

**LIMITED SOILS INVESTIGATION
FOR 2,216 ACRE PROPERTY,
SOUTH OF BUCKEYE ROAD,
WEST OF U.S. HIGHWAY 301,
PARRISH,
MANATEE COUNTY, FLORIDA**



Ardaman & Associates, Inc.

OFFICES

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West Palm Beach, 2511 Westgate Avenue, Suite 10, West Palm Beach, Florida 33409, Phone (561) 687-8200

MEMBERS:

A.S.F.E.
American Concrete Institute
American Society for Testing and Materials
Florida Institute of Consulting Engineers



Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

January 10, 2006
File No. 05-8550

TO: Hecht Manatee Properties, Ltd.
401 NW 38th Court
Miami FL 33126

Attention: Fred Havernick

SUBJECT: Limited Soils Investigation for 2,216 Acre Property, South of Buckeye Road, West
of U.S. Highway 301, Parrish, Manatee County, Florida

Dear Mr. Havernick:

As requested, Ardaman & Associates, Inc. has completed limited soils investigation at the above referenced site. This report will document the results of our field investigation and analysis. As you are aware, a Phase I Assessment of the property was conducted as detailed in Ardaman & Associates, Inc. report dated November 9, 2005. The conclusions of that report were as follows:

"Based on the information gathered, the following areas of environmental interest or concern were identified.

- **The subject property has been utilized for 50+ years for agricultural purposes including improved pasture and row crops. As a result of that usage, herbicides, pesticides and fertilizers have been applied to the site. We have no reason to believe that such products were used in concentrations other than those recommended by manufacturers or those which were typical for the area. Nevertheless, investigation of the agricultural fields could reveal concentrations of agricultural chemicals in unknown concentration levels. Additionally, Arsenic is present in fertilizers and is utilized in many herbicides and pesticides. Of particular concern would be the potential for accumulation of Arsenic in the surficial soils.**
- **A number of well heads were identified on the property. The potential exists for accumulation of agricultural chemicals in the soils at these locations as a result of concentrated or repeated spills during the storage or mixing process.**

- A number of storage or activity areas were identified on the site where equipment maintenance is conducted, where waste products are accumulated and stored and where derelict vehicles have been abandoned. The potential exists for impact to soils and groundwater at these locations as a result of inappropriate discharges.
- Two (2) cattle pen locations were identified on the site. While one is a recent addition to the property and is not assumed to be of significant concern, a cattle pen was located at the south central portion of the site for a number of years. A treatment chute is present in the area. The potential exists for accumulation of pesticides in the soils as result of application to cattle in this area.
- A number of petroleum storage tanks are present on the property and additional tanks are known to have been located on the site. Furthermore, previous investigation of the property has revealed some petroleum impacts associated with the former tanks.

A Phase I and Phase II Investigation of the property was previously conducted by Ardaman & Associates, Inc. between the years 1996 and 1998. While no significant environmental concerns were identified with regard to well heads and agricultural chemical contamination at these locations, some limited petroleum impacts were identified at the locations of the former tanks. No evidence of remediation of those areas was observed in regulatory files. Additionally, current regulatory standards with regard to soil and groundwater cleanup target levels were not in place at that time and therefore, no investigation as to the potential for Arsenic in the soils was conducted on the site. No investigation of the cattle pen was conducted during the prior assessments.

Recommendations

Ardaman & Associates, Inc. recommends further investigation as to the environmental condition of the subject property. Specifically with regard to the known areas of former petroleum impacts, the location of current mixing and storage areas, with regard to Arsenic throughout the property and in the vicinity of the cattle pen in the south central portion of the site."



In order to address the potential concern associated with the presence of Arsenic in the soils, twenty (20) soil samples were collected specifically for analysis in the laboratory for total Arsenic content. Soil Samples SS-V1 through SS-V14 were collected at various locations throughout the field and in the activity areas on the property. Soil Sample SS-WT1, SS-WT2 and SS-WT9 were collected near wellheads where wells and tanks are located. Soil Sample SS-WTAM-4 was collected at a wellhead, tank and maintenance area. Soil Sample C-8 was collected in the cattle pen area and Soil Sample SS-B11 was collected in the burn pile area. Samples were collected utilizing precleaned stainless steel hand augers and samples were collected in the upper 6-inches of soils. Soil samples were transferred to laboratory supplied containers, capped, labeled and packed on ice for transport to PEL Laboratories in Tampa for analysis. Analysis was conducted according to EPA Method 6010 for total Arsenic content. A copy of the chain-of-custody forms and laboratory analysis are included in the Appendix I and Soil Sample locations designated with a SS are shown on the attached Figure 4.

As indicated in the laboratory analysis, Arsenic values ranged from non-detect levels of less than 0.3 milligrams per kilogram (mg/kg) to the highest detected concentration of 1.47 mg/kg at the location of Soil Sample SS-WT2. The Soil Cleanup Target Level (SCTL) for a residential scenario is 2.1 mg/kg. Therefore, all of the twenty (20) discrete soil samples collected on-site for total arsenic content were below the SCTL which is specified by Florida Administrative Code (FAC 62-777).

To address concerns for potential accumulation of agricultural chemicals in the soils at active wellhead locations, composite soil samples were collected at the two (2) active well locations on the site which are identified as CSS-W4 and CSS-W9. Soil samples were collected from the upper 6 inches of soil at five (5) discrete locations around the well and activity area. Samples were then composited in a stainless steel bowl and then samples were transferred to laboratory supplied containers for transport to the laboratory. Soil samples from these two (2) locations were analyzed in the laboratory according to EPA Methods 8141 and 8151 for Organophosphorous pesticides and herbicides, respectively. As indicated in the laboratory analysis, none of the analytes of concern were detected at the reporting limit (RL) as shown in the second to right hand column of the analysis. No exceedances of the SCTL's for residential scenario were identified.

In order to evaluate soils in the vicinity of the historic cattle pen on the site, the Composite Soil Sample CSS-C8 was collected from the chute and cattle pen area where treatment was likely to have occurred. The Composite Soil Sample was submitted to the laboratory for analysis according to EPA Method 8081 for Organochlorine Pesticides. The pesticides 4,4'-DDD, 4,4'-DDE, 4,4'-DDT Endosulfan II and Endosulfan Sulfate were detected at concentrations of 110, 86, 31, 21 and 34 micrograms per kilogram ($\mu\text{g/kg}$) respectively. The SCTL's in a residential scenario for the five (5) constituents respectively are 4200, 2900, 2900, 450,000, 450,000 $\mu\text{g/L}$. Therefore, the detected concentrations fall within the applicable SCTL's as specified by Florida Administrative Code 62-777.

Active petroleum storage tanks remain on the site at locations 1, 2, 4 and 9 on the subject property as depicted in the boxes on Figure 4. Furthermore, a tank remains apparently inactive at location 10 and location 12 is the location of a former tank where petroleum impacts had been identified. Location 3 on Figure 4 is also the location where a significant area of surficially stained soils were



encountered during the Phase I Assessment activities. To evaluate the potential for petroleum impacts in soils at these locations, a series of auger borings and Organic Vapor Analysis (OVA) were conducted. Typically four to six (4 - 6) borings were conducted at the suspect locations. The borings were conducted by first advancing a 3 ½-inch nominal hand auger into the soils to the desired depth and then withdrawing the auger without rotation to facilitate collection of discrete soil samples. Samples were collected at 1-foot intervals relative to the ground surface and borings were conducted to approximately 1 to 2 feet below the groundwater table.

