## ATTACHMENT B

## Volume VI

# Construction Quality Assurance Report for CCSWDC, Phase II Sarasota County, Florida 

VOLUME VI


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(revised April 2, 2010)

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## APPENDIX 24

SPLP Testing for Arsenic in Soil Fill


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# Ardaman \& Associates, Inc. 

Geotechnical, Environmental and Materials Consultants

December 29, 2008
File No. 08-8722

TO: Sarasota County Environmental Services<br>Solid Waste Operations<br>4000 Knights Trail Road<br>Nokomis FL 34275<br>Attention: Lois Rose<br>SUBJECT: Soil Sampling for Albritton Property, Phases II, III and IV, 252.8 Acres North of Central Sarasota County Landfill, Sarasota County, Florida

## Ladies and Gentlemen:

As requested by Ms. Lois Rose, Ardaman \& Associates has conducted soil sampling with regard to the above referenced property. It is our understanding that the upper 4 feet of soils from this property are proposed for use as construction and daily cover material for future landfill activities. It is our understanding that as part of the general permit, FDEP has requested that every 50,000 cubic yards of material be sampled and analyzed in the laboratory, specifically for leaching of Arsenic by SPLP analysis. However, through discussions with the County, it was determined there is also some concern for Total Arsenic, Iron and the potential for herbicides and pesticides to be present as a result of former and ongoing utilization of the property for agricultural purposes. Therefore, analysis of the soil was conducted for Total Arsenic and Iron, for Organochlorine pesticides according to EPA Method 8081,Organophosphorous pesticides according to EPA Method 8141 and for herbicides according to EPA Method 8151. Finally, SPLP analysis for Arsenic and Iron was conducted on select soil samples from each geographical location.

The Albritton property is roughly 252.8 acres and extremely irregular in shape. Therefore, the site was generally divided into grid areas, however, additional samples were also collected at perimeter and transition areas from one usage to another in order to assure accurate representation of the site. Based on the acreage as well as an overall 4 foot depth of fill to be utilized and the required sampling for every 50,000 cubic yards, thirty-two separate locations were selected as shown on the attached aerial. The locations are identified as SS-1 through SS-32. Initially, samples were

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collected at each of these locations utilizing a stainless steel auger with soil samples collected at the 0 to 6 inch depth, 18 to 24 inch depth, 30 to 36 inch depth and 42 to 48 inch depth. Discrete soil samples were collected at each of these depths and submitted to the laboratory for analysis for Total Arsenic and Iron. Additionally, at each location, one (1) composite soil sample was collected at the surface ( 0 to 6 inch depth) and composited from five (5) sub-samples within a 10 foot radius of the sample location. Samples were appropriately homogenized and placed into laboratory supplied containers for analysis in the laboratory according to EPA Methods 8081, 8141 and 8151 for Organochlorine pesticides, Organophosphorous pesticides and herbicides. The field sampling notes, chain-of-custody forms and laboratory analysis are included in Appendix I and the detected concentrations of Arsenic and Iron are summarized in Tables 1 and 2, respectively.

As indicated in the laboratory analysis, all parameters for Organochlorine pesticides, Organophosphorous pesticides and herbicides were non-detect at the Method Detection Limit (MDL) with the exception of Composite Soil Sample CSS-2, where 4-4 DDT was tentatively identified at 0.32 micrograms per kilogram ( $\mu \mathrm{g} / \mathrm{kg}$ ) which is just above the MDL, but below the Reporting Limit (RL) of 1.2. The Soil Cleanup Target Level (SCTL) for 4-4 DDT is $2900 \mu \mathrm{~g} / \mathrm{kg}$, therefore, the tentatively identified concentration is orders of magnitude below the (Soil Cleanup Target Level (SCTL).

With regard to Total Arsenic, as summarized in Table 1, Arsenic was detected in a number of sample locations with the highest, 6.19 milligrams per kilogram ( $\mathrm{mg} / \mathrm{kg}$ ) in the initial sample SS-9 at the 4 foot depth. Average concentrations of Arsenic for each depth 1 through 4 are summarized at the bottom of the table with the average concentration at the 1 foot depth of 0.97 , the 2 foot depth of 1.13 , the 3 foot depth of 1.01 and 4 foot depth of $1.32 \mathrm{mg} / \mathrm{kg}$. The Iron concentrations are summarized in Table 2 with all concentrations falling well below the SCTL of $53,000 \mathrm{mg} / \mathrm{kg}$. The high concentration was $11,000 \mathrm{mg} / \mathrm{kg}$ at the 4 foot depth in Soil Sample SS-13 during the initial sampling event.

In order to determine if the observed "highest concentrations" of Arsenic and Iron were reproduceable and to somewhat delineate these locations, a second sampling event was conducted which included collecting discrete soil samples at locations which initially had the highest concentration of either Arsenic, Iron or both. It should be noted when comparing Tables 1 and 2, that there is certainly a correlation between high concentrations of Arsenic coupled with Iron at many of the locations tested. The twenty-eight (28) discrete soil samples collected for Arsenic and Iron for resampling and delineation purposes are included in Appendix II and the resampling concentrations are shown in Tables 1 and 2 and designated as "resample"..

In most cases, the second sample collected within 1 foot of the initial sample returned significantly different results. Therefore, it does not appear that the high Arsenic concentrations initially encountered are reproduceable within just a few feet of the initial sample location at the given depth. Nevertheless, the delineation sampling is shown in Table 3. Through review of the Table, it can be seen that delineation Arsenic concentrations at Soil Sample SS-7 at the 4 foot depth all exceeded the 2.1 residential threshold. The delineation samples were collected 25 feet to the north, southwest and southeast of the initial sample locations. In the case of Soil Sample location SS-9, the original sample collected at the 4 foot depth returned a concentration of $6.19 \mathrm{mg} / \mathrm{kg}$.


However, a resample conducted at that same depth within 1 foot of the original location returned $0.849 \mathrm{mg} / \mathrm{kg}$. The delineation samples, however, revealed that two (2) of the samples to the southwest and southeast respectively exceeded the $2.1 \mathrm{mg} / \mathrm{kg}$ threshold.

The same inconsistency was encountered for Iron, for example refer to Soil Sample SS-13 at the 4 foot depth with the original Iron concentration detected at $11,000 \mathrm{mg} / \mathrm{kg}$. The resample collected at the same depth within a 1 foot of the original sample location returned only 1,050 . Therefore, it does not appear that the Arsenic and/or Iron concentrations are reproduceable in most locations.

With regard to Total Arsenic and Iron, note that the highest concentrations were generally found at the perimeter of the property adjacent to former or existing waterways or sloughs. Samples SS7, SS-8 and SS-9 are all close to the eastern boundary and may be influenced by hydric soils or fluctuating water tables. Likewise, Soil Samples SS-21 and SS-23 which also returned high concentrations are along the slough forming the western boundary of the property.

Finally, with regard to Arsenic and Irorı in the soils within the Albritton property, soil samples at each location which returned the highest Arsenic and/or Iron concentration were submitted to the laboratory for analysis following the SPLP leaching procedure. The laboratory analysis and chain-of-custody forms are included in Appendix III and the detected concentrations of Arsenic and Iron following the SPLP extraction are included in Table 4. As indicated, all Arsenic concentrations fall below $0.01 \mathrm{mg} / \mathrm{L}$, however, of the thirty-four (34) samples submitted, twenty-eight (28) exceeded the $0.3 \mathrm{mg} / \mathrm{L}$ Secondary Drinking Water Standard for Iron. Therefore, it appears that Iron is highly leachable in the on site soils.

## CONCLUSIONS

Through review of the data provided in the summary Tables 1 through 4, it is clear that Arsenic and Iron concentrations are highly variable across the site with maximum Arsenic concentrations detected of $6.22 \mathrm{mg} / \mathrm{kg}$ and the highest Iron concentration at $11,300 \mathrm{mg} / \mathrm{kg}$. The average Arsenic concentrations fall well below the $2.1 \mathrm{mg} / \mathrm{kg}$ direct exposure threshold for a residential scenario. Furthermore, use of the average concentration is certainly more representative of concentrations of Arsenic and Iron that will be expected due to the earth work activity not only to excavate the material but to place the material. Therefore, concentrations within the landfill should be much closer to the average concentration. Arsenic does not appear to be leachable as demonstrated by the SPLP analysis. Iron on the other hand, is highly leachable in the on-site soils. It appears that both Arsenic and Iron at the site are naturally occurring as it appears at all depths throughout the property and generally the highest concentrations are at the 3 to 4 foot depth, which would typically not be influenced by prior agricultural applications. No significant concentrations of herbicides or pesticides were detected in the on site soils.
Sarasota County Environmental Services
Solid Waste Operations
File No. 08-8722
December 29, 2008
It has been a pleasure to be of assistance to you with this project. Please contact our office if wemay be of further service to you or should you have any questions concerning this sarnpling andanalysis exercise.
Very truly yours,
Ardaman \& Associates, Inc.

Ashby Hoover, P.E. Senior Project Engineer FI. Lic. No. 49942

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TABLE 1: SOIL ANALYTICAL DATA SUMMARY - Arsenic
Project ID: Albritton Property

| Laboratory Analysis - Arsenic by 6010 (SCTL = $2.1 \mathrm{mg} / \mathrm{kg}$ ) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sample |  |  |  |  |  |
| Location | Date | Depth* |  |  |  |
|  |  | 1 | 2 | 3 | 4 |
| SS-1 | 11/05/08 | 1.2 | 0.7181 | 0.7971 | 0.6091 |
| SS-2 | 11/04/08 | 0.666 I | 0.838 | 0.853 | 0.332 J |
| SS-2 (Resample) | 11/21/08 |  |  | 1.17 I |  |
| SS-3 | 11/04/08 | 1.22 | 1.47 | 1.31 | 1.11 |
| SS-4 | 11/05/08 | 1.27 | 0.557 I | 0.7181 | 0.7011 |
| SS-5 | 11/04/08 | 1.33 | 0.674 I | 0.9251 | 1.34 |
| SS-6 | 11/04/08 | 1.59 | 0.802 I | 0.586 U | 0.8011 |
| SS-7 | 11/04/08 | 0.5151 | 1.06 | 0.726 | 5.47 |
| SS-7 (Resample) | 11/21/08 |  |  |  | 3.18 |
| SS-8 | 11/04/08 | 0.5 U | 1.25 | 1.34 | 1.5 |
| SS-8 (Resample) | 11/21/08 |  |  |  | 6.22 |
| SS-9 | 11/05/08 | 0.7381 | 0.459 U | 3.11 | 6.19 |
| SS-9 (Resample) | 11/21/08 | ND | ND | 0.856 I | 0.8491 |
| SS-10 | 11/05/08 | 1.92 | 2.45 | 1.65 | 1.21 |
| SS-11 | 11/05/08 | 2.13 | 0.5471 | 0.853 | 0.83 |
| SS-12 | 11/05/08 | 0.7691 | 1.63 | 1.14 | 0.691 |
| SS-13 | 11/05/08 | 0.4761 | 0.4381 | 1.62 | 1.37 |
| SS-13 (Resample) | 11/21/08 |  |  |  | 0.547 U |
| SS-14 | 11/05/08 | 0.641 | 0.498 U | 3.12 | 0.807 |
| SS-15 | 11/05/08 | 1.1 | 1.11 | 0.406 U | 0.815 I |
| SS-16 | 11/05/08 | 0.7361 | 2.1 | 1.91 | 0.5361 |
| SS-17 | 11/06/08 | 0.907 I | 0.6841 | 0.922 | 2.23 |
| SS-18 | 11/06/08 | 0.99 I | 0.5111 | 1.1 | 0.431 I |
| SS-19 | 11/06/08 | 1.66 | 2.4 | 0.651 | 0.408 U |
| SS-20 | 11/06/08 | 0.622 I | 0.7981 | 0.475 U | 0.668 । |
| SS-21 | 11/06/08 | 1.58 | 4 | 0.964 | 1.48 |
| SS-21 (Resample) | 11/21/08 |  | 2.741 |  | 1.36 I |
| SS-22 | 11/06/08 | 0.7491 | 0.9191 | 0.422 I | 0.85 |
| SS-23 | 11/06/08 | 0.861 | 4.24 | 2.04 | 1.39 |
| SS-23 (Resample) | 11/21/08 |  |  |  | 0.681 I |
| SS-24 | 11/06/08 | 1.77 | 0.537 U | 0.683 | 0.976 |
| SS-25 | 11/06/08 | 0.596 U | 0.548 U | 0.375 I | 0.434 U |
| SS-26 | 11/06/08 | 0.6461 | 0.728 U | 0.409 U | 0.4 U |
| SS-27 | 11/07/08 | 0.7091 | 0.588 I | 0.4741 | 0.5761 |
| SS-28 | 11/07/08 | 0.9081 | 0.655 U | 0.4571 | 0.335 U |
| SS-29 | 11/07/08 | 0.5041 | 1.01 I | 0.71 | 0.5311 |
| SS-30 | 11/07/08 | 0.581 | 0.372 I | 0.4941 | 0.5461 |
| SS-31 | 11/07/08 | 0.879 I | 0.525 U | 0.591 | 1.41 |
| SS-32 | 11/07/08 | 1.18 | 0.6311 | 0.521 | 1.02 |
| Averaged Results by Depth |  | 0.97 | 1.13 | 1.01 | 1.32 |

Notes: SCTL = Soil Cleanup Target Level, Chapter 62-777, Florida Administrative Code, F.A.C., Table II.
$\mathrm{mg} / \mathrm{kg}=$ milligrams per kilogram
I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
$U=$ Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).
No Data = Blank
Bold = Analyte detected.
Shaded $=$ Analyte concentration exceeds SCTL.
*Sample Depths: $1=2^{\prime \prime}-6^{\prime \prime} ; 2=18^{\prime \prime}-24 " ; 3=30^{\prime \prime}-36 " ; 4=42^{\prime \prime}-48^{\prime \prime}$

TABLE 2: SOIL ANALYTICAL DATA SUMMARY - Iron
Project ID: Albritton Property

| Laboratory Analysis - Iron by 6010 (SCTL = 53,000 mg/kg) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sample |  |  |  |  |  |
| Location | Date | Depth ${ }^{*}$ |  |  |  |
|  |  | 1 | 2 | 3 | 4 |
| SS-1 | 11/05/08 | 2,020 | 851 | 1,240 | 929 |
| SS-2 | 11/04/08 | 1,420 | 1,860 | 3,990 | 299 |
| SS-2 (Resample) | 11/21/08 |  |  | 1,770 |  |
| SS-3 | 11/04/08 | 1,640 | 2,480 | 858 | 1,260 |
| SS-4 | 11/05/08 | 1,670 | 533 | 419 | 1,020 |
| SS-5 | 11/04/08 | 1,800 | 1,150 | 1,360 | 1,590 |
| SS-6 | 11/04/08 | 1,580 | 452 | 430 | 1,400 |
| SS-7 | 11/04/08 | 944 | 2,490 | 1,280 | 2,380 |
| SS-7 (Resample) | 11/21/08 |  |  |  | 4,460 |
| SS-8 | 11/04/08 | 667 | 1,170 | 2,620 | 4,560 |
| SS-8 (Resample) | 11/21/08 |  |  |  | 11,300 |
| SS-9 | 11/05/08 | 1,220 | 1,070 | 4,760 | 8,970 |
| SS-9 (Resample) | 11/21/08 |  |  | 1,890 | 3,080 |
| SS-10 | 11/05/08 | 2,250 | 1,790 | 421 | 1,890 |
| SS-11 | 11/05/08 | 1,540 | 534 | 1,210 | 1,070 |
| SS-12 | 11/05/08 | 911 | 1,450 | 700 | 555 |
| SS-13 | 11/05/08 | 759 | 600 | 3,610 | 11,000 |
| SS-13 (Resample) | 11/21/08 |  |  |  | 1,050 |
| SS-14 | 11/05/08 | 1,040 | 766 | 2,700 | 1,250 |
| SS-15 | 11/05/08 | 1,210 | 1,340 | 674 | 822 |
| SS-16 | 11/05/08 | 1,150 | 1,960 | 2,140 | 1,120 |
| SS-17 | 11/06/08 | 1,150 | 791 | 1,300 | 1,820 |
| SS-18 | 11/06/08 | 933 | 472 | 1,300 | 701 |
| SS-19 | 11/06/08 | 1,220 | 1,480 | 559 | 526 |
| SS-20 | 11/06/08 | 694 | 378 | 401 | 1,620 |
| SS-21 | 11/06/08 | 1,560 | 3,000 | 2,040 | 2,570 |
| SS-21 (Resample) | 11/21/08 |  | 3,240 |  | 5,190 |
| SS-22 | 11/06/08 | 1,450 | 835 | 192 | 894 |
| SS-23 | 11/06/08 | 1,820 | 7,050 | 4,020 | 2,090 |
| SS-23 (Resample) | 11/21/08 |  |  |  | 2,280 |
| SS-24 | 11/06/08 | 2,030 | 277 | 1,360 | 1,250 |
| SS-25 | 11/06/08 | 1,290 | 282 | 768 | 602 |
| SS-26 | 11/06/08 | 776 | 2,400 | 77.1 | 189 |
| SS-27 | 11/07/08 | 1,070 | 718 | 474 | 1,940 |
| SS-28 | 11/07/08 | 1,690 | 355 | 254 | 130 |
| SS-29 | 11/07/08 | 500 | 1,350 | 1,300 | 1,560 |
| SS-30 | 11/07/08 | 905 | 354 | 283 | 665 |
| SS-31 | 11/07/08 | 1,230 | 403 | 331 | 1,780 |
| SS-32 | 11/07/08 | 1,080 | 738 | 756 | 854 |
| Averaged Results by Depth |  | 1,288 | 1,350 | 1,392 | 2,238 |

Notes: SCTL = Soil Cleanup Target Level, Chapter 62-777, Florida Administrative Code, F.A.C., Table II.
$\mathrm{mg} / \mathrm{kg}=$ milligrams per kilogram
I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
$\mathrm{U}=$ Indicates that the compourid was analyzed for but not detected above the method detection limit (MDL).
No Data = Blank
Bold = Analyte detected.
Shaded = Analyte concentration exceeds SCTL.
*Sample Depths: $1=2^{\mathrm{n}}-6^{\mathrm{a}} ; 2=18^{\mathrm{n}}-24^{\mathrm{n}} ; 3=30^{\mathrm{n}}-36^{\mathrm{n}} ; 4=42^{\mathrm{n}}-48^{\mathrm{n}}$

TABLE 3: SOIL ANALYTICAL DATA SUMMARY - Delineation Sampling
Project ID: Albritton Property

| Laboratory Analysis - Arsenic by 6010 (SCTL = $2.1 \mathrm{mg} / \mathrm{kg}$ ); Iron by 6010 (SCTL = 53,000 mg/kg) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Sample |  |  |  |  |
| Location | Date | Depth* | Arsenic | Iron |
| SS-7 | 11/04/08 | 4 | 5.47 | 2,380 |
| SS-7 (Resample) | 11/21/08 | 4 | 3.18 | 4,460 |
| SS-7 (25' N) | 11/21/08 | 4 | 3.06 | 5,130 |
| SS-7 (25' SW) | 11/21/08 | 4 | 3.04 | 4,790 |
| SS-7 (25' SE) | 11/21/08 | 4 | 2.13 | 2,840 |
| SS-9 | 11/05/08 | 4 | 6.19 | 8,970 |
| SS-9 (Resample) | 11/21/08 | 4 | 0.8491 | 3,080 |
| SS-9 (25' N) | 11/21/08 | 4 | 0.553 U | 2,120 |
| SS-9 (25' SW) | 11/21/08 | 4 | 5.51 | 5,810 |
| SS-9 (25' SE) | 11/21/08 | 4 | 3.83 | 9,490 |
| SS-13 | 11/05/08 | 4 | 1.37 | 11,000 |
| SS-13 (Resample) | 11/21/08 | 4 | 0.547 U | 1,050 |
| SS-13 (25' N ) | 11/21/08 | 4 | 0.6721 | 696 |
| SS-13 (25' SW) | 11/21/08 | 4 | 6.88 | 6,120 |
| SS-13 (25' SE) | 11/21/08 | 4 | 0.9361 | 5,430 |
| SS-21 | 11/06/08 | 2 | 4 | 3,000 |
| SS-21 (Resample) | 11/21/08 | 2 | 2.741 | 3,240 |
| SS-21 (25' N) | 11/21/08 | 2 | 2.351 | 1,130 |
| SS-21 (25' SW) | 11/21/08 | 2 | 2.231 | 972 |
| SS-21 (25' SE) | 11/21/08 | 2 | 1.231 | 5,650 |
| SS-23 | 11/06/08 | 4 | 1.39 | 2,090 |
| S5-23 (Resample) | 11/21/08 | 4 | 0.681 I | 2,280 |
| SS-23 (25' N) | 11/21/08 | 4 | 0.544 U | 2,110 |
| SS-23 (25' SW) | 11/21/08 | 4 | 5.51 | 4,770 |
| SS-23 (25' SE) | 11/21/08 | 4 | 0.75 I | 2,720 |
| Averaged Results by Analyte |  |  | 2.63 | 4,053 |

Notes: SCTL = Soil Cleanup Target Level, Chapter 62-777, Florida Administrative Code, F.A.C., Table II. $\mathrm{mg} / \mathrm{kg}=$ milligrams per kilogram
$I=$ The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. $\mathrm{U}=$ Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).
Bold = Analyte detected.
Shaded = Analyte concentration exceeds SCTL.
${ }^{*}$ Sample Depths: $2=18^{\mathrm{n}}-24^{\mathrm{n}} ; 4=42^{\mathrm{n}}-48^{\mathrm{n}}$

