1	0.005	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 30 of 60
Date: 03/01/02
Log # 6523-08

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSVC-01
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Bostar	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Chlorpyrifos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Coumaphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Demeton-S	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Diazinon	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dichlorvos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Dimethoate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Disulfoton	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
EPN	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ethoprop	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fenamiphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Fensulfothion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
ithion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Malathion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Merphos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Mevinphos	U	µg/L	3510/8141	1	2	01/25/02	01/25/02	ED
Monocrotophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Naled	U	µg/L	3510/8141	1	10	01/25/02	01/25/02	ED
Parathion,Ethyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Parathion,Methyl	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Phorate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Ronnel	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Stirophos	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Sulfotep	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
TEPP	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Tokuthion	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED
Trichloronate	U	µg/L	3510/8141	1	1	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 31 of 60
Date: 03/01/02
Log # 6523-08

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSVC-01
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Water	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Acenaphthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluorene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Phenanthrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Anthracene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Fluoranthene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Pyrene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Chrysene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	µg/L	3510/8270	1	0.5	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	µg/L	3510/8270	1	0.2	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	µg/L	3510/8270	1	10	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 32 of 60
Date: 03/01/02
Log # 6523-08

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Water

Label: CSVC-01
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	0.466	mg/L	3010A/200.8	1	0.0028	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 33 of 60
Date: 03/01/02
Log # 6523-09

Label: CSSS0102
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	42000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	51000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	40000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	21000	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-09

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0102
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
[illegible]thion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
[illegible]alathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 35 of 60
Date: 03/01/02
Log # 6523-09

Label: CSSS0102
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 36 of 60
Date: 03/01/02
Log # 6523-09

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0102
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	52.7	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 37 of 60
Date: 03/01/02
Log # 6523-10

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0102-M
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	48000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	55000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	57000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
[illegible]in	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
[illegible]drin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	23000	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-10

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0102-M
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
)thion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
...alathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 39 of 60
Date: 03/01/02
Log # 6523-10

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0102-M
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-10

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0102-M
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	38.4	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 41 of 60
Date: 03/01/02
Log # 6523-11

Label: CSSS0202
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	62000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	65000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	70000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
drin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	18000	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-11

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0202
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
)nthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Malathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 43 of 60
Date: 03/01/02
Log # 6523-11

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0202
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
)zo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 44 of 60
Date: 03/01/02
Log # 6523-11

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0202
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	11.7	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 45 of 60
Date: 03/01/02
Log # 6523-12

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0302
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	300000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	300000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	360000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
drin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
ndrin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	66000	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 46 of 60
Date: 03/01/02
Log # 6523-12

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0302
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Malathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 47 of 60
Date: 03/01/02
Log # 6523-12

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0302
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
)zo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 48 of 60
Date: 03/01/02
Log # 6523-12

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0302
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	146	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 49 of 60
Date: 03/01/02
Log # 6523-13

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0402
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	21000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	19000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	23000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
)rin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
...drin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	4200	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-13

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0402
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
[illegible]thion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
[illegible]alathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 51 of 60
Date: 03/01/02
Log # 6523-13

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0402
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-13

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0402
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	7.75	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 53 of 60
Date: 03/01/02
Log # 6523-14

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	9000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	12000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	17000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
drin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	2800	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-14

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
)thion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Malathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 55 of 60
Date: 03/01/02
Log # 6523-14

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

for Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 56 of 60
Date: 03/01/02
Log # 6523-14

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	5.03	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 57 of 60
Date: 03/01/02
Log # 6523-15

Label: CSSS0502-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

EPA Method 8081 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Aldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Beta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Bhc (Lindane)	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDD	8000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDE	11000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
4,4-DDT	18000	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Alpha-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Gamma-Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Delta-BHC	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Dieldrin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan I	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan II	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endosulfan Sulfate	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
drin	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
ndrin Aldehyde	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Endrin Ketone	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Heptachlor Epoxide	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Methoxychlor	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Total Chlordane	U	ug/kg	3545/8081	1000	100	01/28/02	01/28/02	ED
Toxaphene	2800	ug/kg	3545/8081	1000	300	01/28/02	01/28/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Date: 03/01/02
Log # 6523-15

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8141 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Azinphos,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Bostar	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Chlorpyrifos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Coumaphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Demeton-S	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Diazinon	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dichlorvos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Dimethoate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Disulfoton	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
EPN	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ethoprop	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fenamiphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Fensulfothion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
nthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
alathion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Merphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Mevinphos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Monocrotophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Naled	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Ethyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Parathion,Methyl	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Phorate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Ronnel	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Stirophos	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Sulfotep	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
TEPP	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Tokuthion	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED
Trichloronate	U	mg/kg	3545/8141	1	0.033	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 59 of 60
Date: 03/01/02
Log # 6523-15