At location 1, which is a wellhead and tank location, a series of four (4) borings were conducted around the tank and pump. All four (4) borings exhibited a weathered petroleum odor from the surface to the groundwater table and below. Groundwater was encountered at 2 feet of depth and the highest organic vapor analyzer reading was 400 parts per million (ppm). The FDEP typically identifies soils with a 10 ppm reading or higher as petroleum impacted and require that soil analytical analysis be conducted to determine weather particular constituents related to the petroleum product are present at concentrations exceeding SCTL's. It appears that the impacted area is relatively small and limited to the immediate vicinity of the tank. Furthermore, the tanks are active at this time and therefore, further impacts could continue until the tanks are removed.

At Location No. 2, weathered petroleum odor was identified in three (3) of the four (4) borings. However, the highest organic vapor reading was 5.2 parts per million indicating very little residual contamination.

At Location No. 3, which was the location of surficially stained soils during the Phase I Assessment, the entire area had been excavated to approximately 2 feet below ground surface in an area measuring approximately 40 feet east to west by 16 feet north to south. Organic Vapor Analysis conducted at this location revealed one (1) positive OVA reading of 10 ppm indicating very little residual impact.

At Activity Area 4 at the most active location on the property, a number of above ground storage tanks are present, one of which is regulated. A single boring near the tractor fueling area revealed a six (6) ppm reading at the -3 foot depth. No significant petroleum impacts were identified at this location. The tank at this location will require proper closure according to Florida Administrative Code when removed from the site.

At Location No. 9, an active pump and tank was present. Four (4) borings conducted at the perimeter of the tank revealed no excessive petroleum vapors.

At Location No. 10, an abandoned tank is present in the field. It does not appear that this tank has been utilized for some time. No net positive OVA readings or odors were identified at this location.

At Location No. 12 along the northern property boundary, a wellhead and tank were identified during the Phase I conducted in 1994 and 1995. That tank is no longer present. However, petroleum impacted soils were identified at this location previously. Therefore, a series of six (6) auger borings were conducted at this location. All borings revealed fill material indicating that some cleanup activities have previously been conducted. However, slightly weathered soils were



Hecht Manatee Properties, Ltd.
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January 10, 2006

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encountered at the 6-foot depth and a maximum OVA reading of 50 parts per million (ppm) was identified at Auger Boring location 6. Therefore, residual petroleum impacts remain at this location. Field notes for all borings and OVA analysis are included in Appendix II.

While limited petroleum impacts identified with organic vapor readings above 10 ppm were identified at Location 1 and 12, the aerial extent of impact does not appear to be significant. It is the recommendation of Ardaman & Associates, Inc. that Pacific Tomato be required to perform appropriate closure activities at all tanks on-site whether they are regulated or not prior to removal from the property. At that time, soil excavation activities may be required at Areas 1 and 12 on the subject property, based on current OVA analysis. Sampling at all tank areas should include both soils and groundwater analytical analysis.


It has been a pleasure to be of assistance to you with this project. No significant levels of agricultural chemicals have been identified at the site and only limited petroleum impacts were identified at two (2) specific locations on the property. Please contact our office if you have any questions concerning this report.

Very truly yours,

Ardaman & Associates, Inc.



Ashby Hoover, P.E.
Project Engineer
Fl. Lic. No. 49942



Gary H. Schmidt, P.E.
Vice President
Fl. Lic. No. 12305

AH/GHS:nh

cc: Bruce Erhardt - Cushman & Wakefield of Florida, Inc.

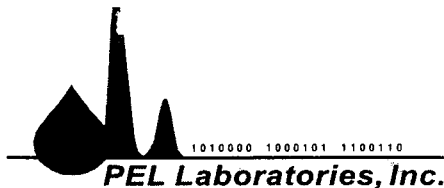


Ardaman & Associates, Inc.

APPENDIX I

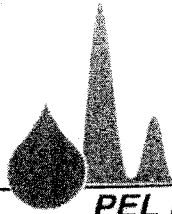
Chain of Custody Record Record/Work Request

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com



Company: <i>Ardaman - Sarasota</i>				Project Name/Number: <i>Hecht / 05-8850</i>				Page <i>1</i> of <i>3</i>																																																																																																																																																																
Address: <i>2500 Bee Ridge Rd</i>				Project Manager: <i>Chip Hoover</i>				DEP Form #: <i>62-770.900(2)</i>																																																																																																																																																																
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Item No.</th> <th rowspan="2">Field ID No.</th> <th colspan="2">Sampled</th> <th rowspan="2">Grab or Composite</th> <th rowspan="2">Matrix (see codes)</th> <th rowspan="2">Number of Containers</th> <th rowspan="2">Asesnic</th> <th colspan="8"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="8"></th> </tr> </thead> <tbody> <tr><td>1</td><td>SS-V1</td><td>12-16-05</td><td>10:31</td><td>Grab</td><td>SO</td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td>SS-V2</td><td></td><td>10:49</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td>SS-V3</td><td></td><td>11:02</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td>SS-V4</td><td></td><td>11:23</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td>SS-V5</td><td></td><td>11:41</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td>SS-V6</td><td></td><td>12:13</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td>SS-V7</td><td></td><td>12:49</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td>SS-V8</td><td></td><td>13:09</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td>SS-V9</td><td></td><td>13:20</td><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>				Item No.	Field ID No.	Sampled		Grab or Composite	Matrix (see codes)	Number of Containers	Asesnic									Date	Time									1	SS-V1	12-16-05	10:31	Grab	SO	1	1								2	SS-V2		10:49			1	1								3	SS-V3		11:02			1	1								4	SS-V4		11:23			1	1								5	SS-V5		11:41			1	1								6	SS-V6		12:13			1	1								7	SS-V7		12:49			1	1								8	SS-V8		13:09			1	1								9	SS-V9		13:20			1	1								Project Name:			
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4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com



1010000 1000101 1100110

PEL Laboratories, Inc.



Florida Department of Health #E84207

July 1, 2005 - June 30, 2006

CWA - Extractable Organics, General Chemistry, Metals,

Pesticides-herbicides-PCB's, Volatile Organics

RCRA/CERCLS - Extractable Organics, General Chemistry, Metals

Pesticides-Herbicides-PCB's, Volatile Organics

- CERTIFICATE OF ANALYSIS -

Report Date: 12/27/2005

To: Chip Hoover
Ardaman & Associates
2500 Bee Ridge Road
Sarasota, FL 34239
USA

W 941-922-3526
F 941-922-6743

PROJECT ID: Hecht /05-8850
WORK ORDER: 2502825
DATE RECEIVED: Tuesday, December 20, 2005

Project Notes:

(†): Short Hold Time Analysis Date

Samples reported on dry weight basis

PEL Contact: Mark Gudnason / extension: 242

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

PEL Laboratories, Inc.