TABLE 4: SOIL ANALY7ICAL DATA SUMMARY - Leachability Analysis
Project ID: Albritton Property

| Laboratory Analysis - Method 6010 SPLP (mg/L) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample |  |  |  |  |  |  |
| Location | Date | Analyte | Depth* |  |  |  |
|  |  |  | 1 | 2 | 3 | 4 |
| SS-1 | 11/05/08 | Arsenic | 0.00419 I |  |  |  |
|  |  | Iron | 3.1 |  |  |  |
| SS-2 | 11/04/08 | Arsenic |  |  | 0.00331 U |  |
|  |  | Iron |  |  | 1.49 |  |
| SS-3 | 11/04/08 | Arsenic |  | 0.00331 U |  |  |
|  |  | Iron |  | 0.442 |  |  |
| SS-4 | 11/05/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 2.24 |  |  |  |
| SS-5 | 11/04/08 | Arsenic |  |  |  | 0.00331 U |
|  |  | Iron |  |  |  | 0.188 |
| SS-6 | 11/04/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 2) 1.77 |  |  |  |
| SS-7 | 11/04/08 | Arsenic |  |  |  | 0.00458 I |
|  |  | Iron |  |  |  | 0.489 |
| SS-8 | 11/04/08 | Arsenic |  |  |  | 0.00331 U |
|  |  | Iron |  |  |  | 1.53 |
| SS-9 | 11/05/08 | Arsenic |  |  | 0.00331 U | 0.00331 U |
|  |  | Iron |  |  | 2.27 | 2.22 |
| SS-10 | 11/05/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 0.89 |  |  |  |
| SS-11 | 11/05/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 0.827 |  |  |  |
| SS-12 | 11/05/08 | Arsenic |  | 0.00451 |  |  |
|  |  | Iron |  | 0.0997 |  |  |
| SS-13 | 11/05/08 | Arsenic |  |  |  | 0.00331 U |
|  |  | Iron |  |  |  | 4.68 |
| SS-14 | 11/05/08 | Arsenic |  |  | 0.00402 I |  |
|  |  | Iron |  |  | 2.65 |  |
| SS-15 | 11/05/08 | Arsenic |  | 0.00504 I |  |  |
|  |  | Iron |  | 3.58 |  |  |
| SS-16 | 11/05/08 | Arsenic |  | 0.00331 U |  |  |
|  |  | Iron |  | 2.89. |  |  |
| SS-17 | 11/06/08 | Arsenic |  |  |  | 0.00331 U |
|  |  | Iron |  |  |  | 1.44 |
| SS-18 | 11/06/08 | Arsenic |  |  | 0.003541 |  |
|  |  | Iron |  |  | 1.13 |  |
| SS-19 | 11/06/08 | Arsenic |  | 0.0031 U |  |  |
|  |  | Iron |  | 0.116 |  |  |
| SS-20 | 11/06/08 | Arsenic |  | 0.00331 U |  |  |
|  |  | Iron |  | 0.27 |  |  |
| SS-21 | 11/06/08 | Arsenic |  | 0.004161 |  |  |
|  |  | Iron |  | 0.102 |  |  |
| SS-22 | 11/06/08 | Arsenic |  |  |  | 0.00331 U |
|  |  | Iron |  |  |  | 1.6 |
| SS-23 | 11/06/08 | Arsenic |  | 0.003321 | 0.00331 U |  |
|  |  | Iron |  | 3.72 | 3.79 |  |

TABLE 4: SOIL ANALYTICAL DATA SUMMARY - Leachability Analysis (Continued)
Project ID: Albritton Property

| Laboratory Analysis - Method 6010 SPLP (mg/L) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample |  |  |  |  |  |  |
| Location | Date | Analyte | Depth* |  |  |  |
|  |  |  | 1 | 2 | 3 | 4 |
| SS-24 | 11/06/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 0.233 |  |  |  |
| SS-25 | 11/06/08 | Arsenic |  |  | 0.00331 U |  |
|  |  | Iron |  |  | 3.63 |  |
| SS-26 | 11/06/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 1.04 |  |  |  |
| SS-27 | 11/07/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | - 3.33 |  |  |  |
| SS-28 | 11/07/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 0.588 |  |  |  |
| SS-29 | 11/07/08 | Arsenic |  | 0.004831 |  |  |
|  |  | Iron |  | 16.1 |  |  |
| SS-30 | 11/07/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 1.9 |  |  |  |
| SS-31 | 11/07/08 | Arsenic |  |  |  | 0.00331 U |
|  |  | Iron |  |  |  | 3.13 |
| SS-32 | 11/07/08 | Arsenic | 0.00331 U |  |  |  |
|  |  | Iron | 0.381 |  |  |  |

Notes: SPLP = Synthetic Precipitation Leaching Procedure
SPLP analysis used to determine Leachability Based on Groundwater Criteria as defined in Chapter 62-777, Florida Administrative Code, F.A.C., Table II, Soll Cleanup Target Levels.
Primary Drinking Water Standard for Arsenic $=0.01 \mathrm{mg} / \mathrm{L}$.
Secondary Drinking Water Standard for Iron $=0.3 \mathrm{mg} / \mathrm{L}$.
$\mathrm{mg} / \mathrm{L}=$ milligrams per liter
$\mathrm{I}=$ The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
$U=$ Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).
No Data = Blank
Bold = Analyte detected.
Shaded $=$ Analyte concentration exceeds applicable standard.
*Sample Depths: $1=2^{\mathrm{n}}-6^{\mathrm{n}} ; 2=18^{\mathrm{n}}-24^{\mathrm{n}} ; 3=30^{\mathrm{n}}-36^{\mathrm{n}} ; 4=42^{\mathrm{n}}-48^{\mathrm{n}}$

APPENDIX I
11.4.08 Albrittan Property $\mid 08-8722$

Began layout and soil sampling a northern end of property in Phase 111 . Area 0 (4) grab samples ware collected for 6010 arsenic (AS) and iron (Fe)@ each location as follows:

| Sample 10 | Depth |
| :--- | :--- |
| SS-\#-1 | $0-6^{\prime \prime}$ |
| SS- \#-2 | $18^{\prime \prime}-24^{\prime \prime}$ |
| SS- \#-3. | $30^{\prime \prime}-36^{\prime \prime}$ |
| $S S-\#-4$ | $42^{\prime \prime}-48^{\prime \prime}$ |

Additiontly, (1) composite sample for $341,815,3081$ mas collected wifi a $10^{\prime}$ radius of each location.
(5) subsamples were collected from a depth of $0-6^{\prime \prime}$, one antrolly and four offset $10^{\prime}$ ( 2 laterally 72 longitudinally with existing rows). Sample ID: CSS-\#
All samples and subsamples were collected w/ 55 anger buckets. One bucket was used to collected the grab sample from $0-6^{\prime \prime}$, followed by the subsamples for the ' composite sample Three additional SS anger buckets ware used to collect the grab samples
from depth $-2,-3$, and -4 rapectivaly. The subsamples were homoginized in SS bowl with SS scoop.
All SS equipment was field deconed with a tap water bath, Liquinox soap solution both and an analytefree $H_{2} O$ rinse prior to each location. Samples were placed on wet ice for temporary storage and transport. Sample locations were located with GPS marker.
11.5008

Continued Soil sampling. Commensed activities in Phase $1 V(19.8 \mathrm{AC})$ area.
11.6 .08

Continued soil sampling. Commensed activitios in Phase IV $(33.5 \mathrm{AC})$ area.
11.7 .08

Con tinned /Competed soil sampling. Commented activities in Phase IV ( $14,8 \mathrm{AC}$ ) area.
Note: Sec boring logs for soil profiles.


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## Chain of Custody Record Record/Work Request

 PEL Laboratories, Inc.

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9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNINGLAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.


## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party bencficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHALN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABLITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET' FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABLITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER-IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSDDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVALLABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## - CERTIFICATE OF ANALYSIS -

Report Date: 11/20/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED: Wednesday, November 05, 2008

Project Notes:

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range 3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.

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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.

The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510838
Client: Ardaman \& Associates
I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.
IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

## B. Blanks:

## 1. Calibration Blanks:

All acceptance criteria were met. No action required. The following ICB/CCB(s) had element concentrations below the RL:

CCB662132 was analyzed on 11/17/08 14:10. The following analyte(s) were detected below RL: Iron at $6.16 \mathrm{ug} / \mathrm{L}$.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.

## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510838
Client: Ardaman \& Associates
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.

## F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE:_11/18/2008

Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.
III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met with the exception of:
All PEMs and CCVs that followed samples from this project failed due to degradation of the analytical system by these sample extracts. The compound most affected is $4,4^{\prime}-$ DDT, which is converted to $4,4^{\prime}$-DDD as is demonstrated in the PEMs and CCVs. Since 4,4'-DDD was not detected in any sample in this SDG, and $4,4^{\prime}$ '-DDT was detected just above MDL in one sample, it is safe to say they were not missed in the samples. Also, no other target analytes were detected in this SDG.

CCVs CCV661958 and CCV661960 on column STX-CLP1 had most compounds outside the $15 \%$ D criterion with an average $\%$ D of greater than $15 \% .4,4^{\prime}$-DDT and Methoxychlor were more than $50 \% \mathrm{D}$. The corresponding CCVs, CCV661959 and CCV661961 on column STX-CLP2 also had substantial \%Ds for 4,4'-DDT and Methoxychlor, with all other compounds within control limits.
The Toxaphene CCVs from these CCVset were outside control limits on both columns.
Note that the instrument was returned to compliant performance before the second day of analysis and that comparable degradation occurred after the first samples from this project.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510838

## Client: Ardaman \& Associates

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE:__11/18/2008

# CASE NARRATIVE <br> GC/NPD SEMIVOLATILE ORGANIC 

PEL Lab Reference No./SDG: 2510838
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.

## C. Surrogates:

All acceptance criteria were met with the exception of: Sample CSS-2 was recovered below criteria for the following surrogate(s): TPPTriphenylphosphate at $34.1 \%$ with criteria of ( $60-130$ ).

Sample CSS-3 was recovered below criteria for the following surrogate(s): TPPTriphenylphosphate at $35.5 \%$ with criteria of ( $60-130$ ).

Samples were re-analyzed with similar results. Since the no target compounds were found in the samples, and the lab MDLs were well below RLs, and it can be reasonably assured that no target compounds were present above RL, so no further action was taken.

Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

## CASE NARRATIVE <br> GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510838
Client: Ardaman \& Associates
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

DATE: 11/20/2008

# CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC 

PEL Lab Reference No./SDG: 2510838
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 299BLK was recovered below criteria for the following surrogate(s): DCAA at $22.3 \%$ with criteria of (42-108).

Samples coded accordingly.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 299LCS was analyzed with the soil samples extracted on 11/10/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $25.6 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $46.1 \%$ with criteria of (55138), 2,4 '-D at $20.2 \%$ with criteria of ( $30-167$ ), Dichloroprop at $25.9 \%$ with criteria of (42-156). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $25.6 \%$ with criteria of (26.5-142.5).

Samples coded accordingly.

CASE NARRATIVE
GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510838
Client: Ardaman \& Associates
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.
E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083801
Client ID : SS-6-1
Matrix : SO

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/4/2008 1:43:00 PM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.59 | $11 / 17 / 2008$ | $23: 14$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.564 |
| Iron | 6010 | 1580 | $11 / 17 / 2008$ | $23: 14$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.677 |


| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083802
Client ID : SS-6-2
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.802 I | 11/17/2008 23:45 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.481 | 0.962 | 1 |
| Iron | 6010 | 452 | 11/17/2008 23:45 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.577 | 4.81 | 1 |


| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083803
Client ID : SS-6-3
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter |  | Method | Results | Date | Date | Units | MDL | RL |
| Factor |  |  |  |  |  |  |  |  |
| Arsenic | 6010 | 0.586 U | $11 / 17 / 2008$ | $23: 49$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.586 |
| Iron | 6010 | 430 | $11 / 17 / 2008$ | $23: 49$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.703 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083804
Client ID : SS-6-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.801 I | 11/17/2008 23:53 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.45 | 0.9 | 1 |
| Iron | 6010 | 1400 | 11/17/2008 23:53 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.54 | 4.5 | 1 |

# - CERTIFICATE OF ANALYSIS - 

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083805
Client ID : CSS-6
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.31 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.31 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/14/2008 23:28 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.79 U | 11/14/2008 23:28 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.79 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/14/2008 23:28 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/14/2008 23:28 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/14/2008 23:28 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.22 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.22 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.3 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/14/2008 23:28 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 28 U | 11/14/2008 23:28 | 11/14/2008 16:23 | ug/Kg | 28 | 41 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 73.2 | 11/14/2008 23:28 | 11/14/2008 16:23 | \% | 28 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 79.9 | 11/14/2008 23:28 | 11/14/2008 16:23 | \% | 28 | (25-143) | 1 |
| Azinphos methyl | 8141 | 27 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 27 | 130 | 1 |
| Demeton-o | 8141 | 10 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 10 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 13 | 130 | 1 |
| Piazinon | 8141 | 17 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 17 | 130 | 1 |
| bisulfoton | 8141 | 23 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 23 | 130 | 1 |
| Ethion | 8141 | 28 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 14 | 130 | 1 |
| Parathion | 8141 | 30 U | 11/19/2008 6:52 | 11/18/2008 0:00 | ug/Kg | 30 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 93.5 | 11/19/2008 6:52 | 11/18/2008 0:00 | \% | 30 | (60-130) | 1 |
| 2,4,5-T | 8151 | $2 \mathrm{J3MU}$ | 11/11/2008 18:15 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 U | 11/11/2008 18:15 | 11/10/2008 16:25 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J3U | 11/11/2008 18:15 | 11/10/2008 16:25 | ug/Kg | 2.5 | 11 | 1 |
| 8,4-DB | 8151 | 3 U | 11/11/2008 18:15 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 3 | 11 | 1 |
| Jalapon | 8151 | 3.9 U | 11/11/2008 18:15 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 3.9 | 33 | 1 |
| Dicamba | 8151 | 2 U | 11/11/2008 18:15 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| Pichloroprop | 8151 | 1.8 J 3 U | 11/11/2008 18:15 | 11/10/2008 16:25 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/11/2008 18:15 | 11/10/2008 16:25 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 786 U | 11/11/2008 18:15 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 786 | 1660 | 1 |
| MCPP | 8151 | 598 U | 11/11/2008 18:15 | 11/10/2008 16:25 | ug/Kg | 598 | 1660 | 1 |
| DCAA(SURR) | 8151 | 74.8 | 11/11/2008 18:15 | 11/10/2008 16:25 | \% | 598 | (42-108) | 1 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251083806
Client ID : SS-2-1
Matrix : SO

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/4/2008 12:05:00 PM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.666 I | 11/17/2008 23:57 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.534 | 1.07 | 1 |
| Iron | 6010 | 1420 | 11/17/2008 23:57 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.641 | 5.34 | 1 |

FLDOH \#E84207

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251083807
Client ID : SS-2-2
Matrix : SO

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 4 / 2008$ 12:07:00 PM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 0.838 | $11 / 18 / 2008$ | $0: 01$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.329 |
| 6010 | 1860 | $11 / 18 / 2008$ | $0: 01$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.395 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083808
Client ID : SS-2-3
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.853 | 11/18/20080:05 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.376 | 0.753 | 1 |
| Iron | 6010 | 3990 | 11/18/2008 0:05 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.452 | 3.76 | 1 |

Collection Information:
Sample Date: $11 / 4 / 2008$ 12:09:00 PM

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083809
Client ID : SS-2-4
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | $0.332 ~ I$ | $11 / 18 / 2008$ | $0: 09$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.322 |
| Iron | 6010 | 299 | $11 / 18 / 2008$ | $0: 09$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.386 |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083810
Client ID : CSS-2

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4-DDE | 8081 | 0.22 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/Kg | 0.22 | 1.2 | 1 |
| 4,4-DDT | 8081 | 0.321 | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.31 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.78 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.78 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 u | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{kg}$ | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.29 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.29 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/15/2008 0:00 | 11/14/2008 16:23 | ug/kg | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 27 U | 11/15/2008 0:00 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 41 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 67.5 | 11/1/5/2008 0:00 | 11/14/2008 16:23 | \% | 27 | (35-135) | 1 |
| Decachlorobipheny(SURR) | 8081 | 82.4 | 11/15/2008 0:00 | 11/14/2008 16:23 | \% | 27 | (25-143) | 1 |
| Azinphos methyl | 8141 | 27 U | 11/19/2008 7:53 | 11/18/20080:00 | ug/kg | 27 | 130 | 1 |
| Demeton-0 | 8141 | 10 U | 11/19/2008 7:53 | 11/18/20080:00 | ug/kg | 10 | 130 | 1 |
| Demeton-s | 8141 | 12 U | 11/19/2008 7:53 | 11/18/20080:00 | ug/kg | 12 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11119/2008 7:53 | 11/18/20080:00 | ug/kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 22 U | 11/19/2008 7:53 | 11/1/12008 0:00 | ug/kg | 22 | 130 | 1 |
| Ethlon | 8141 | 28 U | 11/19/2008 7:53 | 11/18/20080:00 | ug/kg | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/19/2008 7:53 | 11/18/20080:00 | ug/kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/19/2008 7:53 | 11/18/20080:00 | ug/kg | 14 | 130 | 1 |
| Parathion | 8141 | 30 U | 11/19/2008 7:53 | 11/18/20080:00 | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 130 | 1 |
| TPP-Triphenyliphosphate(SURR) | 8141 | 34.1 J1 | 11/1912008 7:53 | 11/18/2008 0:00 | \% | 30 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J JмU | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 U | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J3U | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/11/2008 18:51 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 3 | 11 | 1 |
| Dalapon | 8151 | 3.8 U | 11/11/2008 18:51 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 3.8 | 33 | 1 |
| Dicamba | 8151 | 2 U | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/Kg | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J3U | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 779 U | 11/11/2008 18:51 | 11/10/2008 16:25 | ug/kg | 779 | 1650 | 1 |
| MCPP | 8151 | 593 U | 11/11/2008 18:51 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 593 | 1650 | 1 |
| DCAA(SURR) | 8151 | 78.6 | 11/11/2008 18:51 | 11/10/2008 16:25 | \% | 593 | (42-108) | 1 |

Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251083811
Client ID : SS-3-1
Matrix : SO
Collection Information:
Sample Date: $\quad 11 / 4 / 2008$ 11:19:00 AM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.22 | 11/18/2008 0:13 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.536 | 1.07 | 1 |
| fron | 6010 | 1640 | 11/18/2008 0:13 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.643 | 5.36 | 1 |

To: $\begin{array}{ll}\text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$

PEL Lab\# : 251083812
Client ID : SS-3-2
Matrix : SO

|  |  |  |  |  |  |  | Analysis | Prep |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.47 | $11 / 18 / 2008$ | $0: 18$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.674 |
| Iron | 6010 | 2480 | $11 / 18 / 2008$ | $0: 18$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.809 |

## Collection Information:

Sample Date: $\quad 11 / 4 / 2008$ 11:23:00 AM
PROJECT ID: Albritton Property / 08-8722

Iron $6010 \quad 2480$

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

Collection Information:
Sample Date: 11/4/2008 11:25:00 AM
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.31 | $11 / 18 / 2008$ | $0: 33$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.505 |
| Iron | 6010 | 858 | $11 / 18 / 2008$ | $0: 33$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.606 |

To: Chip Hoover
Ardaman \& Associates
PEL Lab\# : 251083814
Client ID : SS-3-4
WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: $\quad$ 11/4/2008 11:28:00 AM
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.11 | 11/18/2008 0:37 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.424 | 0.849 | 1 |
| Iron | 6010 | 1260 | 11/18/2008 0:37 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{kg}$ | 0.509 | 4.24 | 1 |

# - CERTIFICATE OF ANALYSIS - 



FLDOH \#E84207

Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083815
Client ID : CSS-3
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.45 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.45 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.24 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.24 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.34 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.34 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.85 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.85 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.8 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 1.8 | 13 | 1 |
| delta-BHC | 8081 | 0.25 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/kg | 0.25 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.26 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/kg | 0.26 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.18 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/kg | 0.18 | 1.3 | 1 |
| Endrin | 8081 | 0.23 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.32 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.32 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.18 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.18 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.24 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 0.24 | 1.3 | 1 |
| Toxaphene | 8081 | 29 U | 11/15/2008 0:32 | 11/14/2008 16:23 | ug/Kg | 29 | 44 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 65.4 | 11/15/2008 0:32 | 11/14/2008 16:23 | \% | 29 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 67.1 | 11/15/2008 0:32 | 11/14/2008 16:23 | \% | 29 | (25-143) | 1 |
| Azinphos methyl | 8141 | 28 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 28 | 130 | 1 |
| Demeton-o | 8141 | 11 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/kg | 11 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 13 | 130 | 1 |
| biazinon | 8141 | 18 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 18 | 130 | 1 |
| Disulfoton | 8141 | 24 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 24 | 130 | 1 |
| Ethion | 8141 | 29 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 29 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 15 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 15 | 130 | 1 |
| Parathion | 8141 | 32 U | 11/19/2008 8:55 | 11/18/2008 0:00 | ug/Kg | 32 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 35.5 J 1 | 11/19/2008 8:55 | 11/18/2008 0:00 | \% | 32 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.7 J 3 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 2.7 | 12 | 1 |
| 2.4-DB | 8151 | 3.2 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 3.2 | 12 | 1 |
| Dalapon | 8151 | 4.2 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 4.2 | 36 | 1 |
| Dicamba | 8151 | 2.1 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 2.1 | 12 | 1 |
| Pichloroprop | 8151 | 1.9 J 3 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 1.9 | 12 | 1 |
| binoseb | 8151 | 2.5 U | 11/11/2008 19:28 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2.5 | 12 | 1 |
| MCPA | 8151 | 843 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 843 | 1780 | 1 |
| MCPP | 8151 | 641 U | 11/11/2008 19:28 | 11/10/2008 16:25 | ug/Kg | 641 | 1780 | 1 |
| PCAA(SURR) | 8151 | 71.2 | 11/11/2008 19:28 | 11/10/2008 16:25 | \% | 641 | (42-108) | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083816
Client ID: SS-7-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.515 I | 11/18/2008 0:42 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.457 | 0.914 | 1 |
| Iron | 6010 | 944 | 11/18/2008 0:42 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.548 | 4.57 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251083817
Client ID : SS-7-2
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.06 | $11 / 18 / 2008$ | $0: 46$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.309 |
| Iron | 6010 | 2490 | $11 / 18 / 2008$ | $0: 46$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.371 |


| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083818
Client ID : SS-7-3
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.726 | $11 / 18 / 2008$ | $0: 50$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.322 |
| Iron | 6010 | 1280 | $11 / 18 / 2008$ | $0: 50$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.386 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: 11/4/2008 2:20:00 PM
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 5.47 | 11/18/2008 0:54 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.392 | 0.783 | 1 |
| Iron | 6010 | 2380 | 11/18/2008 0:54 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.47 | 3.92 | 1 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083820
Client ID : CSS-7