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

EPA Method 8310 in Soil	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Naphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
2-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
1-Methylnaphthalene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Acenaphthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluorene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Phenanthrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Anthracene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Chrysene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[b]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[k]Fluoranthene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[a]Pyrene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Dibenz[a,h]Anthracene	U	mg/kg	3545/8270	1	0.1	01/25/02	01/25/02	ED
Indeno[1,2,3-cd]Pyrene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED
Benzo[g,h,i]Perylene	U	mg/kg	3545/8270	1	0.3	01/25/02	01/25/02	ED

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

Pam Shore
Quality Assurance Director

Jupiter
Environmental Laboratories, Inc.

Client # 2300
Address: Foster Wheeler
759 S. Federal Highway
Stuart, FL 34994
Attn: Randy Keyser

Page: 60 of 60
Date: 03/01/02
Log # 6523-15

Sample Description: COC # 9188
Project # Cattle Dipping Vats
Location: Carlton Reserve
Matrix: Soil

Label: CSSS0502-D
Date Sampled: 01/22/01
Date Received: 01/22/02 5:10:00 P
Collected By: Client

Arsenic by ICP-MS	Results	Units	Method	Dilution Factor	Detection Limit	Extraction Date	Analysis Date	Analyst
Arsenic	5.34	mg/Kg	3050B/6020B	1	0.14	01/28/02	01/28/02	MH

U = Below Laboratory Detection Limit

Soil results are reported in dry weight

All Analysis were performed using EPA, ASTM, USGS or Standard Methods.
CompQAP #960152 EPA #FL01040 HRS #E86546
NELAC Certified

Respectfully Submitted,

For Pam Shore
Quality Assurance Director

6523 Jupiter Labs USCOC-0271

CHAIN-OF-CUSTODY RECORD

1545.0074.2000.0030

[redacted]

LABTROL CLIENT No.	BATCH No.	FOR LAB USE ONLY
		Subcontractor
		Shipping Method

CLIENT NAME: Foster Wheeler

CLIENT PROJECT: CDV - ACOE

SAMPLERS: (Signature)

SITE NAME & ADDRESS: Carlton Reserve CDV

#561.781.3401

LAB REPORT GOES TO (Client contact person): Randy Keyser

NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION / NUMBER	SAMPLE MATRIX	NUMBER OF CONTAINERS	IDENTIFY PARAMETERS DESIRED AND NO. OF CONTAINERS: 8081, 8141, 8270	7060 (Arsenic)	N	8081, 8270, 8141	7060 (Arsenic)			Lab I.D. Number
	1/22/02	0930		✓	CSGW01-E	W	5	4	1						
	"	0940		✓	CSFB01	W	5	4	1						
	"	0950		✓	CSSS01-E	W	5	4	1						
	"	1025		✓	CSGW0107	W	5	4	1						
	"	1025		✓	CSGW0107-D	W	5	4	1						
	"	1130		✓	CSGW0320	W	5	4	1						
	"	1300		✓	CSGW0207	W	5	4	1						
	"	1145		✓	CSVE01	W	5	4	1						
	"	1040		✓	CSSS0102	S	2					1	1		
	"	1000		✓	CSSS0102-M	S	2					1	1		Matrix Spike
	"	1010		✓	CSSS0202	S	2					1	1		
	"	1020		✓	CSSS0302	S	2					1	1		
	"	1030		✓	CSSS0402	S	2					1	1		
	"	1040		✓	CSSS0502	S	2					1	1		
	"	1040		✓	CSSS0502-D	S	2					1	1		

PRESERVATION

CF	Chilled-Filtered
SF	Sulfuric-Filtered
NF	Nitric-Filtered
C	Chilled
S	Sulfuric
N	Nitric
B	Basic/NaOH
Z	Zinc
T	Thiosulfate
H	HCL
Ot	Other (see Remarks)

	Date / Time		Date / Time
Precleaned Containers Relinquished by: (Signature)		Received by: (Signature)	1/21/02 800
Relinquished by: (Signature)	1/23/02 1200	Received by: (Signature)	1/23 1710
Relinquished by: (Signature)		Received by: (Signature)	
Relinquished by: (Signature)		Received by: (Signature)	

Remarks and Observations

(5) TO Blanks, 1 in each Cooler

Total of 5 Coolers.