DATA QUALIFIER CODES

State of Florida, Department of Environmental Protection and
Department of Health Rehabilitative Services / NELAC

- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J** Estimated value; value not accurate. This code shall be used in the following instances:
1. Surrogate recovery limits have been exceeded.
 2. No known quality control criteria exists for the component.
 3. The reported value failed to meet the established quality control criteria for either precision or accuracy.
 4. The sample matrix interfered with the ability to make an accurate determination.
 5. The data is questionable because of improper laboratory or field protocols (e.g. composite sample was collected instead of a grab sample).
- L** Off-scale high. Actual value is known to be greater than the value given. To be used when the concentration of the analyte is above the acceptable limit for quantitation (exceeds the linear range of the highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- Q** Sample held beyond acceptable holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for the sample preparation or analysis.
- U** Indicates that the compound was analyzed for but not detected. This shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory reporting limit. Unless requested by the client, values less than the reporting limit shall not be
- V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: The value in the blank shall not be subtracted from associated samples.
- Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
-

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282501

Client ID : SS-V1

Matrix : S

Collection Information:

Sample Date: 12/16/2005 10:31:00 AM

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.362	12/23/2005 13:34	12/21/2005 15:23	MG/KG	0.104	0.306	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282502

Collection Information:

Sample Date: 12/16/2005 10:49:00 AM

ND = Non Detect

Client ID : SS-V2

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.389 ND	12/23/2005 16:51	12/21/2005 15:23	MG/KG	0.132	0.389	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282503

Collection Information:

Client ID : SS-V3

Sample Date: 12/16/2005 11:02:00 AM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.554	12/23/2005 16:56	12/21/2005 15:23	MG/KG	0.119	0.35	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282504

Collection Information:

Sample Date: 12/16/2005 11:23:00 AM

ND = Non Detect

Client ID : SS-V4

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.352 ND	12/23/2005 17:00	12/21/2005 15:23	MG/KG	0.12	0.352	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282505

Collection Information:

Sample Date: 12/16/2005 11:41:00 AM

ND = Non Detect

Client ID : SS-V5

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.641	12/23/2005 17:04	12/21/2005 15:23	MG/KG	0.131	0.385	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282506

Collection Information:

Client ID : SS-V6

Sample Date: 12/16/2005 12:18:00 PM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.287 ND	12/23/2005 17:09	12/21/2005 15:23	MG/KG	0.0977	0.287	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282507

Collection Information:

Sample Date: 12/16/2005 12:49:00 PM

ND = Non Detect

Client ID : SS-V7

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.316	12/23/2005 17:13	12/21/2005 15:23	MG/KG	0.0901	0.265	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282508

Collection Information:

Sample Date: 12/16/2005 1:09:00 PM

ND = Non Detect

Client ID : SS-V8

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.308 ND	12/23/2005 17:17	12/21/2005 15:23	MG/KG	0.105	0.308	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282509

Collection Information:

Client ID : SS-V9

Sample Date: 12/16/2005 1:20:00 PM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.492	12/23/2005 17:22	12/21/2005 15:23	MG/KG	0.108	0.318	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282510

Collection Information:

Sample Date: 12/16/2005 1:34:00 PM

ND = Non Detect

Client ID : SS-V10

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.327	12/23/2005 17:26	12/21/2005 15:23	MG/KG	0.104	0.306	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282511

Client ID : SS-V11

Matrix : S

Collection Information:

Sample Date: 12/16/2005 2:35:00 PM

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.307 ND	12/23/2005 17:30	12/21/2005 15:23	MG/KG	0.104	0.307	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282512

Collection Information:

Sample Date: 12/16/2005 2:47:00 PM

ND = Non Detect

Client ID : SS-V12

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.58	12/23/2005 17:46	12/21/2005 15:23	MG/KG	0.129	0.38	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282513

Collection Information:

Client ID : SS-V13

Sample Date: 12/16/2005 3:00:00 PM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.284 ND	12/23/2005 17:50	12/21/2005 15:23	MG/KG	0.0965	0.284	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282514

Collection Information:

Sample Date: 12/16/2005 3:23:00 PM

ND = Non Detect

Client ID : SS-V14

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.322 ND	12/23/2005 17:55	12/21/2005 15:23	MG/KG	0.11	0.322	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282515

Collection Information:

Client ID : SS-WT1

Sample Date: 12/16/2005 11:55:00 AM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	1.35	12/23/2005 17:59	12/21/2005 15:23	MG/KG	0.101	0.298	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282516

Client ID : SS-WT2

Matrix : S

Collection Information:

Sample Date: 12/16/2005 11:33:00 AM

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	1.47	12/23/2005 18:03	12/21/2005 15:23	MG/KG	0.117	0.344	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282517

Collection Information:

Sample Date: 12/16/2005 3:38:00 PM

Client ID : SS-WTAM 4

ND = Non Detect

Matrix : S

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.478	12/23/2005 18:10	12/21/2005 15:23	MG/KG	0.103	0.304	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

PEL Lab# : 250282518

Collection Information:

Client ID : SS-WT9

Sample Date: 12/16/2005 2:25:00 PM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.3 ND	12/23/2005 18:15	12/21/2005 15:23	MG/KG	0.102	0.3	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

QC SUMMARY

METHOD: 6010

Method Blank 199248

Matrix : SQ

Associated Lab Samples : 199248 199249 199250 199251 199252 250282501 250282502 250282503 250282504 250282505 250282506
250282507 250282508 250282509 250282510 250282511 250282512 250282513 250282514 250282515
250282516 250282517 250282518

Parameter	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Arsenic	ND	12/23/2005	12/21/2005	MG/KG	0.5	1

LABORATORY CONTROL SAMPLE 199249 Matrix : SQ

PARAMETER	UNITS	SPIKE CONC	LCS RESULT	SPIKE % REC	% REC LIMITS
Arsenic	MG/KG	50	45.7	91.4	(80-120)

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502825

PROJECT ID: Hecht /05-8850

**Brian C.
Spann**

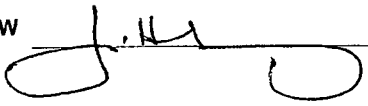
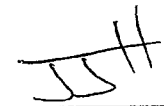
Digitally signed by
Brian C. Spann
DN: CN = Brian C.
Spann, C = US
Date: 2005.12.27
13:23:06 -05'00'

Brian C. Spann	Laboratory Manager
David Cantillo	Quality Assurance
Mark Gudnason	Senior Project Manager
Lisa Pelo	Volatiles Team Leader
Thomas Scott	Semi-Volatiles Team Leader

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information			
SDG:	2502825	Req:	1110
Client:	Ardaman	Project:	Generic
Level:	1	Date Rec'd:	12/20/05 2:20:00 PM
Rec'd via:	courier	Due Date:	12/27/05