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.31 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.31 | 1.2 | 1 |
| Adrin | 8081 | 0.12 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.79 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.79 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.3 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/15/2008 1:03 | 11/14/2008 16:23 | ug/ $/ \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $u g / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 27 U | 11/15/2008 1:03 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 41 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 60.2 | 11/15/2008 1:03 | 11/14/2008 16:23 | \% | 27 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 92.7 | 11/15/2008 1:03 | 11/14/2008 16:23 | \% | 27 | (25-143) | 1 |
| Azinphos methyl | 8141 | 27 U | 11/19/2008 9:56 | 11/18/2008 0:00 | ug/ Kg | 27 | 130 | 1 |
| Demeton-o | 8141 | 10 U | 11/19/2008 9:56 | 11/18/2008 0:00 | ug/ $/ \mathrm{Kg}$ | 10 | 130 | 1 |
| Demeton-s | 8141 | 12 U | 11/19/2008 9:56 | 11/18/2008 0:00 | ug/Kg | 12 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/19/20089:56 | 11/18/2008 0:00 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 22 U | 11/19/2008 9:56 | 11/18/2008 0:00 | ug/Kg | 22 | 130 | 1 |
| Ethion | 8141 | 28 U | 11/19/2008 9:56 | 11/18/2008 0:00 | ug/Kg | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/19/20089:56 | 11/18/20080:00 | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/19/20089:56 | 11/18/2008 0:00 | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 130 | 1 |
| Parathion | 8141 | 30 U | 11/19/2008 9:56 | 11/18/2008 0:00 | ug/Kg | 30 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 82.6 | 11/19/2008 9:56 | 11/18/2008 0:00 | \% | 30 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J3MU | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 U | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.6 J3U | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2.6 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 3 | 11 | 1 |
| Dalapon | 8151 | 3.9 U | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 3.9 | 33 | 1 |
| Dicamba | 8151 | 2 U | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J 3 U | 11/11/2008 20:04 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/11/2008 20:04 | 11/10/2008 16:25 | ug/ $/ \mathrm{Kg}$ | 2.3 | 11 | 1 |
| MCPA | 8151 | 790 U | 11/11/2008 20:04 | 11/10/2008 16:25 | ug/Kg | 790 | 1670 | 1 |
| MCPP | 8151 | 600 U | 11/11/2008 20:04 | 11/10/2008 16:25 | ug/ $/ \mathrm{Kg}$ | 600 | 1670 | 1 |
| DCAA(SURR) | 8151 | 73.8 | 11/11/2008 20:04 | 11/10/2008 16:25 | \% | 600 | (42-108) | 1 |

# - CERTIFICATE OF ANALYSIS - 

| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083821
Client ID : SS-5-1
Matrix : SO

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 4 / 2008$ 12:56:00 PM

| Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $11 / 18 / 2008$ | $0: 58$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.501 |
| 1 | 1 |  |  |  |  |
| $11 / 18 / 2008$ | $0: 58$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.602 |


| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083822
Client ID : SS-5-2
WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
Matrix : SO

|  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Analysis | Date | Date | Units | MDL | RL | Factor |
| :---: |
| Arsenic |
| Iron |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083823
Client ID : SS-5-3
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | $0.925 ~ I$ | $11 / 18 / 2008$ | $1: 07$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.492 |
| Iron | 6010 | 1360 | $11 / 18 / 2008$ | $1: 07$ | $11 / 13 / 2008$ | $10: 09$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.591 |

To: Chip Hoover
Ardaman \& Associates
PEL Lab\# : 251083824
Client ID : SS-5-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.34 | 11/18/2008 1:10 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.372 | 0.744 | 1 |
| Iron | 6010 | 1590 | 11/18/2008 1:10 | 11/13/2008 10:09 | $\mathrm{mg} / \mathrm{Kg}$ | 0.446 | 3.72 | 1 |

# - CERTIFICATE OF ANALYSIS - 

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083825
Client ID : CSS-5
Matrix : SO

|  |  |  |  | Analysis | Prep |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL |
| Rilution |  |  |  |  |  |  |  |
| Factor |  |  |  |  |  |  |  |

To: Chip Hoover
Ardaman \& Associates
PEL Lab\# : 251083826
Client ID : SS-8-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.5 U | 11/17/2008 13:53 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 | 1 |
| Iron | 6010 | 667 | 11/17/2008 13:53 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 5 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083827
Client ID : SS-8-2
Matrix : SO

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.25 | 11/17/2008 14:30 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.443 | 0.887 | 1 |
| Iron | 6010 | 1170 | 11/17/2008 14:30 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.532 | 4.43 | 1 |


| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

PEL Lab\# : 251083828

## Client ID : SS-8-3

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.34 | 11/17/2008 14:34 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.395 | 0.791 | 1 |
| Iron | 6010 | 2620 | 11/17/2008 14:34 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.474 | 3.95 | 1 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083829
Client ID : SS-8-4
Matrix : SO

## WORK ORDER: 2510838

PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 4 / 2008$ 2:50:00 PM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 1.5 | $11 / 17 / 2008$ | $14: 39$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.352 | 0.704 |
| 6010 | 4560 | $11 / 17 / 2008$ | $14: 39$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.422 | 3.52 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251083830
Client ID : CSS-8

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.4 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.4 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.21 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.21 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.3 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.3 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.76 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.76 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/15/2008 2:07 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.22 U | 11/15/2008 2:07 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.17 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.17 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.23 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.28 U | 11/15/2008 2:07 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/kg | 0.12 | 1.2 | 1 |
| Methoxychior | 8081 | 0.21 U | 11/15/2008 2:07 | 11/14/2008 16:23 | ug/Kg | 0.21 | 1.2 | 1 |
| Toxaphene | 8081 | 26 U | 11/15/2008 2:07 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 26 | 40 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 69.9 | 11/15/2008 2:07 | 11/14/2008 16:23 | \% | 26 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 96.6 | 11/15/2008 2:07 | 11/14/2008 16:23 | \% | 26 | (25-143) | 1 |
| Azinphos methyl | 8141 | 26 U | 11/19/2008 13:01 | 11/18/2008 0:00 | ug/Kg | 26 | 120 | 1 |
| Demeton-o | 8141 | 9.8 U | 11/19/2008 13:01 | 11/18/2008 0:00 | $\mathrm{ug} / \mathrm{Kg}$ | 9.8 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/19/2008 13:01 | 11/18/2008 0:00 | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/19/2008 13:01 | 11/18/2008 0:00 | $\mathrm{ug} / \mathrm{Kg}$ | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/19/2008 13:01 | 11/18/2008 0:00 | ug/kg | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/19/2008 13:01 | 11/18/2008 0:00 | ug/kg | 27 | 120 | 1 |
| Malathion | 8141 | 11 U | 11/19/2008 13:01 | 11/18/2008 0:00 | $\mathrm{ug} / \mathrm{Kg}$ | 11 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/19/2008 13:01 | 11/18/2008 0:00 | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 120 | 1 |
| Parathion | 8141 | 29 U | 11/19/2008 13:01 | 11/18/2008 0:00 | ug/Kg | 29 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 77.5 | 11/19/2008 13:01 | 11/18/2008 0:00 | \% | 29 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J3MU | 11/11/2008 21:17 | 11/10/2008 16:25 | $u g / \mathrm{Kg}$ | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 U | 11/11/2008 21:17 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/11/2008 21:17 | 11/10/2008 16:25 | ug/Kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 2.9 U | 11/11/2008 21:17 | 11/10/2008 16:25 | $u g / \mathrm{Kg}$ | 2.9 | 11 | 1 |
| Dalapon | 8151 | 3.8 U | 11/11/2008 21:17 | 11/10/2008 16:25 | ug/Kg | 3.8 | 32 | 1 |
| Dicamba | 8151 | 2 U | 11/11/2008 21:17 | 11/10/2008 16:25 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.7 J 3 U | 11/11/2008 21:17 | 11/10/2008 16:25 | ug/ Kg | 1.7 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/11/2008 21:17 | 11/10/2008 16:25 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 769 U | 11/11/2008 21:17 | 11/10/2008 16:25 | $u g / \mathrm{Kg}$ | 769 | 1620 | 1 |
| MCPP | 8151 | 585 U | 11/11/2008 21:17 | 11/10/2008 16:25 | ug $/ \mathrm{Kg}$ | 585 | 1620 | 1 |
| DCAA(SURR) | 8151 | 74.8 | 11/11/2008 21:17 | 11/10/2008 16:25 | \% | 585 | (42-108) | 1 |

FLDOH \#E84207
$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$
WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

## METHOD: 6010

Method Blank 272712

## Matrix : SQ

Associated Lab Samples : 251083801251083802251083803251083804251083806251083807251083808251083809251083811 251083812251083813251083814251083816251083817251083818251083819251083821251083822 251083823251083824272712272713272714


| LABORATORY CONTROL | SAMPLE | 272713 |  | Matrix : <br> SPIKE <br> \% REC | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  | \% REC <br> LImITS | RPD | RPD LIMIT |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 47 | 94 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4710 | 94.2 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 2727 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | RPD LIMIT |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 46.2 | 92.4 | (80-120) | 1.7 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4620 | 92.4 | (80-120) | 1.9 | 20 |
| LABORATORY CONTROL | SAMPLE | 2727 |  | Matrix | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | RPD LIMIT |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 47.2 | 94.4 | (80-120) |  |  |
| ron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4810 | 96.2 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 2727 |  | Matrix | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 44.7 | 89.4 | (80-120) | 5.4 | 20 |
| fon | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4640 | 92.8 | (80-120) | 3.6 | 20 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

Method Blank 272896
Associated Lab Samples : $\quad 251083805251083810251083815251083820251083825251083830272896272897$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.49 | 1 |
| 4,4'-DDE | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| 4,4'-DDT | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1 |
| Aldrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1 |
| alpha-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.93 | 1 |
| beta-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1 |
| Chlordane | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.9 | 1 |
| delta-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.27 | 1 |
| Dieldrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1 |
| Endosulfan I | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1 |
| Endosulfan II | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Endosulfan sulfate | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.19 | 1 |
| Endrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.25 | 1 |
| Endrin aldehyde | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.35 | 1 |
| gamma-BHC (Lindane) | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.19 | 1 |
| Heptachlor | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1 |
| Heptachlor epoxide | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1 |
| Methoxychlor | $U$ | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Toxaphene | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 78.3 | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(35-135)$ | 1 |
| Decachlorobiphenyl(SURR) (S) | 91.5 | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(25-143)$ | 1 |


| LABORATORY CO | SAMP | 272 |  | Matrix | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | sPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC LIMITS | RPD | RPD LIMIT |
| 4,4'-DDD | ug/Kg | 32.8 | 29.6 | 90.2 | (73-149) |  |  |
| 4,4'-DDE | ug $/ \mathrm{Kg}$ | 32.8 | 26.9 | 82 | (59-163) |  |  |
| 4,4'-DDT | ug/kg | 32.8 | 29.3 | 89.3 | (69-152) |  |  |
| Aldrin | ug/kg | 32.8 | 25.2 | 76.8 | (65-133) |  |  |
| alpha-BHC | ug/kg | 32.8 | 25 | 76.2 | (64-134) |  |  |
| beta-BHC | ug/Kg | 32.8 | 26.1 | 79.6 | (71-132) |  |  |
| delta-BHC | ug/Kg | 32.8 | 26.3 | 80.2 | (61-132) |  |  |
| Dieldrin | ug/Kg | 32.8 | 27.2 | 82.9 | (65-143) |  |  |
| Endosulfan I | ug/kg | 32.8 | 26.6 | 81.1 | (67-132) |  |  |
| Endosulfan II | ug/Kg | 32.8 | 29.5 | 89.9 | (70-142) |  |  |
| Endosulfan sulfate | ug/Kg | 32.8 | 30.6 | 93.3 | (70-138) |  |  |
| Endrin | ug/Kg | 32.8 | 28.5 | 86.9 | (67-154) |  |  |
| Endrin aldehyde | ug/Kg | 32.8 | 27.3 | 83.2 | (52-117) |  |  |
| gamma-BHC (Lindane) | ug/Kg | 32.8 | 25.4 | 77.4 | (64-135) |  |  |
| Heptachlor | ug/Kg | 32.8 | 25 | 76.2 | (60-137) |  |  |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
METHOD: 8081

| LABORATORY CONTRO | SAMP | 272897 |  | Matrix : SQ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE <br> CONC | LCS RESULT | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \% REC <br> LIMITS | RPD | RPD LIMIT |
| Heptachlor epoxide | ug/Kg | 32.8 | 24.2 | 73.8 | (66-128) |  |  |
| Methoxychlor | ug/kg | 32.8 | 31.7 | 96.6 | (64-159) |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug/Kg | 65.6 | 46.7 | 71.2 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 65.6 | 56.3 | 85.8 | (25-143) |  |  |

## - CERTIFICATE OF ANALYSIS -

$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$

Method Blank 273106
Matrix : SQ
Associated Lab Samples : 251083805251083810251083815251083820251083825251083830273106273107

| Parameter | Results | Analysis Date | Prep <br> Date | Units | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | $u$ | 11/19/2008 | 11/18/2008 | ug/Kg | 30 | 1 |
| Demeton-o | U | 11/19/2008 | 11/18/2008 | ug/Kg | 11 | 1 |
| Demeton-s | U | 11/19/2008 | 11/18/2008 | ug/kg | 14 | 1 |
| Diazinon | u | 11/19/2008 | 11/18/2008 | ug/kg | 19 | 1 |
| Disulfoton | U | 11/19/2008 | 11/18/2008 | ug/kg | 25 | 1 |
| Ethion | u | 11/19/2008 | 11/18/2008 | ug/kg | 31 | 1 |
| Malathion | U | 11/19/2008 | 11/18/2008 | ug/Kg | 13 | 1 |
| Methyl parathion | u | 11/19/2008 | 11/18/2008 | ug/kg | 16 | 1 |
| Parathion | U | 11/19/2008 | 11/18/2008 | ug/Kg | 34 | 1 |
| TPP-Triphenylphosphate(SURR) | 86.1 | 11/19/2008 | 11/18/2008 | \% | (60-130) | 1 |


| LABORATORY CONTRO | SAMP | 273 |  | Matrix | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \% \text { REC } \end{aligned}$ | \%REC LIMITS | RPD | RPD |
| Azinphos methyl | ug/Kg | 1670 | 1500 | 89.8 | (52-170) |  |  |
| Demeton-o | ug/Kg | 523 | 420 | 80.3 | (64-155) |  |  |
| Demeton-s | ug/kg | 1030 | 1000 | 97.1 | (60-144) |  |  |
| Dlazinon | ug/Kg | 1670 | 1600 | 95.8 | (12-176) |  |  |
| Disulfoton | ug/Kg | 1670 | 1600 | 95.8 | (59-143) |  |  |
| Ethion | ug/kg | 1670 | 1600 | 95.8 | (56-138) |  |  |
| Malathion | $\mathrm{ug} / \mathrm{Kg}$ | 1670 | 1600 | 95.8 | (68-157) |  |  |
| Methyl parathion | ug/Kg | 1670 | 1400 | 83.8 | (60-180) |  |  |
| Parathion | ug/Kg | 1670 | 1400 | 83.8 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | $\mathrm{ug} / \mathrm{Kg}$ | 667 | 600 | 90 | (60-130) |  |  |

## - CERTIFICATE OF ANALYSIS - <br> FLDOH \#E84207

To: | Chip Hoover |  |
| :--- | :--- |
|  | Ardaman \& Associates |

Ardaman \& Associates

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722

## METHOD: 8151

Method Blank 272463
Matrix : SQ

Associated Lab Samples : 251083805251083810251083815251083820251083825251083830272463272464

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4-D | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloroprop | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 707 | 1 |
| MCPP | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 538 | 1 |
| DCAA(SURR) (S) | 22.3 Jl | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\%$ | $(42-108)$ | 1 |


| LABORATOR | AMP | 272464 |  | Matrix : SQ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| -2,4,5-T | ug/Kg | 29.7 | 7.6 | 25.6 | * (41-128) |  |  |
| 2,4,5-TP (Silvex) | ug/Kg | 29.7 | 13.7 | 46.1 | * (55-138) |  |  |
| 2,4'-D | ug/Kg | 29.7 | 6 | 20.2 | * (30-167) |  |  |
| 2,4-DB | ug/Kg | 29.7 | 23 | 77.4 | (30-168) |  |  |
| Dalapon | ug/Kg | 74.3 | 23.5 | 31.6 | (30-129) |  |  |
| Dicamba | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 16.2 | 54.5 | (48-141) |  |  |
| Dichloroprop | ug/Kg | 29.7 | 7.7 | 25.9 | * (42-156) |  |  |
| Pinoseb | ug/Kg | 29.7 | 27.7 | 93.3 | (47-123) |  |  |
| MCPA | ug/Kg | 2970 | 2850 | 96 | (18-143) |  |  |
| MCPP | ug/Kg | 2970 | 1200 | 40.4 | (24-155) |  |  |
| DCAA(SURR) (S) | ug/Kg | 74.3 | 37.5 | 50.5 | (42-108) |  |  |


| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

WORK ORDER: 2510838
PROJECT ID: Albritton Property / 08-8722
Digitally signed
 by Mark
Gudnason
DN: $\mathrm{cn}=$ Mark
Gudnason,
$\mathrm{c}=\mathrm{US}$
Date:
2008.11.20

Validity
unknown

Brian C. Spann

Laboratory Manager
or
Mark Gudnason Quality Assurance Officer


Chain of Custody Record Record/Work Request

Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com


Tampa, FL 33634
Phone: 813-888-9507



## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2510838 |
| :--- | :--- |
| Client: | Ardaman |
| Level: | 1 |
| Rec'd via: | courier |
| Samples/Cooler Secure? |  |
| Temperature of Samples(Celsius) |  |
| pH Verified? |  |
| pH WNL? |  |
| Soil Origin (Domestic/Foreign): |  |
| Site Location/Project on COC? |  |
| Cllent Project \# on COC? |  |
| Project Mgr. Indlcated on COC? |  |
| COC relinqulshed/Dated by Client? |  |
| COC Received/Dated by PEL? |  |
| Specific Subcontract Indicated? |  |
| Samples Received By |  |



Yes_Al_ Yes
14 C All Samples Rec'd Intact? Yes
No Sample Vol. Stuff. For Analysis? Yes
No Samples Rec'd W/I Hold Time? Yes
Domestic Are All Samples to be Analyzed? Yes
Yes Correct Sample Containers? Yes

| Yes | COC Comments written on COC? | Yes |
| :--- | :--- | :--- |
| Yes | Samplers Initials on COC? | Yes |
| Yes | Sample Date/Time Indlcated? | Yes |
| Yes | TAT Requested: | STD |
| No | Client Requests Verbal Results? | No |
| courier | Client Requests Faxed Results? | No |
| Yes |  |  |

PEL to Conduct ALL Analyses?

Yes
Yes
Yes
STD
No
No

## Chain of Custody Record Record/Work Request

$\begin{array}{cc}8405 \text { Benjamin Rd, Suite A } & \text { d } \\ \text { Tampa, FL 33634 } & 9 \\ \text { Phone: 813-888-9507 } & 7 \\ \text { E-Mail: login@pelab.com } & n\end{array}$

Project Name/Number:
/brit/on Popert $108-8722$ Project Manager: Purchase Order:


## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty ( 60 ) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABLIITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL $8 \%$ OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABLITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request

8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com

## PEL Laboratories, Inc.



1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
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3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty ( 60 ) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
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9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
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PEL Laboratories, Inc.


1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set-fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MER CHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECLAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMTTATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

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$\qquad$

Florida Department of Health \#E84207
June 30, 2009
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: 11/17/2008

| To: Chip Hoover | W 941-922-3526 |
| :--- | :---: |
| Ardaman \& Associates | F 941-922-6743 |
| 78 Sarasota Center Boulevard |  |
| Sarasota, FL 34240 |  |
| USA |  |

PROJECT ID:
WORK ORDER:
DATE RECEIVED: Thursday, November 06, 2008

Project Notes:
(†): Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.
PEL Contact: Mark Gudnason / extension: 242

8405 Benjamin Road, Suite A• Tampa, Florida 33634
813-888-9507• FAX: 800-480-6435
Website: www.pelab.com

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3. The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M. The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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 regative deflection.
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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.

The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Note: There was not sufficient sample volume to perform a matrix spike/duplicate for the following method(s). : 8141
A Blank and Laboratory Control sample was analyzed to ensure the method performed within acceptable guidelines.

RL - Reporing Limit. The PEL lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

## CASE NARRATIVE <br> METALS

## PEL Lab Reference No./SDG: 2510859

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met.
B. Blanks:

## 1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE

METALS

PEL Lab Reference No./SDG: 2510859

Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


## SIGNED:

DATE: $11 / 16 / 2008$

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510859
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510859
Client: Ardaman \& Associates

## F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

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## CASE NARRATIVE <br> GC/NPD SEMIVOLATILE ORGANIC

## PEL Lab Reference No/SDG: 2510859

Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of: LCS 304LCS was analyzed with the soil samples extracted on 11/11/08. The following analyte(s) were recovered below criteria: Demeton-o at 61 $\%$ with criteria of (64-155).

Since this analyte was just below control limits and all other analytes were within control limits, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## CASE NARRATIVE <br> GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510859
Client: Ardaman \& Associates
E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

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DATE: 11/13/2008

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510859
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

## B. Blanks:

All acceptance criteria were met.

## C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 299BLK was recovered below criteria for the following surrogate(s): DCAA at $22.3 \%$ with criteria of (42-108).
Since the surrogates were within control limits for all the associated samples, no further action was taken.

Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 299LCS was analyzed with the soil samples extracted on 11/10/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $25.6 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $46.1 \%$ with criteria of (55138), 2,4 '-D at $20.2 \%$ with criteria of ( $30-167$ ), Dichloroprop at $25.9 \%$ with criteria of (42-156). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $25.6 \%$ with criteria of (26.5-142.5).