Matrix Types: S Soil or Sediment; WW Wastewater; T Animal Tissue; SW Surface Water; SL Sludge or Solid Waste; MW Marine Water; GW Ground Water

561-203 0122

BAR CODE

Chain of Custody Record

LAB USE ONLY

Jupiter Environmental Laboratories

J.E.L. Log # 2523

P.O. # 037309

Company Name: FOSTER WHEELER

Address: 759 S. FEDERAL HWY #100

City: STUART State: FL Zip: 34994

Sampling Site Address: CARLTON RESERVE CDV

Project Name/Number: 1545-0074-2006.00300 Attn: RANDY KEYSER

Sampler Name/Signature: CLIENT

LAB ANALYSIS

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	Parameters	8081	8141	~~8270~~ 8310	AS	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
1	CSGW01-E	1/22/02	0930	W	5		✓	✓	✓	✓			
2	CSFB01	1/22/02	0940	W	5		✓	✓	✓	✓			
3	CSSS01-E	1/22/02	0950	W	5		✓	✓	✓	✓			
4	CSGW0107	1/22/02	1025	W	5		✓	✓	✓	✓			
5	CSGW0107-D	1/22/02	1025	W	5		✓	✓	✓	✓			
6	CSGW0320	1/22/02	1130	W	5		✓	✓	✓	✓			
7	CSGW0207	1/22/02	1300	W	5		✓	✓	✓	✓			
8	CSV	1/22/02	1145	W	5		✓	✓	✓	✓			
9	CSSS0102	1/22/02	1000	S	2		✓	✓	✓	✓			
10	CSSS0102-M	1/22/02	1000	S	2		✓	✓	✓	✓			MATRIX SPIKE

Matrix Codes*

S Soil Sediment; SOW Solid Waste; GW Ground Water; EFF Effluent; WW Waste Water; DW Drinking Water; SW Surface Water; OL Oil; SL Sludge; O Other (Please Specify)

Pres Codes**

A- none; B- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH

Item	Relinquished by	Date	Time	Received by	Date	Time
				Diana Magrewski	1/23/02	1710

QA/QC level with report

None ___1___2___3___ Other _____

T.A.T. Request

___ Standard

Rush Date Required _____

Temp Control: <4°C

ORIGINAL

Jupiter Environmental Laboratories, Inc.
220 Venus St. Suite 16, Jupiter, FL 33458
(561) 575-0030 • Fax (561) 575-4118

BAR CODE

Chain of Custody Record

LAB USE ONLY

J.E.L. Log # 0523

P.O. # _____

Jupiter Environmental Laboratories

Company Name: FOSTER WHEELER

Address:

City: State: Zip:

Sampling Site Address: CARLTON CDV

Project Name/Number: Attn:

Sampler Name/Signature:

LAB ANALYSIS

Press Codes

Parameters

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code*	# of Cont	8081	8141	~~8270~~ 8310	AS	Field Filtered (Y/N)	Integrity OK (Y/N)	Comments
11	CSSS0202	1/22/02	1010	S	2	✓	✓	✓	✓			
12	CSSS0302	1/22/02	1020	S	2	✓	✓	✓	✓			
13	CSSS0402	1/22/02	1030	S	2	✓	✓	✓	✓			
14	CSSS0502	1/22/02	1040	S	2	✓	✓	✓	✓			
15	CSSS0502D	1/22/02	1040	S	2	✓	✓	✓	✓			
6												
7												
8												
9												
0												

Matrix Codes*

S Soil Sediment; SOW Solid Waste; GW Ground Water; EFF Effluent; WW Waste Water; DW Drinking Water; SW Surface Water; OL Oil; SL Sludge; O Other (Please Specify)

Pres Codes**

A- none; B- HNO_3; C- H_2SO_4; D- NaOH; E- HCl; I- Ice; O- Other; M- MeOH

Item	Relinquished by	Date	Time	Received by	Date	Time
				Diana Magurowski	1/23/02	1710

QA/QC level with report

None ___1___2___3___ Other _____

T.A.T. Request

___ Standard

__ Rush Date Required _____

Temp Control: 4 °C

Jupiter Environmental Laboratories, Inc.
220 Venus St. Suite 16, Jupiter, FL 33458
(561) 575-0030 • Fax (561) 575-4118 • jupiterlabs@excite.com

C.O.C.# 9189

ORIGINAL

SARASOTA COUNTY HEALTH DEPARTMENT
OFFICE OF ENVIRONMENTAL HEALTH SERVICES
1301 Cattlemen Road
Sarasota, FL 34232
(941) 378-6133
SUNCOM 592-6133