Sample Verification			
Samples/Cooler Secure?	<input type="text" value="Yes"/>	All Samples on COC accounted For?	<input type="text" value="Yes"/>
Temperature of Samples(Celsius)	<input type="text" value="3.5"/>	All Samples Rec'd Intact?	<input type="text" value="Yes"/>
pH Verified?	<input type="text" value="No"/>	Sample Vol. Stuff. For Analysis?	<input type="text" value="Yes"/>
pH WNL?	<input type="text" value="No"/>	Samples Rec'd W/ Hold Time?	<input type="text" value="Yes"/>
Soil Origin (Domestic/Foreign):	<input type="text" value="Domestic"/>	Are All Samples to be Analyzed?	<input type="text" value="Yes"/>
Site Location/Project on COC?	<input type="text" value="Yes"/>	Correct Sample Containers?	<input type="text" value="Yes"/>
Client Project # on COC?	<input type="text" value="Yes"/>	COC Comments written on COC?	<input type="text" value="Yes"/>
Project Mgr. Indicated on COC?	<input type="text" value="Yes"/>	Samplers Initials on COC?	<input type="text" value="Yes"/>
COC relinquished/Dated by Client?	<input type="text" value="Yes"/>	Sample Date/Time Indicated?	<input type="text" value="Yes"/>
COC Received/Dated by PEL?	<input type="text" value="Yes"/>	TAT Requested:	<input type="text" value="STD"/>
Specific Subcontract Indicated?	<input type="text" value="No"/>	Client Requests Verbal Results?	<input type="text" value="Yes"/>
Samples Received By	<input type="text" value="courier"/>	Client Requests Faxed Results?	<input type="text" value="Yes"/>
PEL to Conduct ALL Analyses?	<input type="text" value="Yes"/>		

Subcontract Analysis				
Parameter	Due Date	Via	Lab Name	Comments
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> PEER REVIEW  </div> <div style="width: 45%;"> PM REVIEW:  </div> </div>				

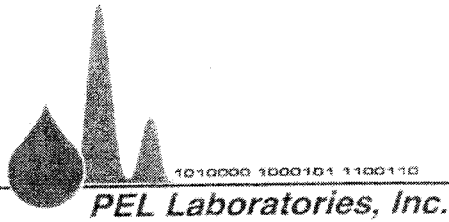
Chain of Custody Record Record/Work Request

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

1010000 1000101 1100110

PEL Laboratories, Inc.

Company: <u>Ardaman - Sarasota</u>				Project Name/Number: <u>Hecht / 05-8850</u>				Page <u>3</u> of <u>3</u>													
Address: <u>2500 Bee Ridge Road</u>				Project Manager: <u>Chip Hoover</u>				DEP Form #: <u>62-770.900(2)</u>													
Phone: <u>(941) 922-3526</u> Fax: <u>(941) 922-6743</u>				Purchase Order:				Form Title: <u>Chain of Custody Record</u>													
Print Names(s) / Affiliation: <u>Mike Eggleston / Sampler</u>				Preservatives (see codes) <u>I I I I</u>				Effective Date: <u>September 23, 1997</u>													
Sampler(s) Signature(s): <u>Mike Eggleston</u>				Analyses Requested				FDEP Facility No.													
								Project Name:													
								Sampling CompQAP No:													
								Approval Date:													
								REQUESTED DUE DATE													
								/ /													
								Remarks Lab. No.													
Item No.	Field ID No.	Date	Time	Grab or Composite	Matrix (see codes)	Number of Containers	Arsenic	8141	3151	3081	Particulates										
19	SS-C8	12/16/05	14:05	Grab	SO	1	1														
20	SS-B11	12/16/05	11:15	Grab		1	1														
21	CSS-W4	12/16/05	16:10	Composite		1		1	1												
22	CSS-W9	12/19/05	14:25	Composite		1		1	1												
23	CSS-C8	12/19/05	14:10	Composite		1				1											
Shipment Method						5	Total Number of Containers														
Out: / /	Via:	Item Nos.	Relinquished by / Affiliations		Date	Time	Accepted by / Affiliation		Date	Time											
Returned: / /	Via:		<u>Mike Eggleston</u>		12/20/05	8:40	<u>[Signature]</u>		12/20	1304											
Additional Comments:																					
Cooler No. (s) / Temperature(s) (C)						Sampling Kit No.			Equipment ID No.												
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)																					
PRESERVATION CODES: H-Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)																					



Florida Department of Health #E84207

July 1, 2005 - June 30, 2006

CWA - Extractable Organics, General Chemistry, Metals,

Pesticides-herbicides-PCB's, Volatile Organics

RCRA/CERCLS - Extractable Organics, General Chemistry, Metals

Pesticides-Herbicides-PCB's, Volatile Organics

- CERTIFICATE OF ANALYSIS -

Report Date: 01/03/2006

To: Chip Hoover
Ardaman & Associates
2500 Bee Ridge Road
Sarasota, FL 34239
USA

W 941-922-3526
F 941-922-6743

PROJECT ID: Hecht / 05-8850
WORK ORDER: 2502826
DATE RECEIVED: Tuesday, December 20, 2005

Project Notes: For the 8081 analysis, only the 1:10 dilution is reported due to matrix interference for the initial analysis.

(†): Short Hold Time Analysis Date

Samples reported on dry weight basis

PEL Contact: Mark Gudnason / extension: 242

4420 Pendola Point Road • Tampa, Florida 33619
(813)247-2805 • FAX: (813)248-1537
Website: www.pelab.com

PEL Laboratories, Inc.

DATA QUALIFIER CODES

State of Florida, Department of Environmental Protection and
Department of Health Rehabilitative Services / NELAC

- I** The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
 - J** Estimated value; value not accurate. This code shall be used in the following instances:
 - 1. Surrogate recovery limits have been exceeded.
 - 2. No known quality control criteria exists for the component.
 - 3. The reported value failed to meet the established quality control criteria for either precision or accuracy.
 - 4. The sample matrix interfered with the ability to make an accurate determination.
 - 5. The data is questionable because of improper laboratory or field protocols (e.g. composite sample was collected instead of a grab sample).
 - L** Off-scale high. Actual value is known to be greater than the value given. To be used when the concentration of the analyte is above the acceptable limit for quantitation (exceeds the linear range of the highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
 - Q** Sample held beyond acceptable holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for the sample preparation or analysis.
 - U** Indicates that the compound was analyzed for but not detected. This shall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory reporting limit. Unless requested by the client, values less than the reporting limit shall not be
 - V** Indicates that the analyte was detected in both the sample and the associated method blank. Note: The value in the blank shall not be subtracted from associated samples.
 - Y** The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
-

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

PEL Lab# : 250282601

Client ID : SS-C8

Matrix : S

Collection Information:

Sample Date: 12/16/2005 2:05:00 PM

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.52	12/23/2005 18:24	12/21/2005 15:23	MG/KG	0.114	0.337	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

PEL Lab# : 250282602

Client ID : SS-B11

Matrix : S

Collection Information:

Sample Date: 12/16/2005 11:15:00 AM

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Arsenic	6010	0.3 ND	12/23/2005 18:28	12/21/2005 15:23	MG/KG	0.102	0.3	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

PEL Lab# : 250282603

Collection Information:

Client ID : CSS-W4

Sample Date: 12/16/2005

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Azinphos methyl	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	16	76	1
Demeton-o	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	1.6	76	1
Demeton-s	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	7.6	76	1
Diazinon	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	10	76	1
Disulfoton	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	14	76	1
Ethion	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	17	76	1
Malathion	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	7	76	1
Methyl parathion	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	8.6	76	1
Parathion	8141	76 ND	12/22/2005 19:25	12/21/2005 10:03	ug/Kg	18	76	1
TPP-Triphenylphosphate(SURR)	8141	77.4	12/22/2005 19:25	12/21/2005 10:03	%	18	(60 - 130)	1
2,4,5-T	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	2	11	1
2,4,5-TP (Silvex)	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	1.4	11	1
2,4'-D	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	2.6	11	1
2,4-DB	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	0.91	11	1
Dalapon	8151	33 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	3.9	33	1
Dicamba	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	2	11	1
Dichloroprop	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	1.8	11	1
Dinoseb	8151	11 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	2.3	11	1
MCPA	8151	1670 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	790	1670	1
MCPP	8151	1670 ND	12/25/2005 12:12	12/21/2005 0:00	ug/Kg	601	1670	1
DCAA(SURR)	8151	86.4	12/25/2005 12:12	12/21/2005 0:00	%	601	(42 - 108)	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