## CASE NARRATIVE

 GC/ECD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510859
Client: Ardaman \& Associates
Since no target analytes were found in the associated samples, and all analytes were within control limits for the batch MS/MSD set, no further action was taken

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/13/2008

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251085901
Client ID : SS-9-1
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 10:15:00 AM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.7381 | $11 / 14 / 2008$ | $18: 28$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.532 |
| Iron | 6010 | 1220 | $11 / 14 / 2008$ | $18: 28$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.639 |

# - CERTIFICATE OF ANALYSIS - <br> FLDOH \#E84207 

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085902
Client ID : SS-9-2
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.459 | $11 / 14 / 2008$ | $18: 59$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.459 | 0.918 |
| Iron | 6010 | 1070 | $11 / 14 / 2008$ | $18: 59$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.551 | 4.59 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085903
Client ID : SS-9-3
Matrix : SO

## WORK ORDER: 2510859

PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 10:19:00 AM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 3.11 | 11/14/2008 19:03 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.393 | 0.786 | 1 |
| Iron | 6010 | 4760 | 11/14/2008 19:03 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.472 | 3.93 | 1 |

- CERTIFICATE OF ANALYSIS -


## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085904
Client ID : SS-9-4
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722
Collection Information:
Sample Date: 11/5/2008 10:21:00 AM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 6.19 | $11 / 14 / 2008$ | $19: 07$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.572 |
| Iron | 6010 | 8970 | $11 / 14 / 2008$ | $19: 07$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.686 |

# - CERTIFICATE OF ANALYSIS - 

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085905
Client ID : CSS-9
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 10:23:00 AM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/11/2008 1:08 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.31 U | 11/11/2008 1:08 | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 0.31 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/kg | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.79 U | 11/11/2008 1:08 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.79 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/ Kg | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/11/2008 1:08 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/11/2008 1:08 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.3 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/11/2008 1:08 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 27 U | 11/11/2008 1:08 | 11/10/2008 12:12 | ug/Kg | 27 | 41 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 64.3 | 11/11/2008 1:08 | 11/10/2008 12:12 | \% | 27 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 72.9 | 11/11/2008 1:08 | 11/10/2008 12:12 | \% | 27 | (25-143) | ) 1 |
| Azinphos methy | 8141 | 27 U | 11/13/2008 0:08 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 120 | 1 |
| Demeton-o | 8141 | 10 J 3 U | 11/13/2008 0:08 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 10 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/13/2008 0:08 | 11/11/2008 13:45 | ug/kg | 12 | 120 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 0:08 | 11/11/2008 13:45 | ug/Kg | 17 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/13/2008 0:08 | 11/11/2008 13:45 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/13/2008 0:08 | 11/11/2008 13:45 | ug/Kg | 27 | 120 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 0:08 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 12 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/13/2008 0:08 | 11/11/2008 13:45 | $u \mathrm{~g} / \mathrm{Kg}$ | 14 | 120 | 1 |
| Parathion | 8141 | 30 U | 11/13/2008 0:08 | 11/11/2008 13:45 | ug/Kg | 30 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 79.4 | 11/13/2008 0:08 | 11/11/2008 13:45 | \% | 30 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2 J 3 MU | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J3U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.6 J3U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 2.6 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 3 | 11 | 1 |
| Dalapon | 8151 | 3.9 U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 3.9 | 33 | 1 |
| Dicamba | 8151 | 2 U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J3U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 787 U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 787 | 1660 | 1 |
| MCPP | 8151 | 599 U | 11/11/2008 21:53 | 11/10/2008 13:05 | ug/Kg | 599 | 1660 | 1 |
| DCAA(SURR) | 8151 | 79 | 11/11/2008 21:53 | 11/10/2008 13:05 | \% | 599 | (42-108) | ) 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085906
Client ID : SS-10-1
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 10:39:00 AM

|  |  |  | Analysis | Prep |  |  | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL |
| Factor |  |  |  |  |  |  |  |

# - CERTIFICATE OF ANALYSIS - 



To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085907
Client ID : SS-10-2
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 2.45 | $11 / 14 / 2008$ | $19: 20$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.844 |
| Iron | 6010 | 1790 | $11 / 14 / 2008$ | $19: 20$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 1.01 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085908
Client ID : SS-10-3
Matrix : SO

## WORK ORDER: 2510859

PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 10:43:00 AM

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.65 | $11 / 14 / 2008$ | $19: 24$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.778 |
| Iron | 6010 | 421 | $11 / 14 / 2008$ | $19: 24$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.933 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

PEL Lab\# : 251085909
Collection Information:
Client ID : SS-10-4
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.21 | $11 / 14 / 2008$ | $19: 28$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.475 |
| Iron | 6010 | 1890 | $11 / 14 / 2008$ | $19: 28$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.57 | 4.75 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085910
Client ID : CSS-10

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.52 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.52 | 1.5 | 1 |
| 4,4'-DDE | 8081 | 0.27 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.27 | 1.5 | 1 |
| 4,4'-DDT | 8081 | 0.39 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.39 | 1.5 | 1 |
| Aldrin | 8081 | 0.15 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.15 | 1.5 | 1 |
| alpha-BHC | 8081 | 0.98 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.98 | 1.5 | 1 |
| beta-BHC | 8081 | 0.15 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.15 | 1.5 | 1 |
| Chlordane | 8081 | 2 U | 11/11/2008 1:40 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 15 | 1 |
| delta-BHC | 8081 | 0.28 U | 11/11/2008 1:40 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1.5 | 1 |
| Dieldrin | 8081 | 0.16 U | 11/11/2008 1:40 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1.5 | 1 |
| Endosulfan 1 | 8081 | 0.22 U | 11/11/2008 1:40 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.5 | 1 |
| Endosulfan II | 8081 | 0.29 U | 11/11/2008 1:40 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.29 | 1.5 | 1 |
| Endosulfan sulfate | 8081 | 0.2 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.2 | 1.5 | 1 |
| Endrin | 8081 | 0.26 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.26 | 1.5 | 1 |
| Endrin aldehyde | 8081 | 0.36 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.36 | 1.5 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.2 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/kg | 0.2 | 1.5 | 1 |
| Heptachlor | 8081 | 0.15 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.15 | 1.5 | 1 |
| Heptachlor epoxide | 8081 | 0.15 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.15 | 1.5 | 1 |
| Methoxychlor | 8081 | 0.27 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 0.27 | 1.5 | 1 |
| Toxaphene | 8081 | 34 U | 11/11/2008 1:40 | 11/10/2008 12:12 | ug/Kg | 34 | 51 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 74.9 | 11/11/2008 1:40 | 11/10/2008 12:12 | \% | 34 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 71.9 | 11/11/2008 1:40 | 11/10/2008 12:12 | \% | 34 | (25-143) | 1 |
| Azinphos methyl | 8141 | 33 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 33 | 150 | 1 |
| Demeton-o | 8141 | 12 J 3 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 12 | 150 | 1 |
| Demeton-s | 8141 | 15 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 15 | 150 | 1 |
| Diazinon | 8141 | 20 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 20 | 150 | 1 |
| Disulfoton | 8141 | 28 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 28 | 150 | 1 |
| Ethion | 8141 | 34 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 34 | 150 | 1 |
| Malathion | 8141 | 14 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 14 | 150 | 1 |
| Methyl parathion | 8141 | 17 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 17 | 150 | 1 |
| Parathion | 8141 | 37 U | 11/13/2008 1:09 | 11/11/2008 13:45 | ug/Kg | 37 | 150 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 73.3 | 11/13/2008 1:09 | 11/11/2008 13:45 | \% | 37 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.4 J 3 MU | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 2.4 | 14 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.8 J 3 U | 11/11/2008 22:30 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 14 | 1 |
| 2,4'-D | 8151 | 3.1 J3U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 3.1 | 14 | 1 |
| 2,4-DB | 8151 | 3.7 U | 11/11/2008 22:30 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 3.7 | 14 | 1 |
| Dalapon | 8151 | 4.8 U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/ $/ \mathrm{Kg}$ | 4.8 | 41 | 1 |
| Dicamba | 8151 | 2.4 U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 2.4 | 14 | 1 |
| Dichloroprop | 8151 | 2.2 J 3 U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 2.2 | 14 | 1 |
| Dinoseb | 8151 | 2.8 U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 2.8 | 14 | 1 |
| MCPA | 8151 | 966 U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 966 | 2040 | 1 |
| MCPP | 8151 | 734 U | 11/11/2008 22:30 | 11/10/2008 13:05 | ug/Kg | 734 | 2040 | 1 |
| DCAA(SURR) | 8151 | 72.4 | 11/11/2008 22:30 | 11/10/2008 13:05 | \% | 734 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085911
Client ID : SS-11-1
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $\quad 11 / 5 / 2008$ 11:08:00 AM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | $\mathbf{2 . 1 3}$ | $\mathbf{1 1 / 1 4 / 2 0 0 8} 19: 32$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.526 | 1.05 |
| 6010 | $\mathbf{1 5 4 0}$ | $11 / 14 / 200819: 32$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.632 | 5.26 |

- CERTIFICATE OF ANALYSIS -



## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722
PEL Lab\# : 251085912
Client ID : SS-11-2
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.547 I | 11/14/2008 19:37 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.464 | 0.928 | 1 |
| Iron | 6010 | 534 | 11/14/2008 19:37 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.557 | 4.64 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085913
Client ID : SS-11-3
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 11:11:00 AM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 0.853 | $11 / 14 / 2008$ | $19: 55$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.325 |
| 6010 | 1210 | $11 / 14 / 2008$ | $19: 55$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.39 | 3.25 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722
Collection Information:
Sample Date: 11/5/2008 11:13:00 AM
Client ID : SS-11-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.83 | 11/14/2008 19:59 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.347 | 0.693 | 1 |
| Iron | 6010 | 1070 | 11/14/2008 19:59 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.416 | 3.47 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085915
Client ID : CSS-11
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 11:15:00 AM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.44 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.44 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.24 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.24 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.33 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.33 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.84 U | 11/11/2008 2:12 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.84 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/kg | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.7 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/11/2008 2:12 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/11/2008 2:12 | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.25 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.25 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.23 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.23 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.31 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.31 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/11/2008 2:12 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/11/2008 $2: 12$ | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.24 U | 11/11/2008 2:12 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.3 | 1 |
| Toxaphene | 8081 | 29 U | 11/11/2008 2:12 | 11/10/2008 12:12 | ug/Kg | 29 | 44 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 67.8 | 11/11/2008 2:12 | 11/10/2008 12:12 | \% | 29 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 80.5 | 11/11/2008 2:12 | 11/10/2008 12:12 | \% | 29 | (25-143) | 1 |
| Azinphos methyl | 8141 | 28 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 28 | 130 | 1 |
| Demeton-o | 8141 | $10 \mathrm{J3U}$ | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 10 | 130 | 1 |
| Demetan-s | 8141 | 13 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 24 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 24 | 130 | 1 |
| Ethion | 8141 | 29 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 29 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 15 U | 11/13/2008 2:10 | 11/11/2008 13:45 | ug/Kg | 15 | 130 | 1 |
| Parathion | 8141 | 31 U | 11/13/2008 2:10 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 31 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 75.6 | 11/13/2008 2:10 | 11/11/2008 13:45 | \% | 31 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J 3 MU | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 1.5 | 11 | 1 |
| 2,4'-D | 8151 | 2.6 J3U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 2.6 | 11 | 1 |
| 2,4-DB | 8151 | 3.1 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 3.1 | 11 | 1 |
| Dalapon | 8151 | 4 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 4 | 34 | 1 |
| Dicamba | 8151 | 2 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J 3 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.4 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 2.4 | 11 | 1 |
| MCPA | 8151 | 811 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/Kg | 811 | 1710 | 1 |
| MCPP | 8151 | 617 U | 11/12/2008 0:00 | 11/10/2008 13:05 | ug/ $/ \mathrm{Kg}$ | 617 | 1710 | 1 |
| DCAA(SURR) | 8151 | 78.9 | 11/12/2008 0:00 | 11/10/2008 13:05 | \% | 617 | (42-108) | 1 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251085916
Client ID : SS-12-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.769 I | 11/14/2008 20:03 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.555 | 1.11 | 1 |
| Iron | 6010 | 911 | 11/14/2008 20:03 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.666 | 5.55 | 1 |

Sample Date: 11/5/2008 11:34:00 AM
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085917
Client ID : SS-12-2
Matrix : SO

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 11:36:00 AM

| Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1 . 6 3}$ | $11 / 14 / 2008$ | $20: 07$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.612 | 1.22 |
| 1450 | $11 / 14 / 2008$ | $20: 07$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.735 | 6.12 |

- CERTIFICATE OF ANALYSIS -


To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $11 / 5 / 2008$ 11:40:00 AM
Matrix : SO

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 6010 | 1.14 | $11 / 14 / 2008$ | $20: 12$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.542 |
| Iron | 700 | $11 / 14 / 2008$ | 1.08 | 1 |  |  |  |  |
|  |  |  | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.65 | 5.42 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722
PEL Lab\# : 251085919
Client ID : $\quad$ SS-12-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.69 I | 11/14/2008 20:16 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.362 | 0.723 | 1 |
| Iron | 6010 | 555 | 11/14/2008 20:16 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.434 | 3.62 | 1 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085920
Client ID : CSS-12
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.46 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/kg | 0.46 | 1.4 | 1 |
| 4,4'-DDE | 8081 | 0.25 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.25 | 1.4 | 1 |
| 4,4'-DDT | 8081 | 0.35 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.35 | 1.4 | 1 |
| Aldrin | 8081 | 0.14 U | 11/11/2008 2:44 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| alpha-BHC | 8081 | 0.88 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.88 | 1.4 | 1 |
| beta-BHC | 8081 | 0.14 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.4 | 1 |
| Chlordane | 8081 | 1.8 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 1.8 | 14 | 1 |
| delta-BHC | 8081 | 0.26 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.26 | 1.4 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.4 | 1 |
| Endosulfan I | 8081 | 0.2 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/kg | 0.2 | 1.4 | 1 |
| Endosulfan II | 8081 | 0.26 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.26 | 1.4 | 1 |
| Endosulfan sulfate | 8081 | 0.18 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.18 | 1.4 | 1 |
| Endrin | 8081 | 0.24 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.24 | 1.4 | 1 |
| Endrin aldehyde | 8081 | 0.33 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.33 | 1.4 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.18 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.18 | 1.4 | 1 |
| Heptachlor | 8081 | 0.14 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.4 | 1 |
| Heptachlor epoxide | 8081 | 0.14 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.4 | 1 |
| Methoxychlor | 8081 | 0.25 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 0.25 | 1.4 | 1 |
| Toxapherie | 8081 | 30 U | 11/11/2008 2:44 | 11/10/2008 12:12 | ug/Kg | 30 | 46 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 70.1 | 11/11/2008 2:44 | 11/10/2008 12:12 | \% | 30 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 71.7 | 11/11/2008 2:44 | 11/10/2008 12:12 | \% | 30 | (25-143) | 1 |
| Azinphos methyl | 8141 | 29 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 29 | 140 | 1 |
| Demeton-o | 8141 | 11 J 3 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 11 | 140 | 1 |
| Demeton-s | 8141 | 14 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 14 | 140 | 1 |
| Diazinon | 8141 | 18 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 18 | 140 | 1 |
| Disulfotor | 8141 | 25 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 25 | 140 | 1 |
| Ethion | 8141 | 30 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 30 | 140 | 1 |
| Malathion | 8141 | 13 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 13 | 140 | 1 |
| Methyl parathion | 8141 | 16 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 16 | 140 | 1 |
| Parathion | 8141 | 33 U | 11/13/2008 3:11 | 11/11/2008 13:45 | ug/Kg | 33 | 140 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 78.7 | 11/13/2008 3:11 | 11/11/2008 13:45 | \% | 33 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.2 J3MU | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 2.2 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.6 J 3 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 1.6 | 12 | 1 |
| 2,4'-D | 8151 | 2.8 J3U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 2.8 | 12 | 1 |
| 2,4-DB | 8151 | 3.3 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 3.3 | 12 | 1 |
| Dalapon | 8151 | 4.2 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 4.2 | 36 | 1 |
| Dicamba | 8151 | 2.2 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 2.2 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J3U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.6 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 2.6 | 12 | 1 |
| MCPA | 8151 | 863 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 863 | 1820 | 1 |
| MCPP | 8151 | 656 U | 11/12/2008 0:37 | 11/10/2008 13:05 | ug/Kg | 656 | 1820 | 1 |
| DCAA(SURR) | 8151 | 74.4 | 11/12/2008 0:37 | 11/10/2008 13:05 | \% | 656 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722
PEL Lab\# : 251085921
Client ID : SS-4-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.27 | 11/14/2008 20:20 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.484 | 0.968 | 1 |
| Iron | 6010 | 1670 | 11/14/2008 20:20 | 11/10/2008 8:18 | $\mathrm{mg} / \mathrm{Kg}$ | 0.581 | 4.84 | 1 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251085922
Client ID : SS-4-2
Matrix : SO

|  |  |  |  |  | Analysis | Prep | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.557 | $11 / 14 / 2008$ | $20: 24$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.511 | 1.02 |
| Iron | 6010 | 533 | $11 / 14 / 2008$ | $20: 24$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.613 |
| 5.11 | 1 |  |  |  |  |  |  |  |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085923
Client ID : SS-4-3
Matrix : SO

## WORK ORDER: 2510859

PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 12:13:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.718 l | $11 / 14 / 2008$ | $20: 28$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.481 | 0.962 |
| Iron | 6010 | 419 | $11 / 14 / 2008$ | $20: 28$ | $11 / 10 / 20088: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.577 | 4.81 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

PEL Lab\# : 251085924
Client ID : SS-4-4
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.701 I | $11 / 14 / 2008$ | $19: 11$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.534 |
| Iron | 6010 | 1020 | $11 / 14 / 2008$ | $19: 11$ | $11 / 10 / 2008$ | $8: 18$ | $\mathrm{mg} / \mathrm{kg}$ | 0.64 |
|  |  |  | 5.34 | 1 |  |  |  |  |

To:
Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251085925
Client ID : CSS-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.44 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.44 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.24 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.24 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.33 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.33 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.84 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.84 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.7 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.25 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.25 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.23 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.23 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.31 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.31 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.24 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 0.24 | 1.3 | 1 |
| Toxaphene | 8081 | 29 U | 11/11/2008 3:16 | 11/10/2008 12:12 | ug/Kg | 29 | 44 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 67.9 | 11/11/2008 3:16 | 11/10/2008 12:12 | \% | 29 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 77.1 | 11/11/2008 3:16 | 11/10/2008 12:12 | \% | 29 | (25-143) | ) 1 |
| Azinphos methy! | 8141 | 28 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 28 | 130 | 1 |
| Demeton-o | 8141 | 10 J 3 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/kg | 10 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/13/2008 4:12 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 24 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 24 | 130 | 1 |
| Ethion | 8141 | 29 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 29 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 15 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 15 | 130 | 1 |
| Parathion | 8141 | 31 U | 11/13/2008 4:12 | 11/11/2008 13:45 | ug/Kg | 31 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 78.8 | 11/13/2008 4:12 | 11/11/2008 13:45 | \% | 31 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.7 J 3 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 2.7 | 12 | 1 |
| 2,4-DB | 8151 | 3.2 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 3.2 | 12 | 1 |
| Dalapon | 8151 | 4.1 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 4.1 | 35 | 1 |
| Dicamba | 8151 | 2.1 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 2.1 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J 3 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.5 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 2.5 | 12 | 1 |
| MCPA | 8151 | 838 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 838 | 1770 | 1 |
| MCPP | 8151 | 637 U | 11/12/2008 1:13 | 11/10/2008 13:05 | ug/Kg | 637 | 1770 | 1 |
| DCAA(SURR) | 8151 | 80.3 | 11/12/2008 1:13 | 11/10/2008 13:05 | \% | 637 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

## QC SUMMARY

 251085923251085924272409272410272411

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $11 / 14 / 2008$ | $11 / 10 / 2008$ | $\mathrm{mg} / \mathrm{kg}$ | 0.5 | 1 |
| Iron | 0.672 I | $11 / 14 / 2008$ | $11 / 10 / 2008$ | $\mathrm{mg} / \mathrm{kg}$ | 5 | 1 |



## - CERTIFICATE OF ANALYSIS -



## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

Method Blank 272459
Associated Lab Samples : $\quad 251085905251085910251085915251085920251085925272459272460$

| Parameter | Results | Analysis Date | Prep Date | Units | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.5 | 1 |
| 4,4'-DDE | U | 11/10/2008 | 11/10/2008 | $u g / \mathrm{Kg}$ | 0.27 | 1 |
| 4,4'-DDT | U | 11/10/2008 | 11/10/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.38 | 1 |
| Aldrin | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.15 | 1 |
| alpha-BHC | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.95 | 1 |
| beta-BHC | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.15 | 1 |
| Chlordane | U | 11/10/2008 | 11/10/2008 | $u g / \mathrm{Kg}$ | 2 | 1 |
| delta-BHC | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.28 | 1 |
| Dieldrin | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.16 | 1 |
| Endosulfan 1 | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.22 | 1 |
| Endosulfan II | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.29 | 1 |
| Endosulfan sulfate | U | 11/10/2008 | 11/10/2008 | $u g / \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.26 | 1 |
| Endrin aldehyde | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.36 | 1 |
| gamma-BHC (Lindane) | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.2 | 1 |
| Heptachlor | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.15 | 1 |
| Heptachlor epoxide | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.15 | 1 |
| Methoxychlor | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.27 | 1 |
| Toxaphene | U | 11/10/2008 | 11/10/2008 | ug/Kg | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 68.3 | 11/10/2008 | 11/10/2008 | \% | (35-135) | 1 |
| Decachlorobiphenyl(SURR) (S) | 85.2 | 11/10/2008 | 11/10/2008 | \% | (25-143) | 1 |

Matrix : SQ

| SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :---: | :---: | :---: | :---: |
| 87.5 | $(73-149)$ |  |  |
| 86.9 | $(59-163)$ |  |  |
| 92 | $(69-152)$ |  |  |
| 68.1 | $(65-133)$ |  |  |
| 64.9 | $(64-134)$ |  |  |
| 76 | $(71-132)$ |  |  |
| 83.1 | $(61-132)$ |  |  |
| 85.3 | $(65-143)$ |  |  |
| 79.6 | $(67-132)$ |  |  |
| 85.6 | $(70-142)$ |  |  |
| 92 | $(70-138)$ |  |  |
| 86.6 | $(67-154)$ |  |  |
| 78 | $(52-117)$ |  |  |
| 67.7 | $(64-135)$ |  |  |
| 65.5 | $(60-137)$ |  |  |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