DATE: 2/26/02 **TIME:** 1020

TO: Cheri

OFFICE: Foster-Wheeler Environmental

PHONE: 561-781-3472 **SUNCOM:**

FAX: 561-781-3411 **SUNCOM:**

FROM: Michael Berry, Environmental Specialist I

OFFICE: SUPER Act Section

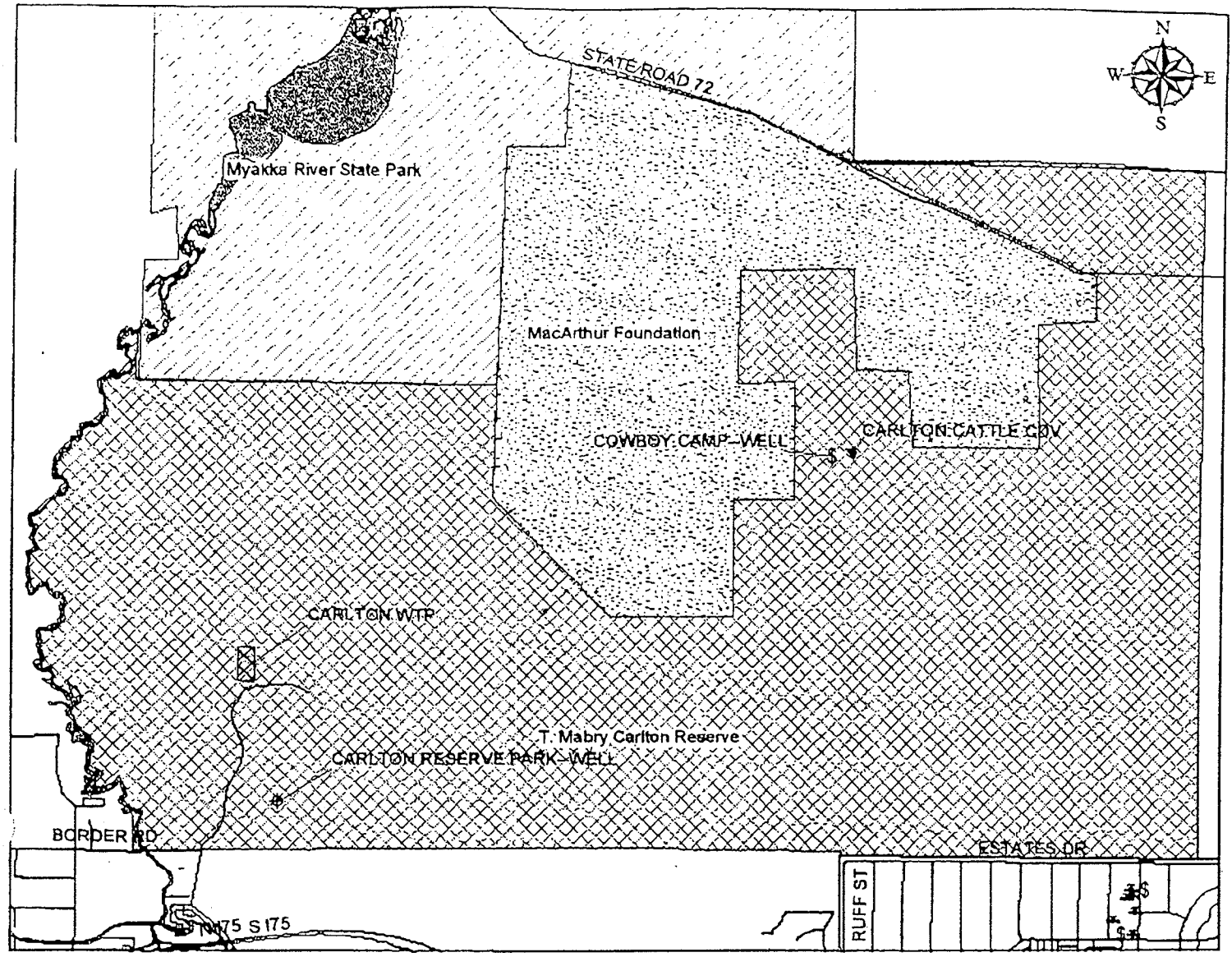
PHONE: (941) 378-6133 **SUNCOM:** 592-6133

FAX: (941) 378-6152 **SUNCOM:** N/A

SUBJECT/COMMENTS: Sample report for hand-pump well near Carlton CDV. Please call if you have any questions.

Mike

This transmission may contain material that is CONFIDENTIAL under Federal and Florida statutes and is intended to be delivered to only the named addressee. Unauthorized use of this information may be a violation of criminal statutes. If this information is received by anyone other than the named addressee, the recipient shall immediately notify the sender at the address or the telephone number above and obtain instruction as to the disposal thereof. Under no circumstances shall this material be shared, retained or copied by anyone other than the named addressee.



Feet

7,250 3,625 0 7,250 14,500 21,750

1:85,000

58CV6
CARLTON CATTLE DIP VAT
CARLTON RESERVE
VENICE, FL

Wells

- Lg Community
- Sm. Community
- Non Community
- Non Transient
- $ 64E-8 Ltd Use
- Private
- Irrigation
- Abandoned
- catvats

Disclaimer: This map is for reference purposes only and is not to be construed as a legal document. Any reliance on the information contained herein is at the user's own risk. The Sarasota Co. Health Dept. and its agents assume no responsibility for any use of the information contained herein or any loss resulting therefrom.