PEL Lab# : 250282604

Collection Information:

Client ID : CSS-W9

Sample Date: 12/16/2005

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
Azinphos methyl	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	16	78	1
Demeton-o	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	1.6	78	1
Demeton-s	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	7.7	78	1
Diazinon	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	10	78	1
Disulfoton	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	14	78	1
Ethion	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	17	78	1
Malathion	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	7.2	78	1
Methyl parathion	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	8.8	78	1
Parathion	8141	78 ND	12/22/2005 20:29	12/21/2005 10:03	ug/Kg	18	78	1
TPP-Triphenylphosphate(SURR)	8141	81.4	12/22/2005 20:29	12/21/2005 10:03	%	18	(60 - 130)	1
2,4,5-T	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	2	11	1
2,4,5-TP (Silvex)	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	1.5	11	1
2,4'-D	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	2.6	11	1
2,4-DB	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	0.93	11	1
Dalapon	8151	34 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	4	34	1
Dicamba	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	2	11	1
Dichloroprop	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	1.8	11	1
Dinoseb	8151	11 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	2.4	11	1
MCPA	8151	1700 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	802	1700	1
MCPP	8151	1700 ND	12/25/2005 15:44	12/21/2005 0:00	ug/Kg	610	1700	1
DCAA(SURR)	8151	91.4	12/25/2005 15:44	12/21/2005 0:00	%	610	(42 - 108)	1

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

PEL Lab# : 250282605

Collection Information:

Client ID : CSS-C8

Sample Date: 12/16/2005 2:10:00 PM

Matrix : S

ND = Non Detect

Parameter	Method	Results	Analysis Date	Prep Date	Units	MDL	RL	Dilution Factor
4,4'-DDD	8081	110	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	5.5	16	10
4,4'-DDE	8081	86 J3	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	2.9	16	10
4,4'-DDT	8081	31	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	4.1	16	10
Aldrin	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	1.6	16	10
alpha-BHC	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	10	16	10
beta-BHC	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	1.6	16	10
Chlordane	8081	160 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	22	160	10
delta-BHC	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	3	16	10
Dieldrin	8081	16 ND J3	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	1.7	16	10
Endosulfan I	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	2.4	16	10
Endosulfan II	8081	21	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	3.1	16	10
Endosulfan sulfate	8081	34	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	2.2	16	10
Endrin	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	2.8	16	10
Endrin aldehyde	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	3.9	16	10
gamma-BHC (Lindane)	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	2.2	16	10
Heptachlor	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	1.6	16	10
Heptachlor epoxide	8081	16 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	1.6	16	10
Methoxychlor	8081	16 ND J3	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	2.9	16	10
Toxaphene	8081	160 ND	12/29/2005 19:11	12/27/2005 10:01	ug/Kg	14	160	10
2,4,5,6-tetrachloro-m-xylene(SUR)	8081	159 J4	12/29/2005 19:11	12/27/2005 10:01	%	14	(35 - 135)	10
Decachlorobiphenyl(SURR)	8081	267 J4	12/29/2005 19:11	12/27/2005 10:01	%	14	(25 - 143)	10

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

QC SUMMARY

METHOD: 6010

Method Blank 199248

Matrix : SQ

Associated Lab Samples : 199248 199249 199250 199251 199252 250282501 250282601 250282602

Parameter	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Arsenic	ND	12/23/2005	12/21/2005	MG/KG	0.5	1

LABORATORY CONTROL SAMPLE 199249 Matrix : SQ

PARAMETER	UNITS	SPIKE CONC	LCS RESULT	SPIKE % REC	% REC LIMITS
Arsenic	MG/KG	50	45.7	91.4	(80-120)

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

METHOD: 8081

Method Blank 199287

Matrix : SQ

Associated Lab Samples : 199287 199288 199289 199290 199291 250282605

Parameter	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
4,4'-DDD	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
4,4'-DDE	ND J3	12/29/2005	12/27/2005	ug/Kg	1.5	1
4,4'-DDT	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Aldrin	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
alpha-BHC	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
beta-BHC	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Chlordane	ND	12/29/2005	12/27/2005	ug/Kg	15	1
delta-BHC	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Dieldrin	ND J3	12/29/2005	12/27/2005	ug/Kg	1.5	1
Endosulfan I	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Endosulfan II	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Endosulfan sulfate	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Endrin	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Endrin aldehyde	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
gamma-BHC (Lindane)	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Heptachlor	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Heptachlor epoxide	ND	12/29/2005	12/27/2005	ug/Kg	1.5	1
Methoxychlor	ND J3	12/29/2005	12/27/2005	ug/Kg	1.5	1
Toxaphene	ND	12/29/2005	12/27/2005	ug/Kg	15	1
2,4,5,6-tetrachloro-m-xylene(SUR)	81.5	12/29/2005	12/27/2005	%	(35 - 135)	1
Decachlorobiphenyl(SURR) (S)	99.7	12/29/2005	12/27/2005	%	(25 - 143)	1

LABORATORY CONTROL SAMPLE 199288

Matrix : SQ

PARAMETER	UNITS	SPIKE CONC	LCS RESULT	SPIKE % REC	% REC LIMITS
4,4'-DDD	ug/Kg	15.1	10.9	72.2	(47-128)
4,4'-DDE	ug/Kg	15.1	19.4	128 *	(42-119)
4,4'-DDT	ug/Kg	15.1	17.8	118	(48-159)
Aldrin	ug/Kg	15.1	12.6	83.4	(13-122)
alpha-BHC	ug/Kg	15.1	12.6	83.4	(32-115)
beta-BHC	ug/Kg	15.1	13	86.1	(35-126)
delta-BHC	ug/Kg	15.1	12.5	82.8	(22-134)
Dieldrin	ug/Kg	15.1	18.2	120 *	(43-117)
Endosulfan I	ug/Kg	15.1	17.7	117	(38-143)
Endosulfan II	ug/Kg	15.1	12.5	82.8	(58-130)
Endosulfan sulfate	ug/Kg	15.1	17.7	117	(45-151)
Endrin	ug/Kg	15.1	13.6	90.1	(48-126)
Endrin aldehyde	ug/Kg	15.1	13.1	86.8	(31-102)
gamma-BHC (Lindane)	ug/Kg	15.1	13	86.1	(5-124)
Heptachlor	ug/Kg	15.1	18.9	125	(12-131)

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

METHOD: 8081

LABORATORY CONTROL SAMPLE 199288

Matrix : SQ

PARAMETER	UNITS	SPIKE CONC	LCS RESULT	SPIKE % REC	% REC LIMITS
Heptachlor epoxide	ug/Kg	15.1	16.9	112	(38-116)
Methoxychlor	ug/Kg	15.1	22.4	148 *	(49-146)
2,4,5,6-tetrachloro-m-xylene(SUR	ug/Kg	30.2	24.6	81.5	(35-135)
Decachlorobiphenyl(SURR) (S)	ug/Kg	30.2	30.4	101	(25-143)