METHOD: 8081

| LABORATORY CONTRO | AMP | 272 |  | Matrix | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \%REC <br> LIMITS | RPD | RPD <br> LIMIT |
| Heptachlor epoxide | ug/Kg | 31.3 | 24.6 | 78.6 | (66-128) |  |  |
| Methoxychlor | $\mathrm{ug} / \mathrm{Kg}$ | 31.3 | 29.8 | 95.2 | (64-159) |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | $\mathrm{ug} / \mathrm{Kg}$ | 62.6 | 40 | 63.9 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | $\mathrm{ug} / \mathrm{Kg}$ | 62.6 | 54.3 | 86.7 | (25-143) |  |  |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

Method Blank 272536
Associated Lab Samples : 251085905251085910251085915251085920251085925272536272537

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Demeton-o | J 3 U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Malathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 35 | 1 |
| TPP-Triphenylphosphate(SURR) | 79.3 | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |


| LABORATORY CONTRO | AMP | 272 |  | Matrix | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC LIMITS | RPD | RPD <br> LIMT |
| Azinphos methyl | ug/Kg | 1570 | 1500 | 95.5 | (52-170) |  |  |
| Demeton-0 | ug/Kg | 492 | 300 | 61 | (64-155) |  |  |
| Demeton-s | ug/Kg | 967 | 680 | 70.3 | (60-144) |  |  |
| Diazinon | ug/Kg | 1570 | 1200 | 76.4 | (12-176) |  |  |
| Disulfoton | ug/Kg | 1570 | 1100 | 70.1 | (59-143) |  |  |
| Ethion | ug/Kg | 1570 | 1300 | 82.8 | (56-138) |  |  |
| Malathion | ug/Kg | 1570 | 1200 | 76.4 | (68-157) |  |  |
| Methyl parathion | ug/Kg | 1570 | 1300 | 82.8 | (60-180) |  |  |
| Parathion | ug/Kg | 1570 | 1200 | 76.4 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | ug/Kg | 3130 | 2500 | 79.9 | (60-130) |  |  |

## - CERTIFICATE OF ANALYSIS -

To: | Chip Hoover |  |
| :--- | :--- |
|  | Ardaman \& Associates |

Method Blank 272463
Associated Lab Samples : $\quad 251085905251085910251085915251085920251085925272463272464$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4-D | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 11 / 2008$ | $11110 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloroprop | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 11 / 2008$ | $11110 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 707 | 1 |
| MCPP | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 538 | 1 |
| DCAA(SURR) (S) | $22.3 \mathrm{J1}$ | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\%$ | $(42-108)$ | 1 |

LABORATORY CONTROL SAMPLE 272464 Matrix : SQ

| PARAMETER | UNITS | SPIKE <br> CONC | LCS <br> RESULT | SPIKE <br> $\%$ REC | $\%$ REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 7.6 | 25.6 | $*$ | $(41-128)$ |  |
| 2,4,5-TP (Silvex) | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 13.7 | 46.1 | $*$ | $(55-138)$ |  |
| 2,4-D | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 6 | 20.2 | $*$ | $(30-167)$ |  |
| 2,4-DB | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 23 | 77.4 | $(30-168)$ |  |  |
| Dalapon | $\mathrm{ug} / \mathrm{Kg}$ | 74.3 | 23.5 | 31.6 | $(30-129)$ |  |  |
| Dicamba | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 16.2 | 54.5 | $(48-141)$ |  |  |
| Dichloroprop | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 7.7 | 25.9 | $*(42-156)$ |  |  |
| Dinoseb | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 27.7 | 93.3 | $(47-123)$ |  |  |
| MCPA | $\mathrm{ug} / \mathrm{Kg}$ | 2970 | 2850 | 96 | $(18-143)$ |  |  |
| MCPP | $\mathrm{ug} / \mathrm{Kg}$ | 2970 | 1200 | 40.4 | $(24-155)$ |  |  |
| DCAA(SURR) (S) | $\mathrm{ug} / \mathrm{Kg}$ | 74.3 | 37.5 | 50.5 | $(42-108)$ |  |  |
|  |  |  |  |  |  |  |  |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510859
PROJECT ID: Albritton Property/ 08-8722

Digitally signed<br>Brian C. bybrianc. cspamn<br>DN: $\mathrm{c}=\mathrm{US}$,<br>Spann \(\begin{gathered}cn=Brian C. Spann<br>Date: 2008.11 .17<br>09 \cdot 36 \cdot 38-050^{\prime}\end{gathered}\)<br>09:36:38-05'00'<br>Brian C. Spann Laboratory Manager<br>or<br>Mark Gudnason Quality Assurance Officer



8405 Benjamin Rd, Suite A
Chain of Custody Record Record/Work Request

Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com
2510858 Th




## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2510859 |
| :--- | :--- |
| Client: | Ardaman |
| Level: | 1 |
| Rec'd via: | courier |
|  |  |


| Samples/Cooler Secure? | Yes | All Samples on COC accounted For? | Yes |
| :---: | :---: | :---: | :---: |
| Temperature of Samples(Celslus) | 4 C | All Samples Rec'd Intact? | Yes |
| pH Verified? | No | Sample Vol. Stuff. For Analysis? | Yes |
| PH WNL? | No | Samples Rec'd W/I Hold TIme? | Yes |
| Soll Origln (Domestle/Forelgn): | Domestic | Are All Samples to be Analyzed? | Yes |
| Site Location/Project on COC? | Yes | Correct Sample Containers? | Yes |
| Client Project \# on COC? | Yes | COC Comments written on COC? | Yes |
| Project Mgr. Indicated on COC? | Yes | Samplers initials on COC? | Yes |
| COC relinquished/Dated by Client? | Yes | Sample Date/Time Indicated? | Yes |
| COC Received/Dated by PEL? | Yes | TAT Requested: | STD |
| Specific Subcontract Indicated? | No | Cllent Requests Verbal Results? | No |
| Samples Recelved By | courier | Client Requests Faxed Results? | No |
| PEL to Conduct ALL Analyses? | Yes |  |  |

peer renew LXed

## Chain of Custody Record Record/Work Request



## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set-fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: UnIess otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty ( 30 ) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mecharics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000,00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attomey's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request

PEL Laboratories, Inc.


## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty ( 60 ) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, NCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WLLL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

# (1i) PEL a division of Spectrum Analytical, Inc. featuring HANIBAL TECHNOLOGY 

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: 11/17/2008

To: Chip Hoover
Ardaman \& Associates

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

78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED: Thursday, November 06, 2008

[^0]( $\dagger$ ): Short Hold Time Analysis Date

Samples reported on wet weight basis unless method calls for dry weight All test results in this report pertain only to the samples as submitted.

PEL Contact: Mark Gudnason / extension: 242

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.
Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.
The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Note: There was not sufficient sample volume to perform a matrix spike/duplicate for the following method(s). : 8141
A Blank and Laboratory Control sample was analyzed to ensure the method performed within acceptable guidelines.

[^1]
## CASE NARRATIVE <br> METALS

## PEL Lab Reference No./SDG: 2510860

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE METALS

PEL Lab Reference No./SDG: 2510860

## Client: Ardaman \& Associates

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE: 11/16/2008

## CASE NARRATIVE

 GC/ECD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510860
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.

## C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510860
Client: Ardaman \& Associates

## F. Samples:

Sample analysis proceeded normally.
Sample CSS-1 was reported on a wet weight basis because after the sample was extracted for the designated analyses there wasn't sufficient sample left for dry weight analysis.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/13/2008

## CASE NARRATIVE GC/NPD SEMIVOLATILE ORGANIC

## PEL Lah Reference No./SDG: 2510860

Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 304LCS was analyzed with the soil samples extracted on 11/11/08. The following analyte(s) were recovered below criteria: Demeton-o at 61 $\%$ with criteria of (64-155).

Since the analyte was just below control limits and not present in any of the associated samples and all other analytes were within control limits, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

## CASE NARRATIVE GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510860
Client: Ardaman \& Associates

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.
Sample CSS-1 was reported on a wet weight basis because after the sample was extracted for the designated analyses there wasn't sufficient sample left for dry weight analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

## SIGNED:



DATE: 11/13/2008

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510860
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.
II. HOLDING TIMES
A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.

## C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 299BLK was recovered below criteria for the following surrogate(s): DCAA at $22.3 \%$ with criteria of (42-108).

Since the surrogate recoveries for all of the associated samples were within control limits, no further action was taken.

Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of: LCS 299LCS was analyzed with the soil samples extracted on 11/10/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $25.6 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $46.1 \%$ with criteria of (55138), 2,4'-D at $20.2 \%$ with criteria of (30-167), Dichloroprop at $25.9 \%$

# CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC 

PEL Lab Reference No./SDG: 2510860
Client: Ardaman \& Associates
with criteria of (42-156). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $25.6 \%$ with criteria of $(26.5-142.5)$.

Since there were no target analytes found in the associated samples and all recoveries were within control limits for the batch MS/MSD set, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## F. Samples:

Sample analysis proceeded normally.
Sample CSS-1 was reported on a wet weight basis because after the sample was extracted for the designated analyses there wasn't sufficient sample left for dry weight analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/13/2008

To: Chip Hoover Ardaman \& Associates

Client ID : SS-1-1
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

PEL Lab\# : 251086001

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.2 | 11/14/2008 20:59 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.49 | 0.98 | 1 |
| Iron | 6010 | 2020 | 11/14/2008 20:59 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.588 | 4.9 | 1 |

## - CERTIFICATE OF ANALYSIS -

## ©ing indini FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722
Collection Information:
Sample Date: 11/5/2008 1:00:00 PM
Matrix : SO

|  |  |  |  |  | Analysis | Prep | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 6010 | 851 | $11 / 14 / 2008$ | $21: 19$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ |
| Iron |  | 0.437 | 0.874 | 1 |  |  |  |  |
|  |  |  | $11 / 14 / 2008$ | $21: 19$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.525 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086003
Client ID : SS-1-3
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 1:02:00 PM

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.797 I | 11/14/2008 21:23 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.459 | 0.917 | 1 |
| Iron | 6010 | 1240 | 11/14/2008 21:23 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.55 | 4.59 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

Collection Information:
Sample Date: 11/5/2008 1:04:00 PM

Matrix : SO

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.609 | $11 / 14 / 2008$ | $21: 27$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.384 |
| Iron | 6010 | $\mathbf{9 2 9}$ | $11 / 14 / 2008$ | $\mathbf{2 1 : 2 7}$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.46 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086005
Client ID : CSS-1
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

Collection Information:
Sample Date: 11/5/2008 1:07:00 PM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.38 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.38 | 1.1 | 1 |
| 4,4'-DDE | 8081 | 0.2 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.2 | 1.1 | 1 |
| 4,4'-DDT | 8081 | 0.28 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.28 | 1.1 | 1 |
| Aldrin | 8081 | 0.11 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.11 | 1.1 | 1 |
| alpha-BHC | 8081 | 0.71 U | 11/11/2008 3:48 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.71 | 1.1 | 1 |
| beta-BHC | 8081 | 0.11 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.11 | 1.1 | 1 |
| Chlordane | 8081 | 1.5 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 1.5 | 11 | 1 |
| delta-BHC | 8081 | 0.21 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.21 | 1.1 | 1 |
| Dieldrin | 8081 | 0.12 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.1 | 1 |
| Endosulfan 1 | 8081 | 0.16 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.16 | 1.1 | 1 |
| Endosulfan II | 8081 | 0.22 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.22 | 1.1 | 1 |
| Endosulfan sulfate | 8081 | 0.15 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.15 | 1.1 | 1 |
| Endrin | 8081 | 0.19 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.19 | 1.1 | 1 |
| Endrin aldehyde | 8081 | 0.27 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.27 | 1.1 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.15 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.15 | 1.1 | 1 |
| Heptachlor | 8081 | 0.11 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.11 | 1.1 | 1 |
| Heptachlor epoxide | 8081 | 0.11 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.11 | 1.1 | 1 |
| Methoxychlor | 8081 | 0.2 U | 11/11/2008 3:48 | 11/10/2008 12:12 | ug/Kg | 0.2 | 1.1 | 1 |
| Toxaphene | 8081 | 25 U | 11/11/2008 3:48 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 25 | 37 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 75.4 | 11/11/2008 3:48 | 11/10/2008 12:12 | \% | 25 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 77.2 | 11/11/2008 3:48 | 11/10/2008 12:12 | \% | 25 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 24 U | 11/13/2008 5:13 | 11/11/2008 13:45 | ug/Kg | 24 | 110 | 1 |
| Demeton-0 | 8141 | 9 J 3 U | 11/13/2008 5:13 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 9 | 110 | 1 |
| Demeton-s | 8141 | 11 U | 11/13/2008 5:13 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 11 | 110 | 1 |
| Diazinon | 8141 | 15 U | 11/13/2008 5:13 | 11/11/2008 13:45 | ug/Kg | 15 | 110 | 1 |
| Disulfoton | 8141 | 20 U | 11/13/2008 5:13 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 110 | 1 |
| Ethion | 8141 | 25 U | 11/13/2008 5:13 | 11/11/2008 13:45 | ug/Kg | 25 | 110 | 1 |
| Malathion | 8141 | 10 U | 11/13/2008 5:13 | 11/11/2008 13:45 | ug/Kg | 10 | 110 | 1 |
| Methyl parathion | 8141 | 13 U | 11/13/2008 5:13 | 11/11/2008 13:45 | ug/Kg | 13 | 110 | 1 |
| Parathion | 8141 | 27 U | 11/13/2008 5:13 | 11/11/2008 13:45 | ug/Kg | 27 | 110 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 76 | 11/13/2008 5:13 | 11/11/2008 13:45 | \% | 27 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 1.8 J3MU | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/Kg | 1.8 | 10 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.3 J 3 U | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/Kg | 1.3 | 10 | 1 |
| 2,4'-D | 8151 | 2.3 J3U | 11/12/2008 1:49 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 10 | 1 |
| 2,4-DB | 8151 | 2.7 U | 11/12/2008 1:49 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 10 | 1 |
| Dalapon | 8151 | 3.5 U | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/Kg | 3.5 | 30 | 1 |
| Dicamba | 8151 | 1.8 U | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/Kg | 1.8 | 10 | 1 |
| Dichloroprop | 8151 | 1.6 J 3 U | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/Kg | 1.6 | 10 | 1 |
| Dinoseb | 8151 | 2.1 U | 11/12/2008 1:49 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 10 | 1 |
| MCPA | 8151 | 707 U | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/Kg | 707 | 1490 | 1 |
| MCPP | 8151 | 538 U | 11/12/2008 1:49 | 11/10/2008 13:05 | ug/ Kg | 538 | 1490 | 1 |
| DCAA(SURR) | 8151 | 70.2 | 11/12/2008 1:49 | 11/10/2008 13:05 | \% | 538 | (42-108) | ) 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

PEL Lab\# : 251086006
Client ID : SS-13-1
Matrix : SO

## Collection Information:

Sample Date: $\quad 11 / 5 / 2008$ 1:33:00 PM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | $0.476 ~$ | $11 / 14 / 200821: 45$ | $11 / 10 / 20088: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.454 | 0.909 | 1 |
| 6010 | 759 | $11 / 14 / 200821: 45$ | $11 / 10 / 20088: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.545 | 4.54 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722
PEL Lab\# : 251086007
Client ID : SS-13-2
Collection Information:
Sample Date: 11/5/2008 1:35:00 PM
Matrix : SO

| Parameter | Method |  | Analysis | Prep <br> Date | Units | MDL | RL | Filution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Factor |  |  |  |  |  |  |  |  |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086008
Client ID : SS-13-3
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information

Sample Date: $\quad 11 / 5 / 20081: 36: 00 \mathrm{PM}$

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.62 | $11 / 14 / 2008$ | $21: 53$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.316 |
| Iron | 6010 | 3610 | $11 / 14 / 2008$ | $01: 53$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.379 |



To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722
PEL Lab\# : 251086009
Client ID : SS-13-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.37 | 11/14/2008 21:57 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.404 | 0.808 | 1 |
| Iron | 6010 | 11000 | 11/14/200821:57 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.485 | 4.04 | 1 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086010
Client ID : CSS-13
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.4 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.4 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.21 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.3 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 0.3 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.76 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 0.76 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $u g / \mathrm{Kg}$ | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.22 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.17 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.17 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.23 U | 11/11/2008 4:20 | 11/10/2008 12:12 | ug/Kg | 0.23 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/11/2008 4:20 | 11/10/2008 12:12 | ug/ Kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.2 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.28 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $u \mathrm{~F} / \mathrm{Kg}$ | 0.28 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/11/2008 4:20 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.21 U | 11/11/2008 4:20 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.2 | 1 |
| Toxaphene | 8081 | 26 U | 11/11/2008 4:20 | 11/10/2008 12:12 | ug/Kg | 26 | 40 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 61.1 | 11/11/2008 4:20 | 11/10/2008 12:12 | \% | 26 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 70 | 11/11/2008 4:20 | 11/10/2008 12:12 | \% | 26 | (25-143) | 1 |
| Azinphos methyl | 8141 | 26 U | 11/13/2008 6:14 | 11/11/2008 13:45 | ug/Kg | 26 | 120 | 1 |
| Demeton-o | 8141 | 9.7 J3U | 11/13/2008 6:14 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 9.7 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/13/2008 6:14 | 11/11/2008 13:45 | ug/Kg | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/13/2008 6:14 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/13/2008 6:14 | 11/11/2008 13:45 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 26 U | 11/13/2008 6:14 | 11/11/2008 13:45 | ug/Kg | 26 | 120 | 1 |
| Malathion | 8141 | 11 U | 11/13/2008 6:14 | 11/11/2008 13:45 | ug/Kg | 11 | 120 | 1 |
| Methyi parathion | 8141 | 14 U | 11/13/2008 6:14 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 14 | 120 | 1 |
| Parathion | 8141 | 29 U | 11/13/2008 6:14 | 11/11/2008 13:45 | ug/Kg | 29 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 78.7 | 11/13/2008 6:14 | 11/11/2008 13:45 | \% | 29 | (60-130) | ) |
| 2,4,5-T | 8151 | 1.9 J 3 MU | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 1.9 | 10 | 1 |
| 2,4,5-TP (Silvex) | 8151 | $1.4 \mathrm{J3U}$ | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 1.4 | 10 | 1 |
| 2,4'-D | 8151 | 2.4 J3U | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 2.4 | 10 | 1 |
| 2,4-DB | 8151 | 2.9 U | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 2.9 | 10 | 1 |
| Dalapon | 8151 | 3.7 U | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 3.7 | 32 | 1 |
| Dicamba | 8151 | 1.9 U | 11/12/2008 3:38 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 1.9 | 10 | 1 |
| Dichloroprop | 8151 | $1.7 \mathrm{J3U}$ | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 1.7 | 10 | 1 |
| Dinoseb | 8151 | 2.2 U | 11/12/2008 3:38 | 11/10/2008 13:05 | $u g / \mathrm{Kg}$ | 2.2 | 10 | 1 |
| MCPA | 8151 | 752 U | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 752 | 1590 | 1 |
| MCPP | 8151 | 572 U | 11/12/2008 3:38 | 11/10/2008 13:05 | ug/Kg | 572 | 1590 | 1 |
| DCAA(SURR) | 8151 | 67.6 | 11/12/2008 3:38 | 11/10/2008 13:05 | \% | 572 | (42-108) | 1 |

- CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086011
Client ID : SS-14-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.641 | 11/14/2008 22:02 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{Kg}$ | 0.495 | 0.99 | 1 |
| Iron | 6010 | 1040 | 11/14/2008 22:02 | 11/10/2008 8:30 | $\mathrm{mg} / \mathrm{kg}$ | 0.594 | 4.95 | 1 |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

PEL Lab\# : 251086012
Client ID : SS-14-2
Matrix : SO

## Collection Information:

Sample Date: 11/5/2008 2:04:00 PM

|  |  |  | Analysis | Prep |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Dilution <br> Factor |
| Arsenic | 6010 | 6010 | 0.498 | $11 / 14 / 2008$ | $22: 06$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ |
| Iron | 766 | $11 / 14 / 2008$ | 0.498 | 0.997 | 1 |  |  |  |
|  |  |  | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.598 | 4.98 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086013
Client ID : SS-14-3
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 2:05:00 PM

|  |  |  |  |  |  | Analysis | Prep |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 3.12 | $11 / 14 / 2008$ | $22: 10$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.423 |
| Iron | 6010 | 2700 | $11 / 14 / 2008$ | $22: 10$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.508 |

- CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $\quad 11 / 5 / 2008$ 2:07:00 PM
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.807 | $11 / 14 / 2008$ | $22: 14$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.368 |
| Iron | 6010 | 1250 | $11 / 14 / 2008$ | 0.737 | 1 |  |  |  |
|  |  |  | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.442 | 3.68 | 1 |

# - CERTIFICATE OF ANALYSIS - 



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086015
Client ID : CSS-14
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

Collection Information:
Sample Date: 11/5/2008 2:09:00 PM

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.41 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.41 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.3 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.3 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.77 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.77 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.22 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.23 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.23 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.29 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.29 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/11/2008 4:52 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 27 U | 11/11/2008 4:52 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 40 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 71.2 | 11/11/2008 4:52 | 11/10/2008 12:12 | \% | 27 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 75.1 | 11/11/2008 4:52 | 11/10/2008 12:12 | \% | 27 | (25-143) | 1 |
| Azinphos methyl | 8141 | 26 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 26 | 120 | 1 |
| Demeton-0 | 8141 | 9.8 J3U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 9.8 | 120 | 1 |
| Demetor-s | 8141 | 12 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 27 | 120 | 1 |
| Malathion | 8141 | 11 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 11 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 14 | 120 | 1 |
| Parathion | 8141 | 29 U | 11/13/2008 7:15 | 11/11/2008 13:45 | ug/Kg | 29 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 77.5 | 11/13/2008 7:15 | 11/11/2008 13:45 | \% | 29 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J 3 MU | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 2.9 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 2.9 | 11 | 1 |
| Dalapon | 8151 | 3.8 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 3.8 | 32 | 1 |
| Dicamba | 8151 | 2 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 2 | 11 | 1 |
| Dichloroprap | 8151 | 1.7 J 3 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 1.7 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 769 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 769 | 1620 | 1 |
| MCPP | 8151 | 585 U | 11/12/2008 4:14 | 11/10/2008 13:05 | ug/Kg | 585 | 1620 | 1 |
| DCAA(SURR) | 8151 | 74.5 | 11/12/2008 4:14 | 11/10/2008 13:05 | \% | 585 | (42-108) | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722
Collection Information:
Sample Date: $\quad 11 / 5 / 2008$ 2:40:00 PM
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.1 | $11 / 14 / 2008$ | $22: 18$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.417 |
| Iron | 6010 | 1210 | $11 / 14 / 2008$ | $02: 18$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

PEL Lab\# : 251086017
Client ID : SS-15-2
Matrix : SO

Collection Information:
Sample Date: $\quad 11 / 5 / 2008$ 2:42:00 PM

Analysis Prep Dilution

| Method | Results | Date | Date | Units | MDL | RL | Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 1.11 | $11 / 14 / 200822: 22$ | $11 / 10 / 20088: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.442 | 0.884 | 1 |
| 6010 | 1340 | $11 / 14 / 200822: 22$ | $11 / 10 / 20088: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.53 | 4.42 | 1 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251086018
Client ID : SS-15-3
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $\quad 11 / 5 / 2008$ 2:44:00 PM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.406 U | $11 / 14 / 2008$ | $22: 37$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.406 |
| Iron | 6010 | 674 | $11 / 14 / 2008$ | 0.813 | 1 |  |  |  |
| $111 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.488 | 4.06 | 1 |  |  |  |

- CERTIFICATE OF ANALYSIS -.