FLORIDA DEPARTMENT OF HEALTH

SARASOTA COUNTY HEALTH DEPARTMENT
OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Jeb Bush
Governor

FLORIDA DEPARTMENT OF HEALTH

John O. Agwunobi, M.D., M.B.A.
Secretary

January 17, 2002

Richard Storsberg
Park Naturalist
Sarasota County Community Svcs
1800 Mabry Carlton Pkwy
Venice, FL 34292

COPY

RE: Well Sampling
FLUWID: AAF1759
Facility: 58CV6

Enclosed are the results for the well at the Carlton Reserve Cowboy Camp. No arsenic or organic contaminants that may indicate contamination by the nearby cattle-dipping vat were identified in the well water. However, lead was present at levels above state and federal safe drinking water standards.

Based on these results, we do not recommend using this well for consumptive purposes. If you wish to pursue using this well for campers, please give us a call so that we can discuss possible causes for this problem and corrective action.

If you have any questions, please do not hesitate to contact us at (941) 378-6133.

Sincerely
OFFICE OF ENVRIONMENTAL HEALTH SERVICES

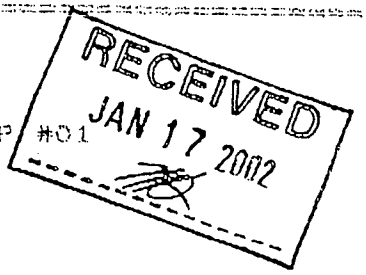
Michael Berry
Environmental Specialist I
SUPER Act Section

MB:mb
Enc.

Cc: Dave Cash, Sarasota Co. Env. Svcs. Business Center, Utilities
Cesar Rodriguez, Sarasota. Co. Env. Svcs. Business Center, Resource Mgt.
John Ryan, Sarasota. Co. Env. Svcs. Business Center, Pollution Control
Jay Koch, Florida Dept. of Environmental Protection, SUPER Fund

JOB ID: SARASOTA-011213-12 FOR SARASOTA COUNTY HEALTH DEPARTMENT

SAMPLE ID: 175529 / 011213-071



Florida Unique Well ID	AAF1759
Sample Description/Comment	COWBOY CAMP-WELL MAP #01
Sample/System Address	CARLTON RESERVE
Sample/System City	VENICE
Sample/System State	FL
Sample/System Zip Code	34292
County Name	SARASOTA
County Code	58
System Code/Well Type	42 - LIMITED USE PUBLIC WATER SYSTEM (64E-8, F.A.C.)
Date Sample Taken	12-DEC-2001 10:45:00.00
Date Received	13-DEC-2001 12:36:00.00
Project ID	CDV-01
Sample Collector	M BERRY
Collector Phone	9C 592-6133
Matrix ID	WATER
Sample Type	FIRST SAMPLE
Treatment/Classification	R - RAW
Contact 1 Type	O - OWNER
Contact 1 Name	SARASOTA CTY COMM SVCS
Contact 1 Mailing Address	1800 MABRY CARLTON PW
Contact 1 City	VENICE
Contact 1 State	FL
Contact 1 Zip Code	34292
Contact 1 Phone 1	941-486-2547
Sample Receipt Temp. (C)	2
Sample Priority	3
Test Schedule	CDV-01
Laboratory Remarks	BOTH AN EPA 525.2 CHLORINATED SAMPLE BOTTLE AND THE ACID BOTTLE RECEIVED BROKEN

		RESULTS	UNITS	QUALIFIERS
ANALYSIS	Organic Compounds / EPA 525.2)			
COMPONENTS	COMMENT	TENTATIVELY IDENTIFIED SEMIVOLATILES DETECTED		
	Date and time extracted	21-DEC-2001 09:25		
	Date and time analyzed	24-DEC-2001 15:07		
	Analyst name	L. SAILERS		
	ISOPHORONE	0.10	ug/L	U
	DICHLORVOS	0.10	ug/L	U
	HEXACHLOROCYCLOPENTADIENE	0.15	ug/L	U
	ETC	0.10	ug/L	U
	MEVINPHOS	0.10	ug/L	U
	BUTYLATE	0.10	ug/L	U
	VERNOLATE	0.10	ug/L	U
	DIMETHYLPHTHALATE	1.0	ug/L	U
	2,4-DINITROTOLUENE	0.10	ug/L	E