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

METHOD: 8141

Method Blank 199224

Matrix : SQ

Associated Lab Samples : 199224 199225 199226 199227 199228 250282603 250282604

Parameter	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
Azinphos methyl	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Demeton-o	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Demeton-s	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Diazinon	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Disulfoton	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Ethion	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Malathion	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Methyl parathion	ND	12/22/2005	12/21/2005	ug/Kg	68	1
Parathion	ND	12/22/2005	12/21/2005	ug/Kg	68	1
TPP-Triphenylphosphate(SURR)	58 J3	12/22/2005	12/21/2005	%	(60 - 130)	1

LABORATORY CONTROL SAMPLE 199225

Matrix : SQ

PARAMETER	UNITS	SPIKE CONC	LCS RESULT	SPIKE % REC	% REC LIMITS
Azinphos methyl	ug/Kg	757	780	103	(65-124)
Demeton-o	ug/Kg	238	250	105	(17-184)
Demeton-s	ug/Kg	467	490	105	(0-200)
Diazinon	ug/Kg	757	720	95.1	(56-125)
Disulfoton	ug/Kg	757	890	118	(56-125)
Ethion	ug/Kg	757	920	122	(55-128)
Malathion	ug/Kg	757	1000	132	(49-147)
Methyl parathion	ug/Kg	757	800	106	(66-107)
Parathion	ug/Kg	757	820	108	(70-130)
TPP-Triphenylphosphate(SURR)	ug/Kg	1510	1200	79.5	(60-130)

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

METHOD: 8151

Method Blank 199219

Matrix : SQ

Associated Lab Samples : 199219 199220 199221 199222 199223 250282603 250282604

Parameter	Results	Analysis Date	Prep Date	Units	RL	Dilution Factor
2,4,5-T	ND	12/25/2005	12/21/2005	ug/Kg	10	1
2,4,5-TP (Silvex)	ND	12/25/2005	12/21/2005	ug/Kg	10	1
2,4'-D	ND	12/25/2005	12/21/2005	ug/Kg	10	1
2,4-DB	ND	12/25/2005	12/21/2005	ug/Kg	10	1
Dalapon	ND	12/25/2005	12/21/2005	ug/Kg	30	1
Dicamba	ND	12/25/2005	12/21/2005	ug/Kg	10	1
Dichloroprop	ND	12/25/2005	12/21/2005	ug/Kg	10	1
Dinoseb	ND	12/25/2005	12/21/2005	ug/Kg	10	1
MCPA	ND	12/25/2005	12/21/2005	ug/Kg	1500	1
MCPP	ND	12/25/2005	12/21/2005	ug/Kg	1500	1
DCAA(SURR) (S)	80.8	12/25/2005	12/21/2005	%	(42 - 108)	1

LABORATORY CONTROL SAMPLE 199220

Matrix : SQ

PARAMETER	UNITS	SPIKE CONC	LCS RESULT	SPIKE % REC	% REC LIMITS
2,4,5-T	ug/Kg	30.1	17.8	59.1	(41-126)
2,4,5-TP (Silvex)	ug/Kg	30.1	23	76.4	(47-119)
2,4'-D	ug/Kg	30.1	17.7	58.8	(34-126)
2,4-DB	ug/Kg	30.1	33	110	(48-116)
Dalapon	ug/Kg	75.4	59.2	78.5	(16-90)
Dicamba	ug/Kg	30.1	21.7	72.1	(57-110)
Dichloroprop	ug/Kg	30.1	24	79.7	(47-130)
Dinoseb	ug/Kg	30.1	24.7	82.1	(27-105)
MCPA	ug/Kg	3010	1970	65.4	(18-121)
MCPP	ug/Kg	3010	1560	51.8	(19-110)
DCAA(SURR) (S)	ug/Kg	75.4	63.2	83.8	(42-108)

- CERTIFICATE OF ANALYSIS -



FLDOH #E84207

To: Chip Hoover
Ardaman & Associates

WORK ORDER: 2502826

PROJECT ID: Hecht / 05-8850

**Brian C.
Spann**

Digitally signed by
Brian C. Spann
DN: CN = Brian
C. Spann, C = US
Date: 2006.01.03
16:00:47 -05'00'

Brian C. Spann	Laboratory Manager
David Cantillo	Quality Assurance
Mark Gudnason	Senior Project Manager
Lisa Pelo	Volatiles Team Leader
Thomas Scott	Semi-Volatiles Team Leader

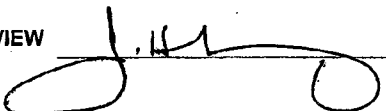
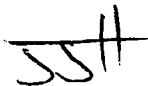
4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805 • Fax: (813) 248-1537
E-Mail: login@Pelab.com

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information			
SDG:	2502826	Req:	1110
Client:	Ardaman	Project:	Generic
Level:	1	Date Rec'd:	12/20/05 2:20:00 PM
Rec'd via:	courier	Due Date:	12/27/05

Sample Verification			
Samples/Cooler Secure?	<input type="text" value="Yes"/>	All Samples on COC accounted For?	<input type="text" value="Yes"/>
Temperature of Samples(Celsius)	<input type="text" value="3.5"/>	All Samples Rec'd Intact?	<input type="text" value="Yes"/>
pH Verified?	<input type="text" value="No"/>	Sample Vol. Stuff. For Analysis?	<input type="text" value="Yes"/>
pH WNL?	<input type="text" value="No"/>	Samples Rec'd W/ Hold Time?	<input type="text" value="Yes"/>
Soil Origin (Domestic/Foreign):	<input type="text" value="Domestic"/>	Are All Samples to be Analyzed?	<input type="text" value="Yes"/>
Site Location/Project on COC?	<input type="text" value="Yes"/>	Correct Sample Containers?	<input type="text" value="Yes"/>
Client Project # on COC?	<input type="text" value="Yes"/>	COC Comments written on COC?	<input type="text" value="Yes"/>
Project Mgr. Indicated on COC?	<input type="text" value="Yes"/>	Samplers Initials on COC?	<input type="text" value="Yes"/>
COC relinquished/Dated by Client?	<input type="text" value="Yes"/>	Sample Date/Time Indicated?	<input type="text" value="Yes"/>
COC Received/Dated by PEL?	<input type="text" value="Yes"/>	TAT Requested:	<input type="text" value="STD"/>
Specific Subcontract Indicated?	<input type="text" value="No"/>	Client Requests Verbal Results?	<input type="text" value="Yes"/>
Samples Received By	<input type="text" value="courier"/>	Client Requests Faxed Results?	<input type="text" value="Yes"/>
PEL to Conduct ALL Analyses?	<input type="text" value="Yes"/>		

Subcontract Analysis

Parameter	Due Date	Via	Lab Name	Comments
PEER REVIEW				
		PM REVIEW: 		

APPENDIX II

12-16-05

Hecht

05-8950

Collected (20) grab soil samples for analysis of Arsenic content. (6) locations were identified as particular interest and the remaining samples were collected from various locations.