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086019
Client ID : SS-15-4
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: 11/5/2008 2:46:00 PM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 0.815 l | $11 / 14 / 200822: 41$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.506 | 1.01 |
| 6010 | 822 | $11 / 14 / 200822: 41$ | $11 / 10 / 20088: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.608 | 5.06 | $\mathbf{1}$ |

# - CERTIFICATE OF ANALYSIS - 



## FLDOH \#E84207

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251086020
Client ID : CSS-15
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4-DDD | 8081 | 0.44 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.44 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.23 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/ Kg | 0.23 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.33 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.33 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.82 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.82 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| Chiordane | 8081 | 1.7 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.25 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.25 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.22 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.22 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.31 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.31 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/11/2008 5:24 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/11/2008 5:24 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Methoxychior | 8081 | 0.23 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 0.23 | 1.3 | 1 |
| Toxaphene | 8081 | 29 U | 11/11/2008 5:24 | 11/10/2008 12:12 | ug/Kg | 29 | 43 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 62.9 | 11/11/2008 5:24 | 11/10/2008 12:12 | \% | 29 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 73 | 11/11/2008 5:24 | 11/10/2008 12:12 | \% | 29 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 26 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 26 | 120 | 1 |
| Demeton-o | 8141 | 10 J 3 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 10 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 12 | 120 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 17 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/kg | 27 | 120 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 12 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 14 | 120 | 1 |
| Parathion | 8141 | 30 U | 11/13/2008 8:16 | 11/11/2008 13:45 | ug/Kg | 30 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 79.4 | 11/13/2008 8:16 | 11/11/2008 13:45 | \% | 30 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/Kg | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/Kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.6 J3U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/Kg | 2.6 | 12 | 1 |
| 2,4-DB | 8151 | 3.1 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/ Kg | 3.1 | 12 | 1 |
| Dalapon | 8151 | 4 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/Kg | 4 | 34 | 1 |
| Dicamba | 8151 | 2.1 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/Kg | 2.1 | 12 | 1 |
| Dichloroprop | 8151 | 1.8 J 3 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/Kg | 1.8 | 12 | 1 |
| Dinoseb | 8151 | 2.4 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/ $/ \mathrm{Kg}$ | 2.4 | 12 | 1 |
| MCPA | 8151 | 817 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/ $/ \mathrm{Kg}$ | 817 | 1730 | 1 |
| MCPP | 8151 | 622 U | 11/12/2008 4:50 | 11/10/2008 13:05 | ug/ $/ \mathrm{Kg}$ | 622 | 1730 | 1 |
| DCAA(SURR) | 8151 | 79.4 | 11/12/2008 4:50 | 11/10/2008 13:05 | \% | 622 | (42-108) | 1 |

- CERTIFICATE OF ANALYSIS -


To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086021
Client ID : $\quad$ SS-16-1
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $\quad 11 / 5 / 2008$ 3:08:00 PM

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.736 I | $11 / 14 / 2008$ | $22: 46$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.412 |
| Iron | 6010 | 1150 | $11 / 14 / 2008$ | $22: 46$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.495 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $\quad$ 11/5/2008 3:10:00 PM
Matrix : SO

|  |  |  |  |  | Analysis | Prep | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 2.1 | $11 / 14 / 2008$ | $22: 50$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 |
| Iron | 6010 | 1960 | $11 / 14 / 2008$ | $22: 50$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086023
Client ID : SS-16-3
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Collection Information:

Sample Date: $\quad 11 / 5 / 2008$ 3:12:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.91 | $11 / 14 / 2008$ | $22: 54$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.403 |
| Iron | 6010 | 2140 | $11 / 14 / 2008$ | $02: 54$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.484 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## PEL Lab\# : 251086024

Client ID : SS-16-4
Matrix : SO

|  |  |  |  |  | Analysis | Prep | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.5361 | $11 / 14 / 2008$ | $22: 58$ | $11 / 10 / 20088: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.423 | 0.846 |
| Iron | 6010 | 1120 | $11 / 14 / 200822: 58$ | $11 / 10 / 2008$ | $8: 30$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.508 | 4.23 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251086025
Client ID : CSS-16
Matrix : SO

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/11/20085:57 | 11/10/2008 12:12 | ug/Kg | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.31 U | 11/11/20085:57 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.31 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/11/20085:57 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.79 U | 11/11/20085:57 | 11/10/2008 12:12 | ug/Kg | 0.79 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/11/20085:57 | 11/10/2008 12:12 | ug/kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.13 | 1.2 | 1 |
| Endosulfan ! | 8081 | 0.18 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/ $/ \mathrm{Kg}$ | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/ $/ \mathrm{Kg}$ | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.3 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/11/2008 5:57 | 11/10/2008 12:12 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 27 U | 11/11/2008 5:57 | 11/10/2008 12:12 | ug/Kg | 27 | 41 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 50.7 | 11/11/20085:57 | 11/10/2008 12:12 | \% | 27 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 55.1 | 11/11/20085:57 | 11/10/2008 12:12 | \% | 27 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 26 U | 11/13/2008 9:17 | 11/11/2008 13:45 | ug/ $/ \mathrm{Kg}$ | 26 | 120 | 1 |
| Demeton-o | 8141 | 9.8 J3U | 11/13/2008 9:17 | 11/11/2008 13:45 | ug/ $/ \mathrm{Kg}$ | 9.8 | 120 | 1 |
| Demetor-s | 8141 | 12 U | 11/13/2008 9:17 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/13/2008 9:17 | 11/11/2008 13:45 | ug/ $/ \mathrm{Kg}$ | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/13/2008 9:17 | 11/11/2008 13:45 | ug/ $/ \mathrm{Kg}$ | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/13/2008 9:17 | 11/11/2008 13:45 | ug/Kg | 27 | 120 | 1 |
| Malathion | 8141 | 11 U | 11/13/2008 9:17 | 11/11/2008 13:45 | ug/ $/ \mathrm{Kg}$ | 11 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/13/2008 9:17 | 11/11/2008 13:45 | $u g / \mathrm{Kg}$ | 14 | 120 | 1 |
| Parathion | 8141 | 29 U | 11/13/20089:17 | 11/11/2008 13:45 | $\mathrm{ug} / \mathrm{Kg}$ | 29 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 74.1 | 11/13/2008 9:17 | 11/11/2008 13:45 | \% | 29 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J3MU | 11/12/2008 5:26 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 U | 11/12/2008 5:26 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/12/2008 5:26 | 11/10/2008 13:05 | ug/ $/ \mathrm{Kg}$ | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/12/20085:26 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 3 | 11 | 1 |
| Dalapon | 8151 | 3.8 U | 11/12/2008 5:26 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 3.8 | 33 | 1 |
| Dicamba | 8151 | 2 U | 11/12/2008 5:26 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.7 J 3 U | 11/12/20085:26 | 11/10/2008 13:05 | $\mathrm{ug} / \mathrm{Kg}$ | 1.7 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/12/2008 5:26 | 11/10/2008 13:05 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 776 U | 11/12/2008 5:26 | 11/10/2008 13:05 | ug/Kg | 776 | 1640 | 1 |
| MCPP | 8151 | 590 U | 11/12/20085:26 | 11/10/2008 13:05 | ug/Kg | 590 | 1640 | 1 |
| DCAA(SURR) | 8151 | 80.8 | 11/12/2008 5:26 | 11/10/2008 13:05 | \% | 590 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## QC SUMMARY

 251086023251086024272414272415272416

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $11 / 14 / 2008$ | $11 / 10 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 14 / 2008$ | $11 / 10 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |


| LABORATORY CONTROL SAMPLE |  | 272415 |  | Matrix : <br> SPIKE <br> \% REC | SQ <br> \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMIT } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  |  |  |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 44.8 | 89.6 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4710 | 94.2 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 272 |  | Matrix | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMIT } \end{aligned}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 44.2 | 88.4 | (80-120) | 1.3 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4580 | 91.6 | (80-120) | 2.8 | 20 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

Method Blank 272459

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

METHOD: 8081

Matrix : SQ
Associated Lab Samples: 251086005251086010251086015251086020251086025272459272460

| Parameter | Results | Analysis Date | Prep <br> Date | Units | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | $u$ | 11/10/2008 | 11/10/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.5 | 1 |
| 4,4'-DDE | U | 11/10/2008 | 11/10/2008 | $u \mathrm{~g} / \mathrm{Kg}$ | 0.27 | 1 |
| 4,4'-DDT | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.38 | 1 |
| Aldrin | U | 11/10/2008 | 11/10/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| alpha-BHC | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.95 | 1 |
| beta-BHC | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.15 | 1 |
| Chlordane | U | 11/10/2008 | 11/10/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 1 |
| delta-BHC | U | 11/10/2008 | 11/10/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Dieldrin | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.16 | 1 |
| Endosulfan I | U | 11/10/2008 | 11/10/2008 | $u g / \mathrm{Kg}$ | 0.22 | 1 |
| Endosulfan II | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.29 | 1 |
| Endosulfan sulfate | U | 11/10/2008 | 11/10/2008 | $u g / \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.26 | 1 |
| Endrin aldehyde | U | 11/10/2008 | 11/10/2008 | $u g / \mathrm{Kg}$ | 0.36 | 1 |
| gamma-BHC (Lindane) | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.2 | 1 |
| Heptachlor | U | 11/10/2008 | 11/10/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Heptachlor epoxide | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.15 | 1 |
| Methoxychlor | U | 11/10/2008 | 11/10/2008 | ug/Kg | 0.27 | 1 |
| Toxaphene | U | 11/10/2008 | 11/10/2008 | ug/Kg | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 68.3 | 11/10/2008 | 11/10/2008 | \% | (35-135) | 1 |
| Decachlorobiphenyl(SURR) (S) | 85.2 | 11/10/2008 | 11/10/2008 | \% | (25-143) | 1 |

LABORATORY CONTROL SAMPLE 272460 Matrix : SQ
$\left.\begin{array}{lcccccc}\text { PARAMETER } & \text { UNITS } & \begin{array}{c}\text { SPIKE } \\ \text { CONC }\end{array} & \begin{array}{c}\text { LCS } \\ \text { RESULT }\end{array} & \begin{array}{c}\text { SPIKE } \\ \% \text { REC }\end{array} & \begin{array}{c}\text { \%REC } \\ \text { LIMITS }\end{array} & \text { RPD }\end{array} \begin{array}{c}\text { RPD } \\ \text { LIMIT }\end{array}\right]$

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207



- CERTIFICATE OF ANALYSIS -


FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

Method Blank 272536

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722
METHOD: 8141

Associated Lab Samples: 251086005251086010251086015251086020251086025272536272537

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | $\mathbf{1}$ |
| Demeton-o | J 3 U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Malathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 35 | 1 |
| TPP-Triphenylphosphate(SURR) | 79.3 | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |

LABORATORY CONTROL SAMPLE 272537 Matrix : SQ

| PARAMETER | UNITS | SPIKE <br> CONC | LCS <br> RESULT | SPIKE <br> \%REC | $\%$ REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1500 | 95.5 | $(52-170)$ |  |  |
| Demeton-o | $\mathrm{ug} / \mathrm{Kg}$ | 492 | 300 | 61 | $*$ | $(64-155)$ |  |
| Demeton-s | $\mathrm{ug} / \mathrm{Kg}$ | 967 | 680 | 70.3 | $(60-144)$ |  |  |
| Diazinon | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1200 | 76.4 | $(12-176)$ |  |  |
| Disulfoton | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1100 | 70.1 | $(59-143)$ |  |  |
| Ethion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1300 | 82.8 | $(56-138)$ |  |  |
| Malathion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1200 | 76.4 | $(68-157)$ |  |  |
| Methyl parathion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1300 | 82.8 | $(60-180)$ |  |  |
| Parathion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1200 | 76.4 | $(45-148)$ |  |  |
| TPP-Triphenylphosphate(SURR) | $\mathrm{ug} / \mathrm{Kg}$ | 3130 | 2500 | 79.9 | $(60-130)$ |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## METHOD: 8151

Method Blank 272463
Matrix : SQ
Associated Lab Samples : $\quad 251086005251086010251086015251086020251086025272463272464$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4'-D | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloroprop | J 3 U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 707 | 1 |
| MCPP | U | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 538 | 1 |
| DCAA(SURR) (S) | $22.3 \mathrm{J1}$ | $11 / 11 / 2008$ | $11 / 10 / 2008$ | $\%$ | $(42-108)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272464 |  | Matrix <br> SPIKE <br> \% REC |  | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  | \% REC LIMITS | RPD | RPD LIMIT |
| 2,4,5-T | ug/ $/ \mathrm{Kg}$ | 29.7 | 7.6 | 25.6 | * | (41-128) |  |  |
| 2,4,5-TP (Silvex) | ug/kg | 29.7 | 13.7 | 46.1 | * | (55-138) |  |  |
| 2,4'-D | ug/Kg | 29.7 | 6 | 20.2 |  | (30-167) |  |  |
| 2,4-DB | ug/Kg | 29.7 | 23 | 77.4 |  | (30-168) |  |  |
| Dalapon | ug/Kg | 74.3 | 23.5 | 31.6 |  | (30-129) |  |  |
| Dicamba | ug/Kg | 29.7 | 16.2 | 54.5 |  | (48-141) |  |  |
| Dichloroprop | $\mathrm{ug} / \mathrm{Kg}$ | 29.7 | 7.7 | 25.9 | * | (42-156) |  |  |
| Dinoseb | ug/ $/ \mathrm{Kg}$ | 29.7 | 27.7 | 93.3 |  | (47-123) |  |  |
| MCPA | ug/Kg | 2970 | 2850 | 96 |  | (18-143) |  |  |
| MCPP | ug/Kg | 2970 | 1200 | 40.4 |  | (24-155) |  |  |
| DCAA(SURR) (S) | ug/Kg | 74.3 | 37.5 | 50.5 |  | (42-108) |  |  |

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2510860
PROJECT ID: Albritton Property/ 08-8722

## Brian C.

Digitally signed by Brian
C. Spann

DN: $\mathrm{c}=\mathrm{US}, \mathrm{cn}=\mathrm{Brian} \mathrm{C}$.
Spann
Date: 2008.11.17
09:35:16-05'00'

Brian C. Spann<br>Laboratory Manager<br>or

Mark Gudnason
Quality Assurance Officer



Chain of Custody Record Record/Work Request

Phone: 813-888-9507
E-Mail: login@pelab.com


## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information



PEER REVIEW


## Chain of Custody Record Record/Work Request



## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice withm thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLALMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAD TO PEL FOR ITS WORK PERFORMIED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

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NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

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Florida Department of Health \#E84207 June 30, 2009

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: 11/18/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED:

Albritton Property / 08-8722
2510881
Saturday, November 08, 2008

Project Notes:
$(\dagger)$ : Short Hold Time Analysis Date

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established coritrol limits.
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.

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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.

The laboratory analysis was from an unpreserved or improperly preserved sarniple. The data may not be accurate.

Note: There was not sufficient sample volume to perform a matrix spike/duplicate for the following method(s). : 8081, 8151
A Blank and Laboratory Control sample was analyzed to ensure the method performed within acceptable guidelines.

[^2]
## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510881
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

## 1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510881
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Cundardee M. Gat
SIGNED:
DATE: 11/16/2008

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510881

Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.
V. ANALYSIS
A. Calibration:

All acceptance criteria were met with the exception of: All PEMs and CCVs that followed samples from this project failed due to degradation of the analytical system by these sample extracts. The compound most affected is 4,4'DDT, which is converted to $4,4^{\prime}$-DDD as is demonstrated in the PEMs and CCVs. Since neither $4,4^{\prime}$-DDD nor $4,4^{\prime}$-DDT were detected, it is safe to say they were not present in the samples. Also, no other target analytes were detected in this SDG.

CCVs CCV661958, CCV661960, and CCV662569 on column STX-CLP1 had most compounds outside the $15 \% \mathrm{D}$ criterion with an average \%D of greater than $15 \% .4,4$ 'DDT and Methoxychlor were more than $50 \% \mathrm{D}$. The corresponding CCVs, CCV661959, CCV661961, and CCV662570 on column STX-CLP2 also had substantial \%Ds for 4,4'DDT and Methoxychlor, with all other compounds within control limits.
The Toxaphene CCVs from these CCV set were outside control limits on both columns.
Note that the instrument was returned to compliant performance before the second day of analysis and that comparable degradation occurred after the first samples from this project.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.

## CASE NARRATIVE

 GC/ECD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510881
Client: Ardaman \& Associates
D. Spikes:

1. Laboratory Control Spikes (LCS)

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: $11 / 18 / 2008$

## CASE NARRATIVE

GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510881
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 304LCS was analyzed with the soil samples extracted on 11/11/08. The following analyte(s) were recovered below criteria: Demeton-o at 61 $\%$ with criteria of (64-155).

Since the analyte was just below control limits and all other analytes were within control limits and the analyte was not found in the associated samples, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

## CASE NARRATIVE

 GC/NPD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510881
Client: Ardaman \& Associates
No spikes requested by client.
E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

## SIGNED:



DATE: $\quad 11 / 18 / 2008$

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510881

Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 322 MB was recovered below criteria for the following surrogate(s): DCAA at $36.3 \%$ with criteria of (42-108).

Since all samples met all surrogate acceptance criteria, no further action was taken.
Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 322LCS was analyzed with the soil samples extracted on 11/14/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $24.7 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (55138), $2,4^{\prime}-$ D at $25 \%$ with criteria of ( $30-167$ ), Dicamba at $37.7 \%$ with criteria of (48-141), Dichloroprop at $35.3 \%$ with criteria of (42-156), MCPP at $19.6 \%$ with criteria of (24-155). The following analyte(s) had

## CASE NARRATIVE GC/ECD SEMIVOLATTLE ORGANIC

PEL Lab Reference No./SDG: 2510881
Client: Ardaman \& Associates
marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $24.7 \%$ with criteria of (26.5-142.5), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (41.2-151.8).

Since the MS/SD series that was extracted with this batch met all acceptance criteria, no further action was taken.

Samples coded accordingly.