JOB ID: SARASOTA-011213-12 FOR SARASOTA COUNTY HEALTH DEPARTMENT

SAMPLE ID: 175539 / 011213-071

ETRIDIAZOLE	0.15	ug/L	U
PEBULATE	0.10	ug/L	U
ACENAPHTHYLENE	0.10	ug/L	U
CHLORNEB	0.10	ug/L	U
TEBUTHIURON	0.14	ug/L	U
MOLINATE	0.10	ug/L	U
DIETHYLPHTHALATE	1.0	ug/L	U
FLUORENE	0.10	ug/L	E
2,4-DINITROTOLUENE	0.10	ug/L	U
PROPACHLOR	0.10	ug/L	E
ETHOPROP	0.10	ug/L	U
CYCLOATE	0.10	ug/L	U
TRIFLURALIN	0.62	ug/L	U
CHLORPROPHAM	0.10	ug/L	U
ALPHA-BHC	0.10	ug/L	U
HEXACHLOROBENZENE (HCB)	0.10	ug/L	U
SIMAZINE	0.26	ug/L	U
ATRAZINE	0.10	ug/L	U
BETA-BHC	0.10	ug/L	E
PROPAZINE	0.10	ug/L	U
LINDANE (G-BHC)	0.10	ug/L	U
PRONAMIDE	0.10	ug/L	U
CHLOROTHALONIL	0.10	ug/L	U
PHENANTHRENE	0.10	ug/L	U
PENTACHLOROPHENOL	0.27	ug/L	U
ANTHRACENE	0.10	ug/L	U
TERBACIL	0.10	ug/L	U
DELTA-BHC	0.10	ug/L	U
ALACHLOR	0.10	ug/L	U
METRIBUZIN	0.10	ug/L	U
SIMETRYN	0.10	ug/L	U
HEPTACHLOR	0.10	ug/L	U
AMETRYN	0.10	ug/L	U
PROMETRYN	0.10	ug/L	U
TERBUTRYN	0.10	ug/L	U
BROMACIL	0.14	ug/L	U
DI-N-BUTYLPHTHALATE	2.0	ug/L	E
METOLACHLOR	0.10	ug/L	U
CHLORPYRIPHOS (DURSBAN)	0.10	ug/L	U
ALDRIN	0.10	ug/L	U
DACTHAL (DCPA)	0.10	ug/L	U
TRIADIMEFON	0.10	ug/L	U
DIPHENAMID	0.10	ug/L	U
MGK 264 - ISOMER A	0.10	ug/L	U
MGK 264 - ISOMER B	0.10	ug/L	U
HEPTACHLOR EPOXIDE	0.11	ug/L	U
A-CHLORDANE	0.10	ug/L	U
STIROFOS	0.10	ug/L	U
BUTACHLOR	0.10	ug/L	U
G-CHLORDANE	0.10	ug/L	U
PYRENE	0.10	ug/L	U
ENDOSULFAN I	0.11	ug/L	U

JOB ID SARASOTA-011213-12 FOR SARASOTA COUNTY HEALTH DEPARTMENT

SAMPLE ID: 175535 / 011213-071

T-NONACHLOR	0.10	ug/L	U
NAPROPAMIDE	0.10	ug/L	U
TRICYCLAZOLE	0.53	ug/L	E
4,4'-DDE	0.10	ug/L	U
DIELDRIN	0.10	ug/L	U
ENDRIN	0.17	ug/L	U
CHLOROBENZILATE	0.10	ug/L	U
ENDOSULFAN II	0.10	ug/L	U
4,4'-DDD	0.10	ug/L	U
ENDRIN ALDEHYDE	0.12	ug/L	U
NORFLURAZON	0.10	ug/L	U
ENDOSULFAN SULFATE	0.10	ug/L	U
BUTYL BENZYL PHTHALATE	2.0	ug/L	E
4,4'-DDT	0.10	ug/L	U
HEXAZINONE	0.10	ug/L	U
METHOXYCHLOR	0.11	ug/L	U
DI(2-ETHYLHEXYL)ADIPATE	2.0	ug/L	U
BENZO(A)ANTHRACENE	0.10	ug/L	U
CHRYSENE	0.10	ug/L	U
DI(2-ETHYLHEXYL)PHTHALATE	2.0	ug/L	U
FENARIMOL	0.11	ug/L	U
CIS-PERMETHRIN	0.19	ug/L	U
TRANS-PERMETHRIN	0.10	ug/L	E
BENZO(B)FLUORANTHENE	0.10	ug/L	U
BENZO(K)FLUORANTHENE	0.10	ug/L	U
BENZO(A)PYRENE	0.068	ug/L	U
FLURIDONE	0.66	ug/L	E
INDENO(1,2,3-CD)PYRENE	0.11	ug/L	U
DIBENZ(A,H)ANTHRACENE	0.10	ug/L	U
BENZO(G,H,I)PERYLENE	0.10	ug/L	U