Samples were collected from -2" to -6" b.g.s. utilizing 6" stainless steel scoop. Scoop was cleaned with Liquinox soap, Isopropyl Alcohol and anlyte free H_2O .

See map for locations and Chain of Custody Record for sample times.

Also collected (1) composite soil sample for 8141 and 8151 analysis. Soil was collected from (5) separate locations and the homogenized in a stainless steel bowl prior to jarring.

Additional sampling field notes:

SS-V5: Possible mixing area north of WT2. (4" PVC with shut-off valve)

SS-V9: Possible mixing area. 6" zone valve with access via a shut-off valve.

SS-V13: Discharge area. 2" ball valve.

SS-V14: Possible mixing area. 4" PVC standpipe with elbow and 2" ball valve.

Note: Storage area (S5) has been cleaned up since ESA site visit. Most equip. gone incl. vehicles. Oil drums gone. Associated stained soil has been excavated and backfilled. No stockpile present of impacted soils.

12-19-05

Hecht

05-8850

05-8850

Location 12 (Well Head) Sketch

Collected (2) composite soil samples.

Location 8 (rattle pen) for 8081

pesticides analysis. Location 9 (well head)
for 8141 and 8151 analysis.Samples were collected from -2" to -6"
bgs. utilizing a 6" stainless steel scoop.Scoop was cleaned with Liquinox soap,
Isopropyl Alcohol and analyte free H_2O .Each composite consisted of soil from
(5) separate locations which was homo-
genized in a stainless steel bucket.See map for locations and Chain of
Custody Record for sample times and
descriptions.Well
Manifold
Pipe

(5)

(4)

(3)

w.t. 1) - 62" bgs.

2) - 64"

3) - 65"

4) - 65"

5) - 62"

6) - 43"

N

↓

H.A. Boring
location(s)

2" TMW

○

(6)

12-19-05 Hecht 05-8850

Location 12 (WH) OVA results:					
Sample #	Depth	Vol.	Methane	Total Vol.	Odor
1	-1	0	5.8	0	
(12:18)	-2	0	0	0	
	-3	28	30	0	
	-4	8	10	0	
	-5	1000+	1000+	Ind.	organic
	-6	1000+	1000+	Ind.	org.
2	-1	0	0	0	
(12:25)	-2	0	0	0	
	-3	410	300	110	ND
	-4	1000+	1000+	Ind.	ND
	-5	1000+	1000+	Ind.	Org.
	-6	1000+	1000+	Ind.	Org.

Fill to approx.
-4.5' b.g.s.

05-8850					
Sample #	Depth	Vol.	Methane	Total Vol.	Odor
3	-1	0	0	0	
(12:32)	-2	0	0	0	
	-3	0	0	0	
	-4	62	80	0	ND
	-5	1000+	1000+	Ind.	Org.
	-6	1000+	1000+	Ind.	Weathered
4	-1	0	0	0	
(12:40)	-2	0	0	0	
	-3	0	0	0	
	-4	19	29	0	ND
	-5	300	400	0	ND
	-6	360	360	0	Very Slight Weathered

12-19-05

Hecht

05-8850

05-8850

Location 9 (Well Head / Tank) Sketch

Sample #	Depth	Vol.	Methane	Total Vol.	Odor
5	-1	0	0	0	
(12:48)	-2	0	0	0	
	-3	0	0	0	
	-4	0	0	0	
	-5	0	0	0	
	-6	130	160	0	very slight weathered

N



3

PUMP

w.t. 1) -19" bgs.

2) -21"

3) -19"

4) -15"

OVA Results:

Sample #	Depth	Vol.	Methane	Total Vol.	Odor
6	-1	0	0	0	
(12:56)	-2	10	0	10	
[Fill to approx. -2.0' bgs.]	-3	120	70	50	ND
	-4	1000+	1000+	Ind.	weathered
(3:20)	-1	0	0	0	
	-2	0	0	0	
	-3	0	0	0	
(3:22)	-1	0	0	0	
	-2	0	0	0	
	-3	0	0	0	
(3:24)	-1	0	0	0	
	-2	0	0	0	
	-3	0	0	0	
(3:27)	-1	0	0	0	
	-2	0	0	0	
	-3	0	0	0	

12-20-05

Hecht

05-8850

Location 2 (Well Head/Tank) sketch:

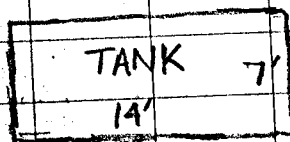
4 N

• 2

PUMP

• 1

• 3



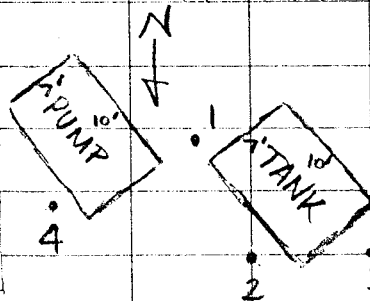
• 4

w.t. 1) -29" b.g.s.
 2) -28"
 3) -30"
 4) -27"

OVA Results:

Sample #	Depth	Vol.	Methane	Total Vol.	Odor
1 (10:19)	-1	0	0	0	
	-2	5.2	0	5.2	weathered
	-3	2.0	4.4	0	weathered
2 (10:26)	-1	0	0	0	
	-2	0	0	0	
	-3	0.4	10	0	ND
3 (10:29)	-1	0	0	0	
	-2	0	0	0	
	-3	320	320	0	slight weathered
4 (10:33)	-1	100	110	0	slight weathered
	-2	360	400	0	weathered
	-3	500	550	0	slight weathered

Location 1 (Well Head/Tank) sketch:



w.t. 1) -33" b.g.s.
 2) -34"
 3) -35"
 4) -35"

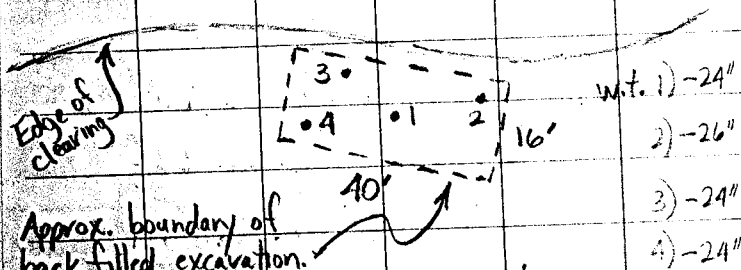
OVA Results:

Sample #	Depth	Vol.	Methane	Total Vol.	Odor
1 (11:28)	-1	0	0	0	sl. weath.
	-2	1000+	1000+	Ind.	weathered
	-3	1000+	1000+	Ind.	weathered
2 (11:32)	-1	0	0	0	sl. weath.
	-2	480	300	180	weathered
	-3	1000+	1000+	Ind.	weathered
3 (11:36)	-1	0	0	0	sl. weath.
	-2	540	550	0	weathered
	-3	1000+	1000+	Ind.	weathered
4 (11:40)	-1	0	0	0	sl. weath.
	-2	740	340	400	strong weath.
	-3	1000+	1000+	Ind.	strong weath.

12-20-05 3 Hecht

05-8850

Location 8 (Storage) sketch:



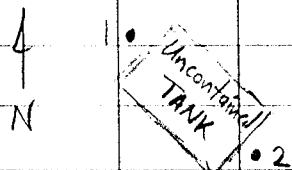
Note: Only surficial "stained" soil appears to have been removed.