## 2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/17/2008

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088101
Client ID : SS-17-1
Matrix : SO

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.907 l | $11 / 15 / 200821: 48$ | $11 / 12 / 20088: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.48 | 0.959 | 1 |
| Iron | 6010 | 1150 | $11 / 15 / 200821: 48$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.576 | 4.8 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251088102
Client ID : SS-17-2
Matrix : SO

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 10:32:00 AM

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.684 | $11 / 15 / 200821: 56$ | $11 / 12 / 20088: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.528 | 1.06 | $\mathbf{1}$ |
| Iron | 6010 | 791 | $11 / 15 / 200821: 56$ | $11 / 12 / 20088: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.633 | 5.28 | $\mathbf{1}$ |

- CERTIFICATE OF ANALYSIS -


To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088103
Client ID : SS-17-3
Matrix : SO

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: 11/6/2008 10:33:00 AM

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.922 | $11 / 15 / 2008$ | $22: 14$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.336 |
| Iron | 6010 | 1300 | $11 / 15 / 2008$ | $22: 14$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.404 |

# - CERTIFICATE OF ANALYSIS - 

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088104
Client ID : SS-17-4
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 2.23 | $11 / 15 / 2008$ | $22: 19$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.359 |
| Iron | 6010 | 1820 | $11 / 15 / 2008$ | $22: 19$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.43 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088105
Client ID : CSS-17
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.43 J | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.43 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.23 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.32 U | 11/15/2008 7:15 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.32 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.81 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.81 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/kg | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.7 U | 11/15/2008 7:15 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.22 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.3 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.23 U | 11/15/2008 7:15 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.3 | 1 |
| Toxaphene | 8081 | 28 U | 11/15/2008 7:15 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 28 | 42 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 66.8 | 11/15/2008 7:15 | 11/14/2008 18:00 | \% | 28 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 70.9 | 11/15/2008 7:15 | 11/14/2008 18:00 | \% | 28 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 27 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 27 | 130 | 1 |
| Demeton-0 | 8141 | 10 J 3 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 10 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 23 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 23 | 130 | 1 |
| Ethion | 8141 | 28 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 14 | 130 | 1 |
| Parathion | 8141 | 30 U | 11/13/2008 12:20 | 11/11/2008 12:40 | ug/Kg | 30 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 81.9 | 11/13/2008 12:20 | 11/11/2008 12:40 | \% | 30 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2 J3MU | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J3MU | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/16/2008 20:27 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 3 | 11 | 1 |
| Dalapon | 8151 | 3.9 U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 3.9 | 33 | 1 |
| Dicamba | 8151 | 2 J 3 U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J 3 U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 787 U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 787 | 1660 | 1 |
| MCPP | 8151 | 599 J3U | 11/16/2008 20:27 | 11/14/2008 17:56 | ug/Kg | 599 | 1660 | 1 |
| DCAA(SURR) | 8151 | 56.8 | 11/16/2008 20:27 | 11/14/2008 17:56 | \% | 599 | (42-108) | ) 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251088106
Client ID : SS-18-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.99 I | 11/15/2008 22:23 | 11/12/2008 8:14 | $\mathrm{mg} / \mathrm{Kg}$ | 0.553 | 1.1 | 1 |
| Iron | 6010 | 933 | 11/15/2008 22:23 | 11/12/2008 8:14 | $\mathrm{mg} / \mathrm{Kg}$ | 0.663 | 5.53 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 10:55:00 AM
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.511 | $11 / 15 / 2008$ | $22: 27$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.41 |
| Iron | 6010 | 472 | $11 / 15 / 2008$ | $22: 27$ | $11 / 12 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.492 |

## - CERTIFICATE OF ANALYSIS -

## §ind

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $11 / 6 / 2008$ 10:57:00 AM
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.1 | 11/15/2008 22:31 | 11/12/2008 8:14 | $\mathrm{mg} / \mathrm{Kg}$ | 0.356 | 0.712 | 1 |
| Iron | 6010 | 1300 | 11/15/2008 22:31 | 11/12/2008 8:14 | $\mathrm{mg} / \mathrm{Kg}$ | 0.427 | 3.56 | 1 |



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088109
Client ID : SS-18-4
Matrix : SO

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: 11/6/2008 10:59:00 AM

| Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.431 । | $11 / 15 / 200822: 35$ | $11 / 12 / 20088: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.31 | 0.619 | 1 |
| 701 | $11 / 15 / 200822: 35$ | $11 / 12 / 20088: 14$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.372 | 3.1 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088110
Client ID : CSS-18

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 11:01:00 AM

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.46 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.46 | 1.4 | 1 |
| 4.4'-DDE | 8081 | 0.24 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.4 | 1 |
| 4,4'-DDT | 8081 | 0.34 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.34 | 1.4 | 1 |
| Aldrin | 8081 | 0.14 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.14 | 1.4 | 1 |
| alpha-BHC | 8081 | 0.86 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.86 | 1.4 | 1 |
| beta-BHC | 8081 | 0.14 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.14 | 1.4 | 1 |
| Chlordane | 8081 | 1.8 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 1.8 | 14 | 1 |
| delta-BHC | 8081 | 0.25 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.25 | 1.4 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.14 | 1.4 | 1 |
| Endosulfan I | 8081 | 0.2 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.2 | 1.4 | 1 |
| Endosulfar II | 8081 | 0.26 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.26 | 1.4 | 1 |
| Endosulfan sulfate | 8081 | 0.18 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.18 | 1.4 | 1 |
| Endrin | 8081 | 0.23 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.23 | 1.4 | 1 |
| Endrin aldehyde | 8081 | 0.32 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.32 | 1.4 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.18 U | 11/17/2008 23:56 | 11/17/2008 14:31 | ug/Kg | 0.18 | 1.4 | 1 |
| Heptachlor | 8081 | 0.14 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Heptachlor epoxide | 8081 | 0.14 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Methoxychlor | 8081 | 0.24 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.4 | 1 |
| Toxaphene | 8081 | 30 U | 11/17/2008 23:56 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 45 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 64.7 | 11/17/2008 23:56 | 11/17/2008 14:31 | \% | 30 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 62.8 | 11/17/2008 23:56 | 11/17/2008 14:31 | \% | 30 | (25-143) | 1 |
| Azinphos methyl | 8141 | 29 U | 11/13/2008 13:21 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 29 | 140 | 1 |
| Demeton-o | 8141 | 11 J 3 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 11 | 140 | 1 |
| Demetor-s | 8141 | 13 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 13 | 140 | 1 |
| Diazinon | 8141 | 18 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 18 | 140 | 1 |
| Disulfoton | 8141 | 24 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 24 | 140 | 1 |
| Ethion | 8141 | 30 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 30 | 140 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 12 | 140 | 1 |
| Methyl parathion | 8141 | 15 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 15 | 140 | 1 |
| Parathion | 8141 | 32 U | 11/13/2008 13:21 | 11/11/2008 12:40 | ug/Kg | 32 | 140 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 80 | 11/13/2008 13:21 | 11/11/2008 12:40 | \% | 32 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/16/2008 21:03 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 MU | 11/16/2008 21:03 | 11/14/2008 17:56 | ug/Kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.7 J 3 U | 11/16/2008 21:03 | 11/14/2008 17:56 | ug/Kg | 2.7 | 12 | 1 |
| 2,4-DB | 8151 | 3.2 U | 11/16/2008 21:03 | 11/14/2008 17:56 | ug/Kg | 3.2 | 12 | 1 |
| Dalapon | 8151 | 4.2 U | 11/16/2008 21:03 | 11/14/2008 17:56 | ug/Kg | 4.2 | 36 | 1 |
| Dicamba | 8151 | 2.1 J3U | 11/16/2008 21:03 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J 3 U | 11/16/2008 21:03 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.5 U | 11/16/2008 21:03 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.5 | 12 | 1 |
| MCPA | 8151 | 845 U | 11/16/2008 21:03 | 11/14/2008 17:56 | ug/Kg | 845 | 1780 | 1 |
| MCPP | 8151 | 642 J 3 U | 11/16/2008 21:03 | 11/14/2008 17:56 | ug/Kg | 642 | 1780 | 1 |
| DCAA(SURR) | 8151 | 59.5 | 11/16/2008 21:03 | 11/14/2008 17:56 | \% | 642 | (42-108) | ) 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

Lab\# - 251088111
Client ID : SS-19-1
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL |
| Factor |  |  |  |  |  |  |  |  |
| Arsenic | 6010 |  | 1.66 | $11 / 15 / 2008$ | $22: 51$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ |
| Iron | 6010 |  | 1220 | $11 / 15 / 2008$ | $02: 51$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ |

# - CERTIFICATE OF ANALYSIS - <br>  

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088112
Client ID : SS-19-2
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 2.4 | 11/15/2008 23:25 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.945 | 1.89 | 1 |
| Iron | 6010 | 1480 | 11/15/2008 23:25 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 1.13 | 9.45 | 1 |

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 11:29:00 AM

- CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251088113
Client ID : SS-19-3
Matrix : SO

## Collection Information:

Sample Date: 11/6/2008 11:31:00 AM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.65 | $11 / 15 / 2008$ | $23: 30$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.425 |
| Iron | 6010 | 559 | $11 / 15 / 200823: 30$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.51 | 4.25 |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088114
Client ID : SS-19-4
Matrix : SO

| Parameter | Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.408 U | 11/15/2008 23:34 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.408 | 0.816 | 1 |
| Iron | 6010 | 526 | 11/15/2008 23:34 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.489 | 4.08 | 1 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 11:35:00 AM
Client ID : CSS-19
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.5 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 0.5 | 1.5 | 1 |
| 4,4'-DDE | 8081 | 0.26 U | 11/18/2008 0:28 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1.5 | 1 |
| 4,4'-DDT | 8081 | 0.37 U | 11/18/2008 0:28 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1.5 | 1 |
| Aldrin | 8081 | 0.15 U | 11/18/2008 0:28 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1.5 | 1 |
| alpha-BHC | 8081 | 0.94 U | 11/18/2008 0:28 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.94 | 1.5 | 1 |
| beta-BHC | 8081 | 0.15 U | 11/18/2008 0:28 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1.5 | 1 |
| Chlordane | 8081 | 2 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 2 | 15 | 1 |
| delta-BHC | 8081 | 0.27 U | 11/18/2008 0:28 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.27 | 1.5 | 1 |
| Dieldrin | 8081 | 0.16 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 0.16 | 1.5 | 1 |
| Endosulfan I | 8081 | 0.22 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/kg | 0.22 | 1.5 | 1 |
| Endosulfan II | 8081 | 0.28 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 0.28 | 1.5 | 1 |
| Endosulfan sulfate | 8081 | 0.2 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/kg | 0.2 | 1.5 | 1 |
| Endrin | 8081 | 0.26 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/kg | 0.26 | 1.5 | 1 |
| Endrin aldehyde | 8081 | 0.35 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/kg | 0.35 | 1.5 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.2 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 0.2 | 1.5 | 1 |
| Heptachlor | 8081 | 0.15 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 0.15 | 1.5 | 1 |
| Heptachlor epoxide | 8081 | 0.15 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/kg | 0.15 | 1.5 | 1 |
| Methoxychlor | 8081 | 0.26 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/Kg | 0.26 | 1.5 | 1 |
| Toxaphene | 8081 | 33 U | 11/18/2008 0:28 | 11/17/2008 14:31 | ug/kg | 33 | 49 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 53.6 | 11/18/2008 0:28 | 11/17/2008 14:31 | \% | 33 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 51.9 | 11/18/2008 0:28 | 11/17/2008 14:31 | \% | 33 | (25-143) | 1 |
| Azinphos methyl | 8141 | 31 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/kg | 31 | 150 | 1 |
| Demeton-o | 8141 | 12 J 3 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/kg | 12 | 150 | 1 |
| Demeton-s | 8141 | 15 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/Kg | 15 | 150 | 1 |
| Diazinon | 8141 | 20 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/kg | 20 | 150 | 1 |
| Disulfoton | 8141 | 26 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/kg | 26 | 150 | 1 |
| Ethion | 8141 | 32 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/Kg | 32 | 150 | 1 |
| Malathion | 8141 | 14 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/Kg | 14 | 150 | 1 |
| Methyl parathion | 8141 | 17 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/kg | 17 | 150 | 1 |
| Parathion | 8141 | 35 U | 11/13/2008 14:22 | 11/11/2008 12:40 | ug/kg | 35 | 150 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 76.7 | 11/13/2008 14:22 | 11/11/2008 12:40 | \% | 35 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.4 J3MU | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 2.4 | 13 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.7 J 3 MU | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 1.7 | 13 | 1 |
| 2,4'-D | 8151 | 3 J 3 U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 3 | 13 | 1 |
| 2,4-DB | 8151 | 3.5 U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 3.5 | 13 | 1 |
| Dalapon | 8151 | 4.6 U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 4.6 | 39 | 1 |
| Dicamba | 8151 | 2.4 J3U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 2.4 | 13 | 1 |
| Dichloroprop | 8151 | 2.1 J3U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 2.1 | 13 | 1 |
| Dinoseb | 8151 | 2.8 U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 2.8 | 13 | 1 |
| MCPA | 8151 | 930 U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 930 | 1960 | 1 |
| MCPP | 8151 | 707 J 3 U | 11/16/2008 21:39 | 11/14/2008 17:56 | ug/Kg | 707 | 1960 | 1 |
| DCAA(SURR) | 8151 | 62.6 | 11/16/2008 21:39 | 11/14/2008 17:56 | \% | 707 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

## ※ीnsal

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251088116
Client ID : SS-20-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.622 I | 11/15/2008 23:38 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.365 | 0.731 | 1 |
| Iron | 6010 | 694 | 11/15/2008 23:38 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.438 | 3.65 | 1 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088117
Client ID : SS-20-2
Matrix : SO

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 6 / 2008$ 12:05:00 PM

| Results | Analysis | Prep |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Date | Units | MDL | RL | Dilution <br> Factor |  |
| 0.798 I | $11 / 15 / 200823: 42$ | $11 / 12 / 20088: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.463 | 0.925 | $\mathbf{1}$ |
| $\mathbf{3 7 8}$ | $11 / 15 / 200823: 42$ | $11 / 12 / 20088: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.555 | 4.63 | $\mathbf{1}$ |

## - CERTIFICATE OF ANALYSIS -

## 

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251088118
Client ID : SS-20-3
Matrix : SO

## Collection Information:

Sample Date: 11/6/2008 12:06:00 PM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 0.475 U | $11 / 15 / 200823: 46$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.475 | 0.95 | 1 |
| 6010 | 401 | $11 / 15 / 200823: 46$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.57 | 4.75 | 1 |



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates
WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

## METHOD: 6010

Method Blank 272558
Matrix : SQ
Associated Lab Samples : $\quad 251088101251088102251088103251088104251088106251088107251088108251088109272558272559$ 272560

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | $U$ | $11 / 15 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 15 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |
| Method Blank 272563 |  |  |  |  |  |  |
| Matrix : | SQ |  |  |  |  |  |

Associated Lab Samples : $\quad 251088111251088112251088113251088114251088116251088117251088118272563272564272565$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $11 / 15 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | $\mathbf{1}$ |
| Iron | U | $11 / 15 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | $\mathbf{1}$ |


| LABORATORY CONTROL SAMPLE | 272559 |  | Matrix | : | SQ |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | SPIKE | LCS | SPIKE | \%REC |  | RPD |
| PARAMETER | UNITS | CONC | RESULT | \%REC | LIMITS | RPD | LIMIT |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 45.8 | 91.6 | $(80-120)$ |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4770 | 95.4 | $(80-120)$ |  |  |


| LABORATORY CONTROL SAMPLE | 272560 |  | Matrix | : | SQ |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | SPIKE | LCS | SPIKE | \%REC |  | RPD |
| PARAMETER | UNITS | CONC | RESULT | \%REC | LIMITS | RPD | LIMIT |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 45.2 | 90.4 | $(80-120)$ | 1.3 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4660 | 93.2 | $(80-120)$ | 2.3 | 20 |

LABORATORY CONTROL SAMPLE 272564

|  | UNITS | SPIKE | LONC | RESULT | SPIKE <br> \%REC | \% REC <br> LIMITS | RPD |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | | RPD |
| :---: |
| LIMIT |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates
$\qquad$

Method Blank 272934
Matrix : $S Q$

Associated Lab Samples: 251088105272934272935

| Parameter | Results | Analysis Date | Prep <br> Date | Units | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.5 | 1 |
| 4,4'-DDE | U | 11/14/2008 | 11/14/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| 4,4'-DDT | U | 11/14/2008 | 11/14/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1 |
| Aldrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| alpha-BHC | U | 11/14/2008 | 11/14/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.94 | 1 |
| beta-BHC | U | 11/14/2008 | 11/14/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Chlordane | U | 11/14/2008 | 11/14/2008 | ug/Kg | 2 | 1 |
| delta-BHC | U | 11/14/2008 | 11/14/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Dieldrin | U | 11/14/2008 | 11/14/2008 | ug/ $/ \mathrm{Kg}$ | 0.16 | 1 |
| Endosuifan I | U | 11/14/2008 | 11/14/2008 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1 |
| Endosulfan II | U | 11/14/2008 | 11/14/2008 | ug/ $/ \mathrm{Kg}$ | 0.28 | 1 |
| Endosulfan sulfate | U | 11/14/2008 | 11/14/2008 | ug/ $/ \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | 11/14/2008 | 11/14/2008 | ug/ $/ \mathrm{Kg}$ | 0.26 | 1 |
| Endrin aldehyde | U | 11/14/2008 | 11/14/2008 | ug/ $/ \mathrm{Kg}$ | 0.35 | 1 |
| gamma-BHC (Lindane) | U | 11/14/2008 | 11/14/2008 | $u g / \mathrm{Kg}$ | 0.2 | 1 |
| Heptachlor | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| Heptachlor epoxide | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| Methoxychior | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.26 | 1 |
| Toxaphene | U | 11/14/2008 | 11/14/2008 | ug/Kg | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 81.1 | 11/14/2008 | 11/14/2008 | \% | (35-135) | 1 |
| Decachlorobiphenyl(SURR)(S) | 96.5 | 11/14/2008 | 11/14/2008 | \% | (25-143) | 1 |

Method Blank 273055
Matrix : SQ
Associated Lab Samples: 251088110251088115273055273056273057

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.5 | 1 |
| 4,4'-DDE | U | $11 / 17 / 2008$ | $11117 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| 4,4'-DDT | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1 |
| Aldrin | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| alpha-BHC | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.94 | 1 |
| beta-BHC | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Chlordane | U | $11 / 17 / 2008$ | $11117 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 1 |
| delta-BHC | U | $11 / 17 / 2008$ | $111 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.27 | 1 |
| Dieldrin | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1 |
| Endosulfan I | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1 |
| Endosulfan II | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | $\mathbf{1}$ |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722
METHOD: 8081

Method Blank 273055
Matrix : SQ
Associated Lab Samples : 251088110251088115273055273056273057

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Endosulfan sulfate | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.25 | 1 |
| Endrin aldehyde | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.35 | 1 |
| gamma-BHC (Lindane) | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Heptachlor | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Heptachlor epoxide | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{kg}$ | 0.15 | 1 |
| Methoxychlor | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Toxaphene | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 97.2 | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\%$ | $(35-135)$ | 1 |
| Decachlorobiphenyl(SURR) (S) | 96.3 | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\%$ | $(25-143)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272935 |  | Matrix : <br> SPIKE <br> \% REC | SQ <br> \% REC <br> LIMITS | RPD | RPD LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  |  |  |
| 4,4'-DDD | ug/Kg | 33.3 | 32.1 | 96.4 | (73-149) |  |  |
| 4,4'-DDE | ug/Kg | 33.3 | 32.2 | 96.7 | (59-163) |  |  |
| 4,4'-DDT | $u g / \mathrm{Kg}$ | 33.3 | 32.7 | 98.2 | (69-152) |  |  |
| Aldrin | ug/Kg | 33.3 | 29.7 | 89.2 | (65-133) |  |  |
| alpha-BHC | ug/Kg | 33.3 | 28.8 | 86.5 | (64-134) |  |  |
| beta-BHC | ug/Kg | 33.3 | 31.5 | 94.6 | (71-132) |  |  |
| delta-BHC | ug/Kg | 33.3 | 31.3 | 94 | (61-132) |  |  |
| Dieldrin | ug/Kg | 33.3 | 32.4 | 97.3 | (65-143) |  |  |
| Endosulfan I | ug/Kg | 33.3 | 31.8 | 95.5 | (67-132) |  |  |
| Endosulfan II | ug/Kg | 33.3 | 31.3 | 94 | (70-142) |  |  |
| Endosulfan sulfate | ug/Kg | 33.3 | 32.8 | 98.5 | (70-138) |  |  |
| Endrin | ug/Kg | 33.3 | 32.2 | 96.7 | (67-154) |  |  |
| Endrin aldehyde | ug/Kg | 33.3 | 29.6 | 88.9 | (52-117) |  |  |
| gamma-BHC (Lindane) | ug/Kg | 33.3 | 29.7 | 89.2 | (64-135) |  |  |
| Heptachlor | ug/Kg | 33.3 | 29.5 | 88.6 | (60-137) |  |  |
| Heptachlor epoxide | ug/Kg | 33.3 | 31.5 | 94.6 | (66-128) |  |  |
| Methoxyctior | ug/Kg | 33.3 | 33.8 | 102 | (64-159) |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug/Kg | 66.7 | 56.1 | 84.1 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 66.7 | 61.5 | 92.2 | (25-143) |  |  |
| LABORATORY CONTROL | SAMPLE | 2730 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \%REC LIMITS | RPD | RPD LIMIT |
| 4,4'-DDD | $u g / \mathrm{Kg}$ | 32.1 | 28.6 | 89.1 | (73-149) |  |  |
| 4,4'-DDE | ug/Kg | 32.1 | 29.4 | 91.6 | (59-163) |  |  |
| 4,4'-DDT | ug/Kg | 32.1 | 29.2 | 91 | (69-152) |  |  |

- CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

| LABORATORY CONTROL SAMPLE |  | 273056 |  | Matrix : <br> SPIKE <br> \% REC | $\begin{aligned} & \text { SQ } \\ & \text { \% REC } \\ & \text { LIMITS } \end{aligned}$ | RPD | RPD <br> LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  |  |  |
| Aldrin | ug/Kg | 32.1 | 30 | 93.5 | (65-133) |  |  |
| alpha-BHC | ug/ Kg | 32.1 | 28.5 | 88.8 | (64-134) |  |  |
| beta-BHC | ug/ $/ \mathrm{Kg}$ | 32.1 | 29.9 | 93.1 | (71-132) |  |  |
| delta-BHC | $u g / \mathrm{Kg}$ | 32.1 | 29.2 | 91 | (61-132) |  |  |
| Dieldrin | ug/ $/ \mathrm{Kg}$ | 32.1 | 30 | 93.5 | (65-143) |  |  |
| Endosulfan I | ug/Kg | 32.1 | 29.8 | 92.8 | (67-132) |  |  |
| Endosulfan II | ug/Kg | 32.1 | 28.2 | 87.9 | (70-142) |  |  |
| Endosulfan sulfate | $\mathrm{ug} / \mathrm{Kg}$ | 32.1 | 29.6 | 92.2 | (70-138) |  |  |
| Endrin | ug/Kg | 32.1 | 30 | 93.5 | (67-154) |  |  |
| Endrin aldehyde | $\mathrm{ug} / \mathrm{Kg}$ | 32.1 | 26.5 | 82.6 | (52-117) |  |  |
| gamma-BHC (Lindane) | ug/Kg | 32.1 | 29.8 | 92.8 | (64-135) |  |  |
| Heptachlor | ug/Kg | 32.1 | 30.4 | 94.7 | (60-137) |  |  |
| Heptachlor epoxide | ug/Kg | 32.1 | 29.3 | 91.3 | (66-128) |  |  |
| Methoxychlor | ug/ $/ \mathrm{Kg}$ | 32.1 | 29.7 | 92.5 | (64-159) |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug/ $/ \mathrm{Kg}$ | 64.3 | 59.7 | 92.8 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 64.3 | 57.2 | 89 | (25-143) |  |  |
| LABORATORY CONTROL | SAMPLE | 2730 |  | Matrix : | SQ |  |  |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| 4,4'-DDD | $\mathrm{ug} / \mathrm{Kg}$ | 32.8 | 34 | 104 | (73-149) | 17.3 | 30 |
| 4,4'-DDE | ug/Kg | 32.8 | 33 | 101 | (59-163) | 11.5 | 20 |
| 4,4'-DDT | ug/ $/ \mathrm{Kg}$ | 32.8 | 35 | 107 | (69-152) | 18.1 | 22 |
| Aldrin | ug/Kg | 32.8 | 34 | 104 | (65-133) | 12.5 | 30 |
| alpha-BHC | ug/Kg | 32.8 | 34 | 104 | (64-134) | 17.6 | 30 |
| beta-BHC | ug/Kg | 32.8 | 32 | 97.6 | (71-132) | 6.8 | 30 |
| delta-BHC | $\mathrm{ug} / \mathrm{Kg}$ | 32.8 | 33 | 101 | (61-132) | 12.2 | 30 |
| Dieldrin | ug/ $/ \mathrm{Kg}$ | 32.8 | 34 | 104 | (65-143) | 12.5 | 23 |
| Endosulfan I | ug/ Kg | 32.8 | 33 | 101 | (67-132) | 10.2 | 30 |
| Endosulfan II | $u g / \mathrm{Kg}$ | 32.8 | 34 | 104 | (70-142) | 18.6 | 30 |
| Endosulfan sulfate | $\mathrm{ug} / \mathrm{Kg}$ | 32.8 | 35 | 107 | (70-138) | 16.7 | 30 |
| Endrin | ug/Kg | 32.8 | 35 | 107 | (67-154) | 15.4 | 30 |
| Endrin aldehyde | ug/Kg | 32.8 | 32 | 97.6 | (52-117) | 18.8 | 30 |
| gamma-BHC (Lindane) | ug/Kg | 32.8 | 34 | 104 | (64-135) | 13.2 | 30 |
| Heptachlor | $u g / \mathrm{Kg}$ | 32.8 | 35 | 107 | (60-137) | 14.1 | 30 |
| Heptachlor epoxide | ug/Kg | 32.8 | 32 | 97.6 | (66-128) | 8.8 | 20 |
| Methoxychlor | ug/kg | 32.8 | 36 | 110 | (64-159) | 19.2 | 30 |
| 2,4,5,6-tetrachioro-m-xylene(SUR | ug/Kg | 65.6 | 67.9 | 104 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 65.6 | 63.3 | 96.5 | (25-143) |  |  |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722
METHOD: 8141