ANALYSIS:	[Nitrite / EPA 353.2]		
COMPONENTS:	Date and time analyzed	13-DEC-2001 15:16	
	Analyst name	S.Goldiner	
	NITRITE (TOTAL AS N)	0.012	mg/L U
ANALYSIS:	[Nitrate / EPA 353.2]		
COMPONENTS:	Date and time analyzed	13-DEC-2001 15:16	
	Analyst name	S.Goldiner	
	NITRATE (TOTAL AS N)	0.014	mg/L U
ANALYSIS:	[Total Nitrate + Nitrite / EPA 353.2]		
COMPONENTS:	Date and time analyzed	13-DEC-2001 15:16	
	Analyst name	S.Goldiner	
	TOTAL NITRATE+NITRITE	0.014	mg/L U
ANALYSIS:	[Organochloride pesticides and PCB's / EPA 5050]		
COMPONENTS:	COMMENT	SAMPLE EXCEEDED THE ACCEPTED HOLDING TIME FOR THIS ANALYTE AND WAS NOT ANALYZED	

JOB ID: SARASOTA-011213-12 FOR SARASOTA COUNTY HEALTH DEPARTMENT

SAMPLE ID: 175509 / 011213-071

	FOR HEPTACHLOR.		
Date and time analyzed	22-DEC-2001 08:03		
Analyst name	T. KINGSBERRY		
HEXACHLOROCYCLOPENTADIENE	0.031	ug/L	U
HEXACHLOROBENZENE (HCB)	0.021	ug/L	U
LINDANE (g-BHC)	0.0021	ug/L	U
HEPTACHLOR	0.0079	ug/L	S
ALDRIN	0.0014	ug/L	U
HEPTACHLOR EPOXIDE	0.0023	ug/L	U
T-NONACHLOR	0.0019	ug/L	U
DIELDRIN	0.0032	ug/L	U
ENDRIN	0.0048	ug/L	U
C-NONACHLOR	0.0031	ug/L	U
METHOXYCHLOR	0.026	ug/L	U
SIMAZINE	0.26	ug/L	U
ATRAZINE	0.55	ug/L	U
ALACHLOR	0.022	ug/L	U
METOLACHLOR	0.072	ug/L	U,Q
G-CHLORDANE	0.0045	ug/L	U
A-CHLORDANE	0.0016	ug/L	U
CHLORDANE, TECHNICAL	0.42	ug/L	U
TOXAPHENE	0.11	ug/L	U
PCB-AROCHLOR 1016	0.10	ug/L	U,M
PCB-AROCHLOR 1221	0.10	ug/L	U,M
PCB-AROCHLOR 1232	0.10	ug/L	U,M
PCB-AROCHLOR 1242	0.10	ug/L	U,M
PCB-AROCHLOR 1248	0.10	ug/L	U,M
PCB-AROCHLOR 1254	0.10	ug/L	U,M
PCB-AROCHLOR 1260	0.10	ug/L	U,M
TOTAL PCB'S	0.10	ug/L	U,M

ANALYSIS: [Turbidity measurement for metals]

COMPONENTS:		
Date and time analyzed	14-DEC-2001 07:40	
Analyst name	V. BOGINA	
Digestion Required?	TRUE	

ANALYSIS: [Purgeable organics / EPA 524.2]

COMPONENTS:			
Date and time analyzed	19-DEC-2001 14:22		
Analyst name	D. HARPER		
DICHLORODIFLUOROMETHANE	0.22	ug/L	U
CHLOROMETHANE	0.27	ug/L	U
VINYL CHLORIDE	0.25	ug/L	U
BROMOMETHANE	0.23	ug/L	E
CHLOROETHANE	0.32	ug/L	U
TRICHLOROFLUOROMETHANE	0.29	ug/L	U
1,1-DICHLOROETHYLENE	0.30	ug/L	U
DICHLOROMETHANE (METHYLENE CHLOR	0.28	ug/L	U
T-1,2-DICHLOROETHYLENE	0.20	ug/L	U
METHYL-TERT-BUTYL-ETHER (MTBE)	0.17	ug/L	U
1,1-DICHLOROETHANE	0.24	ug/L	U
C-1,2-DICHLOROETHYLENE	0.20	ug/L	U
BROMOCHLOROMETHANE	0.15	ug/L	U