OVA Results:

Location	Depth	Vola.	Methane	Total Vola.	Odor
1	-1	48	38	10	very sl. wh.
(12:56)	-2	410	440	0	sl. wh.
	-3	170	230	0	sl. wh.
2	-1	0	3	0	ND
(13:00)	-2	60	60	0	sl. wh.
	-3	530	530	0	sl. wh.
3	-0.5	0	0	0	ND
(13:04)	-1	42	45	0	very sl.
	-2	70	60	10	sl. wh.
	-3	340	340	0	sl. wh.
4	-1	0	0	0	ND
(13:17)	-2	60	81	0	sl. sulfur

05-8850

Location 10 (Tank) sketch:



w.t. 1) -23" b.g.s.

2) -23" b.g.s.

Note: Field fuel tank not in a permanent/ fixed location. Unable to determine timeline for past and/or present location.

OVA Results:

Location	Depth	Vola.	Methane	Total Vola.	Odor
1	-1	0	0	0	ND
	-2	0	0	0	
2	-1	0	0	0	
	-2	0	0	0	↓

12-20-05

Hecht

05-8850

• 8

• 7

05-8850

Location 4 (Well Head/Tank/Activity/Maint.)

TANK
(Tractor Fueling) 7'
14'

w.t. 5) -33"

7' PUMP
10'7' TANK
10'

• 1

N

New motor/
hydraulic

Used

Approx. limit of surficial
excavation. Area has been
backfilled approx. 12" in
middle.

W.t. 1) -37" 3) -37"

2) -41" 4) -36"

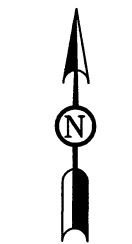
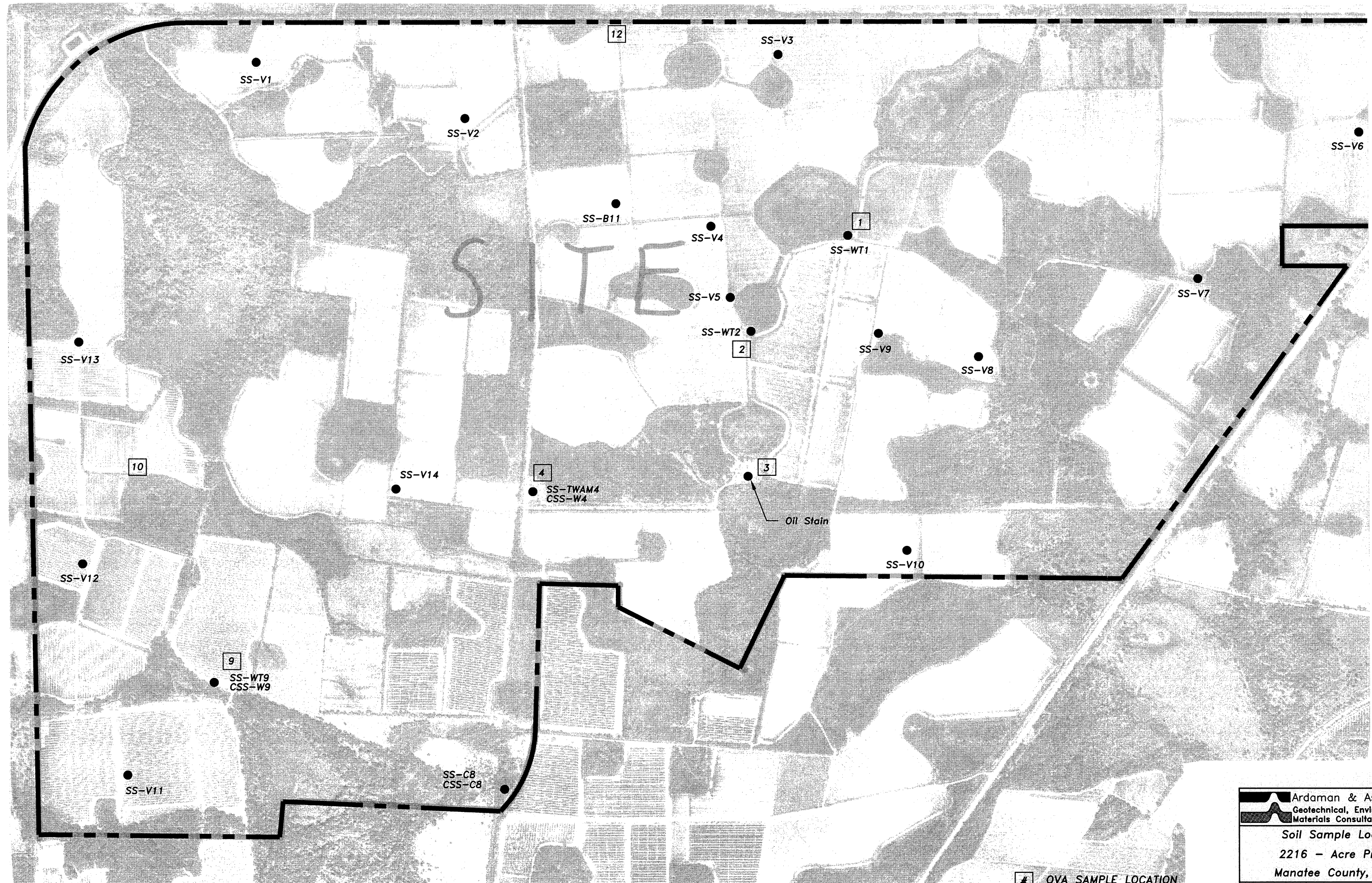
OVA Results:

Location	Depth	Vol.	Methane	Total Vol.	Odor
1	-1	0	0	0	ND
	-2	0	0	0	
(14:45)	-3	0	0	0	
2	-1	0	0	0	ND
	-2	0	0	0	
(14:47)	-3	0	0	0	
3	-1	0	0	0	ND
	-2	0	0	0	
(14:50)	-3	0	0	0	
4	-1	0	0	0	ND
	-2	0	0	0	
(14:52)	-3	0	0	0	

Oil
StorageOil
Storage


OVA Results:

Location	Depth	Vol.	Methane	Total Vol.	Odor
(15:50) 1	-1	0	0	0	
(15:52) 2	-0.5	0	0	0	
(15:53) 3	-0.5	0	0	0	
(16:54) 4	-0.5	0	0	0	
	-1	0	0	0	
(15:55) 5	-1	0	0	0	
	-2	0	0	0	
	-3	6	0	6	ND
(15:59) 6	-0.5	0	0	0	
(16:00) 7	-0.5	0	0	0	
	-1.5	0	0	0	
	-2.5	22	54	0	ND
(16:04) 8	-0.5	0	0	0	sl. weath.
	-1	0	0	0	sl. weath.



SCALE: NTS

- # OVA SAMPLE LOCATION
- SOIL SAMPLE LOCATION

 Ardaman & Associates, Inc. Geotechnical, Environmental and Materials Consultants			
Soil Sample Locations 2216 - Acre Property Manatee County, Florida			
DRAWN BY: KGS	CHECKED BY:	DATE: 1/9/06	
FILE NO. 05-8550	APPROVED BY:	FIGURE: 4	