JOB ID: SARASOTA-011213-12 FOR SARASOTA COUNTY HEALTH DEPARTMENT

MPLE ID: 175539 / 011213-071

2,2-DICHLOROPROPANE	0.36	ug/L	U
1,2-DICHLOROETHANE	0.21	ug/L	U
1,1,1-TRICHLOROETHANE	0.24	ug/L	U
1,1-DICHLOROPROPENE	0.25	ug/L	U
CARBON TETRACHLORIDE	0.22	ug/L	U
BENZENE	0.20	ug/L	U
DIBROMOMETHANE	0.22	ug/L	U
1,2-DICHLOROPROPANE	0.19	ug/L	U
TRICHLOROETHYLENE	0.20	ug/L	U
C-1,3-DICHLOROPROPYLENE	0.17	ug/L	U
T-1,3-DICHLOROPROPYLENE	0.26	ug/L	U
1,1,2-TRICHLOROETHANE	0.16	ug/L	U
TOLUENE	0.19	ug/L	U
1,3-DICHLOROPROPANE	0.13	ug/L	U
ETHYLENE DIBROMIDE (EDB)	0.12	ug/L	U
TETRACHLOROETHYLENE	0.15	ug/L	U
1,1,1,2-TETRACHLOROETHANE	0.11	ug/L	U
MONOCHLOROBENZENE	0.12	ug/L	U
ETHYLBENZENE	0.16	ug/L	U
STYRENE	0.16	ug/L	U
1,1,2,2-TETRACHLOROETHANE	0.11	ug/L	U
1,2,3-TRICHLOROPROPANE	0.20	ug/L	U
ISOPROPYLBENZENE (CUMENE)	0.15	ug/L	U
BROMOBENZENE	0.12	ug/L	U
N-PROPYLBENZENE	0.16	ug/L	U
O-CHLOROTOLUENE	0.12	ug/L	U
P-CHLOROTOLUENE	0.12	ug/L	U
1,3,5-TRIMETHYLBENZENE	0.13	ug/L	U
TERT-BUTYLBENZENE	0.14	ug/L	U
1,2,4-TRIMETHYLBENZENE	0.13	ug/L	U
SEC-BUTYLBENZENE	0.15	ug/L	U
M-DICHLOROBENZENE	0.12	ug/L	U
P-DICHLOROBENZENE	0.24	ug/L	U
4-ISOPROPYLTOLUENE (P-CYMENE)	0.15	ug/L	U
O-DICHLOROBENZENE	0.11	ug/L	U
N-BUTYLBENZENE	0.16	ug/L	U
DIBROMOCHLOROPROPANE (DBCP)	0.30	ug/L	U
1,2,4-TRICHLOROBENZENE	0.10	ug/L	U
NAPHTHALENE	0.10	ug/L	U
HEXACHLOROBUTADIENE	0.14	ug/L	U
1,2,3-TRICHLOROBENZENE	0.10	ug/L	U
M,P XYLENES	0.15	ug/L	U
O-XYLENE	0.21	ug/L	U
XYLENES (TOTAL)	0.15	ug/L	U
CHLOROFORM (THM)	0.24	ug/L	U
BROMODICHLOROMETHANE (THM)	0.17	ug/L	U
DIBROMOCHLOROMETHANE (THM)	0.17	ug/L	U
BROMOFORM (THM)	0.26	ug/L	U
THMS (TOTAL)	0.17	ug/L	U

ANALYSIS: Mercury ICPMS Metals / EPA 200.8J
OMPONENTS: Date and time analyzed 24-DEC-2001 11:00

JOB ID: SARASOTA-011213-12 FOR SARASOTA COUNTY HEALTH DEPARTMENT

SAMPLE ID: 175539 / 011213-071

	Analyst name	L. BLACKWELL	
	BERYLLIUM	0.00015 mg/L	U
	CHROMIUM	0.00081 mg/L	I
	NICKEL	0.0011 mg/L	
	ARSENIC	0.00073 mg/L	I
	SELENIUM	0.0018 mg/L	
	CADMIUM	0.0038 mg/L	
	ANTIMONY	0.00010 mg/L	U
	MERCURY	0.000020 mg/L	U
	THALLIUM	0.00019 mg/L	U
	LEAD	0.076 mg/L	C
ANALYSIS:	[Primary ICP Metals / EPA 200.7]		
COMPONENTS:	Date and time analyzed	21-DEC-2001 10:00	
	Analyst name	Y. PATEL	
	BARIUM	0.014 mg/L	
	SODIUM	100 mg/L	

Result Qualifier Key:

U - Analyte not detected; result reported is the MDL, if applicable.
C - Analyte not detected; quality control out of range; result is the MDL.
F - Analyte not screened; result value is the MDL.
N - Method not approved for this analyte; result for informational purposes on
M - Method approved only as a screen for this analyte.
I - Approximate result between MDL and PQL; supporting evidence for identity.
* - Result exceeds Maximum Contaminant Level as in Chap. 62-550 or 520, F.A.C.

CMR CDV

photos taken by: Chris Meyer
SCAWQP