Method Blank 272536
Matrix : SQ
Associated Lab Samples : $\quad 251088105251088110251088115272536272537$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Demeton-0 | J 3 | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Malathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 35 | 1 |
| TPP-Triphenylphosphate(SURR) | 79.3 | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272537 |  | Matrix : <br> SPIKE | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Azinphos methyl | ug/Kg | 1570 | 1500 | 95.5 | (52-170) |  |  |
| Demeton-0 | $\mathrm{ug} / \mathrm{Kg}$ | 492 | 300 | 61 | (64-155) |  |  |
| Demeton-s | ug/Kg | 967 | 680 | 70.3 | (60-144) |  |  |
| Diazinon | ug/Kg | 1570 | 1200 | 76.4 | (12-176) |  |  |
| Disulfoton | ug/Kg | 1570 | 1100 | 70.1 | (59-143) |  |  |
| Ethion | ug/Kg | 1570 | 1300 | 82.8 | (56-138) |  |  |
| Malathion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1200 | 76.4 | (68-157) |  |  |
| Methyl parathion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1300 | 82.8 | (60-180) |  |  |
| Parathion | ug/ $/ \mathrm{Kg}$ | 1570 | 1200 | 76.4 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | ug/ $/ \mathrm{Kg}$ | 3130 | 2500 | 79.9 | (60-130) |  |  |

## - CERTIFICATE OF ANALYSIS -

$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$
$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$
$\longrightarrow$ —

Method Blank 272892
Associated Lab Samples : $\quad 251088105251088110251088115272892272893$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4'-D | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloraprop | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 704 | 1 |
| MCPP | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 536 | 1 |
| DCAA(SURR) (S) | 36.3 J 3 | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(42-108)$ | 1 |



To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2510881
PROJECT ID: Albritton Property / 08-8722

\author{

- Digitally signed <br> Brian $\quad$ by Brian C. Spann DN: c=US, Cn=Brian C. Spann Date: 2008.11.18 14:40:11-05'00' <br> Brian C. Spann \begin{tabular}{l}

or $\quad$| cn=Brian C. Spann |
| :--- |
| Date: 2008.11.18 |
| 14:40:11-05'00' | <br>

\hline onatory Manager
\end{tabular} <br> Mark Gudnason Quality Assurance Officer

}



## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2510881 |  | Req: | 1110 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Client: | Ardaman |  | Project: Generic |  |  |
| Level: | 1 |  | Date Rec'd: 11/8/2008 10:30:00 AM |  |  |
| Rec'd via: | courier |  | Due Date: 11/17/08 |  |  |
| Sample Verification |  |  |  |  |  |
| Samples/Cooler Secure? |  | Yes | All Samples on COC accounted For? |  | \|Yes |
| Temperature of Samples(Celslus) |  | 4.0 C | 'All Samples Rec'd Intact? |  | Yes |
| pH Verified? |  | Yes | Sampie Vol. Stuff. For Analysls? |  | Yes |
| pH WNL? |  | Yes | Samples Rec'd Wh Hold Time? |  | Yes |
| Soil Origin (Domestlc/Forelgn): |  | Domestic | Are All Samples to be Analyzed? |  | Yes |
| Site Locatlon/Project on COC? |  | Yes | Correct Sample Containers? |  | Yes |
| Client Project \# on COC? |  | Yes | coc Comments written on COC? |  | Yes |
| Project Mgr. Indicated on COC? |  | Yes | Samplers initials on COC? |  | Yes |
| COC relinquished/Dated by Cllent? |  | Yes | Sample Date/TIme Indicated? |  | Yes |
| COC Recelved/Dated by PEL? |  | Yes | TAT Requested: |  | STD |
| Specific Subcontract Indicated? |  | No | Cllent Requests Verbal Results? |  | No |
| Samples Received By |  | courier | Client Requests Faxed Results? |  | No |
| PEL to Conduct ALL Analyses? |  | Yes |  |  |  |

PEER REVIEW


## Chain of Custody Record <br> Record/Work Request

8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com

PEL Laboratories, Inc.


GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAD TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handing or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constioute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request

8405 Benjamin Rd, Suite A Tampa, FL 33634 Phone: 813-888-9507 E-Mail: login@pelab.com

PEL Laboratories, Inc.


1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall inciude said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardiess of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, ETTHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABLITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

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IN THE EVENT CLIENT IS UNWLLLING OR UNABLE TO LIMIT PEL'S LLABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LLABLITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABLITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVALLABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handing or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be govemed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

# (1i) PEL a division of Spectrum Analytical, Inc. featuring HANIBAL TECHNNOLOGY 

Florida Department of Health \#E84207
June 30, 2009

CWA - Extractable Organics, General Chemistry,Metals, Pesticides-herbicides-PCB's, Volatile Organics<br>RCRA/CERCLS - Extractable Organics, General Chemistry, Metals Pesticides-Herbicides-PCB's, Volatile Organics

## - CERTIFICATE OF ANALYSIS -

Report Date: 11/18/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED:

Albritton Property / 08-8722
2510882
Saturday, November 08, 2008

## Project Notes:

( $\dagger$ ): Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.

The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

[^3]
## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510882

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

## 1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE METALS

PEL Lab Reference No./SDG: 2510882
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.
Sample SS-21-4 required a 1:10 dilution due to interference with the following analyte(s): Arsenic.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

DATE: $\quad 11 / 17 / 2008$

## CASE NARRATIVE

GC/ECD SEMTVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510882
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met with the exception of:
All PEMis and CCVs that followed samples from this project failed due to degradation of the analytical system by these sample extracts. The compound most affected is $4,4^{\prime}-$ DDT, which is converted to 4,4'-DDD as is demonstrated in the PEMs and CCVs. Since neither $4,4^{\prime}$-DDD nor $4,4^{\prime}$-DDT were detected, it is safe to say they were not present in the samples. Also, no other target analytes were detected in this SDG.

CCVs CCV661958 and CCV661960 on column STX-CLP1 had most compounds outside the $15 \% \mathrm{D}$ criterion with an average $\% \mathrm{D}$ of greater than $15 \% .4,4^{\prime}$-DDT and Methoxychlor were more than $50 \% \mathrm{D}$. The corresponding CCVs, CCV661959 and CCV661961 on column STX-CLP2 also had substantial \%Ds for 4,4'-DDT and Methoxychlor, with all other compounds within control limits.
The Toxaphene CCVs from these CCVset were outside control limits on both columns.
Note that the instrument was returned to compliant performance before the second day of analysis and that comparable degradation occurred after the first samples from this project.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.

## CASE NARRATIVE GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510882
Client: Ardaman \& Associates
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

IGNED:


DATE: 11/18/2008

## CASE NARRATIVE

 GC/NPD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510882
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## I. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of: LCS 304LCS was analyzed with the soil samples extracted on 11/11/08. The following analyte(s) were recovered below criteria: Demeton-0 at 61 $\%$ with criteria of (64-155).

Since the analyte was just below control limits and all other analytes were within control limits and the analyte was not found in the associated samples, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

## CASE NARRATIVE GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510882
Client: Ardaman \& Associates

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/18/2008

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510882

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.
V. ANALYSIS

## A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met with the exception of: Sample 322MB was recovered below criteria for the following surrogate(s): DCAA at $36.3 \%$ with criteria of $(42-108)$.

Since the samples met all surrogate recovery acceptance criteria, no further action was taken.

Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 322LCS was analyzed with the soil samples extracted on 11/14/08. The following analyte(s) were recovered below criteria: $2,4,5-\mathrm{T}$ at $24.7 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (55138), $2,4^{\prime}-\mathrm{D}$ at $25 \%$ with criteria of (30-167), Dicamba at $37.7 \%$ with criteria of (48-141), Dichloroprop at $35.3 \%$ with criteria of (42-156),

## CASE NARRATIVE

 GC/ECD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510882

## Client: Ardaman \& Associates

MCPP at $19.6 \%$ with criteria of (24-155). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $24.7 \%$ with criteria of (26.5-142.5), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (41.2-151.8).

Since the MS/SD series that was extracted with this batch met all acceptance criteria, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/18/2008

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251088201
Client ID : SS-20-4
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.668 I | $11 / 16 / 2008$ | $0: 04$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.53 |
| Iron | 6010 | 1620 | $11 / 16 / 2008$ | $0: 04$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.636 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088202
Client ID : CSS-20
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.44 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.44 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.23 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.33 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.33 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.84 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.84 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.7 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.25 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.25 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.23 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.31 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.31 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.23 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.3 | 1 |
| Toxaphene | 8081 | 29 U | 11/15/2008 2:39 | 11/14/2008 16:23 | ug/Kg | 29 | 44 | 1 |
| 2,4,5,6-tetrachioro-m-xylene(SUR | 8081 | 71 | 11/15/2008 2:39 | 11/14/2008 16:23 | \% | 29 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 76 | 11/15/2008 2:39 | 11/14/2008 16:23 | \% | 29 | (25-143) | 1 |
| Azinphos methyl | 8141 | 28 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 28 | 130 | 1 |
| Demeton-0 | 8141 | 10 J 3 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 10 | 130 | 1 |
| Demetor-s | 8141 | 13 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 24 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 24 | 130 | 1 |
| Ethion | 8141 | 29 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 29 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 15 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 15 | 130 | 1 |
| Parathion | 8141 | 31 U | 11/13/2008 15:23 | 11/11/2008 12:40 | ug/Kg | 31 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 75.9 | 11/13/2008 15:23 | 11/11/2008 12:40 | \% | 31 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/Kg | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 MU | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.7 J3U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/Kg | 2.7 | 12 | 1 |
| 2,4-DB | 8151 | 3.2 U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/kg | 3.2 | 12 | 1 |
| Dalapon | 8151 | 4.1 U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/kg | 4.1 | 35 | 1 |
| Dicamba | 8151 | 2.1 J3U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/Kg | 2.1 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J3U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/kg | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.4 U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/Kg | 2.4 | 12 | 1 |
| MCPA | 8151 | 830 U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/kg | 830 | 1750 | 1 |
| MCPP | 8151 | 632 J 3 U | 11/16/2008 22:15 | 11/14/2008 17:56 | ug/kg | 632 | 1750 | 1 |
| DCAA(SURR) | 8151 | 57.9 | 11/16/2008 22:15 | 11/14/2008 17:56 | \% | 632 | (42-108) | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088203
Client ID : SS-21-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.58 | 11/16/2008 0:13 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.517 | 1.03 | -1 |
| Iron | 6010 | 1560 | 11/16/2008 0:13 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.621 | 5.17 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088204
Client ID : SS-21-2
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 4 | $11 / 16 / 2008$ | $0: 17$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 1.2 |
| Iron | 6010 | $\mathbf{3 0 0 0}$ | $11 / 16 / 2008$ | $0: 17$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 1.44 |

## Collection Information:

Sample Date: 11/6/2008 12:53:00 PM

Analysis Prep Dilution

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088205
Client ID : SS-21-3
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 12:54:00 PM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.964 | 11/16/2008 0:21 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.46 | 0.92 | 1 |
| Iron | 6010 | 2040 | 11/16/2008 0:21 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.552 | 4.6 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088206
Client ID : SS-21-4
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 12:56:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Iron | 6010 | 2570 | $11 / 16 / 2008$ | $0: 25$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.709 |
| Arsenic | 6010 | 5.91 U | $11 / 17 / 2008$ | $11: 44$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 5.91 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088207
Client ID : CSS-21
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 12:58:00 PM

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.46 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/ $/ \mathrm{Kg}$ | 0.46 | 1.4 | 1 |
| 4,4'-DDE | 8081 | 0.24 U | 11/15/2008 3:11 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.24 | 1.4 | 1 |
| 4,4'-DDT | 8081 | 0.34 U | 11/15/2008 3:11 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.34 | 1.4 | 1 |
| Aldrin | 8081 | 0.14 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.4 | 1 |
| alpha-BHC | 8081 | 0.86 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.86 | 1.4 | 1 |
| beta-BHC | 8081 | 0.14 U | 11/15/2008 3:11 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Chlordane | 8081 | 1.8 U | 11/15/2008 3:11 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 14 | 1 |
| delta-BHC | 8081 | 0.25 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.25 | 1.4 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.4 | 1 |
| Endosulfan I | 8081 | 0.2 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/kg | 0.2 | 1.4 | 1 |
| Endosulfan II | 8081 | 0.26 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.26 | 1.4 | 1 |
| Endosulfan sulfate | 8081 | 0.18 U | 11/15/2008 3:11 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.18 | 1.4 | 1 |
| Endrin | 8081 | 0.23 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.4 | 1 |
| Endrin aldehyde | 8081 | 0.32 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.32 | 1.4 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.18 U | 11/15/2008 3:11 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.18 | 1.4 | 1 |
| Heptachlor | 8081 | 0.14 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.4 | 1 |
| Heptachlor epoxide | 8081 | 0.14 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.4 | 1 |
| Methoxychlor | 8081 | 0.24 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 0.24 | 1.4 | 1 |
| Toxaphene | 8081 | 30 U | 11/15/2008 3:11 | 11/14/2008 16:23 | ug/Kg | 30 | 45 | 1 |
| 2,4,5,6-tetrachloro-m-xylerie(SUR | 8081 | 64.3 | 11/15/2008 3:11 | 11/14/2008 16:23 | \% | 30 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 68.5 | 11/15/2008 3:11 | 11/14/2008 16:23 | \% | 30 | (25-143) | 1 |
| Azinphos methyl | 8141 | 28 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 28 | 130 | 1 |
| Demeton-o | 8141 | 11 J 3 U | 11/13/2008 16:24 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 11 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 18 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 18 | 130 | 1 |
| Disulfoton | 8141 | 24 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 24 | 130 | 1 |
| Ethion | 8141 | 29 U | 11/13/2008 16:24 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 29 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 15 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 15 | 130 | 1 |
| Parathion | 8141 | 32 U | 11/13/2008 16:24 | 11/11/2008 12:40 | ug/Kg | 32 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 77.4 | 11/13/2008 16:24 | 11/11/2008 12:40 | \% | 32 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.2 J 3 MU | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 2.2 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.6 J 3 MU | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 1.6 | 12 | 1 |
| 2,4'-D | 8151 | 2.8 J3U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 2.8 | 12 | 1 |
| 2,4-DB | 8151 | 3.3 U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 3.3 | 12 | 1 |
| Dalapon | 8151 | 4.2 U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 4.2 | 36 | 1 |
| Dicamba | 8151 | 2.2 J 3 U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 2.2 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J 3 U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.5 U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 2.5 | 12 | 1 |
| MCPA | 8151 | 861 U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/Kg | 861 | 1820 | 1 |
| MCPP | 8151 | 655 J3U | 11/16/2008 22:52 | 11/14/2008 17:56 | ug/kg | 655 | 1820 | 1 |
| DCAA(SURR) | 8151 | 60.5 | 11/16/2008 22:52 | 11/14/2008 17:56 | \% | 655 | (42-108) | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251088208
Client ID : SS-22-1
Matrix : SO

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 6010 | 1450 | $11 / 16 / 2008$ | $0: 30$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ |
| Iron |  |  | 0.794 | 6.62 | 1 |  |  |  |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088209
Client ID: SS-22-2
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 1:14:00 PM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 6010 | 0.919 | $11 / 16 / 2008$ | $0: 34$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ |
| Iron | 0.666 | $11 / 16 / 2008$ | $0: 34$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.8 | 6.66 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088210
Client ID : SS-22-3
Matrix : SO

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | $0.422 ~ I$ | $11 / 16 / 2008$ | $0: 38$ | $11 / 12 / 20088: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.383 | 0.767 |
| Iron | 6010 | 192 | $11 / 16 / 2008$ | $0: 38$ | $11 / 12 / 20088: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.46 | 3.83 |
|  |  |  |  |  |  |  |  |  |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088211
Client ID : SS-22-4
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.85 | $11 / 16 / 2008$ | $0: 42$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.342 |
| Iron | 6010 | 894 | $11 / 16 / 2008$ | 0.42 | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.411 |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088212
Client ID : CSS-22
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.48 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/kg | 0.48 | 1.4 | 1 |
| 4,4'-DDE | 8081 | 0.26 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.26 | 1.4 | 1 |
| 4,4'-DDT | 8081 | 0.36 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.36 | 1.4 | 1 |
| Aldrin | 8081 | 0.14 U | 11/15/2008 3:43 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| alpha-BHC | 8081 | 0.91 U | 11/15/2008 3:43 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.91 | 1.4 | 1 |
| beta-BHC | 8081 | 0.14 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/kg | 0.14 | 1.4 | 1 |
| Chlordane | 8081 | 1.9 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 1.9 | 14 | 1 |
| delta-BHC | 8081 | 0.27 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.27 | 1.4 | 1 |
| Dieldrin | 8081 | 0.15 U | 11/15/2008 3:43 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1.4 | 1 |
| Endosulfan I | 8081 | 0.21 U | 11/15/2008 3:43 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.4 | 1 |
| Endosulfan II | 8081 | 0.28 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.28 | 1.4 | 1 |
| Endosulfan sulfate | 8081 | 0.19 U | 11/15/2008 3:43 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.19 | 1.4 | 1 |
| Endrin | 8081 | 0.25 U | 11/15/2008 3:43 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.25 | 1.4 | 1 |
| Endrin aldehyde | 8081 | 0.34 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.34 | 1.4 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.19 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.19 | 1.4 | 1 |
| Heptachlor | 8081 | 0.14 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.4 | 1 |
| Heptachlor epoxide | 8081 | 0.14 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.14 | 1.4 | 1 |
| Methoxyctlor | 8081 | 0.26 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 0.26 | 1.4 | 1 |
| Toxaphene | 8081 | 32 U | 11/15/2008 3:43 | 11/14/2008 16:23 | ug/Kg | 32 | 48 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 67.1 | 11/15/2008 3:43 | 11/14/2008 16:23 | \% | 32 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 64.6 | 11/15/2008 3:43 | 11/14/2008 16:23 | \% | 32 | (25-143) | 1 |
| Azinphos methyl | 8141 | 30 U | 11/13/2008 19:27 | 11/11/2008 12:40 | ug/Kg | 30 | 140 | 1 |
| Demeton-0 | 8141 | 12 J 3 U | 11/13/2008 19:27 | 11/11/2008 12:40 | ug/Kg | 12 | 140 | 1 |
| Demeton-s | 8141 | 14 U | 11/13/2008 19:27 | 11/11/2008 12:40 | ug/Kg | 14 | 140 | 1 |
| Diazinon | 8141 | 19 U | 11/13/2008 19:27 | 11/11/2008 12:40 | ug/Kg | 19 | 140 | 1 |
| Disulfoton | 8141 | 26 U | 11/13/2008 19:27 | 11/11/2008 12:40 | ug/Kg | 26 | 140 | 1 |
| Ethion | 8141 | 32 U | 11/13/2008 19:27 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 140 | 1 |
| Malathion | 8141 | 13 U | 11/13/2008 19:27 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 13 | 140 | 1 |
| Methyl parathion | 8141 | 16 U | 11/13/2008 19:27 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 16 | 140 | 1 |
| Parathion | 8141 | 34 U | 11/13/2008 19:27 | 11/11/2008 12:40 | ug/Kg | 34 | 140 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 78.6 | 11/13/2008 19:27 | 11/11/2008 12:40 | \% | 34 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.3 J 3 MU | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 2.3 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.6 J3MU | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 1.6 | 12 | 1 |
| 2,4'-D | 8151 | 2.9 J3U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 2.9 | 12 | 1 |
| 2,4-DB | 8151 | 3.4 U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 3.4 | 12 | 1 |
| Dalapon | 8151 | 4.4 U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/ Kg | 4.4 | 38 | 1 |
| Dicamba | 8151 | 2.3 J 3 U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 2.3 | 12 | 1 |
| Dichloroprop | 8151 | 2 J 3 U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 2 | 12 | 1 |
| Dinoseb | 8151 | 2.6 U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/ $/ \mathrm{Kg}$ | 2.6 | 12 | 1 |
| MCPA | 8151 | 893 U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/ $/ \mathrm{Kg}$ | 893 | 1890 | 1 |
| MCPP | 8151 | 679 J3U | 11/16/2008 23:28 | 11/14/2008 17:56 | ug/Kg | 679 | 1890 | 1 |
| DCAA(SURR) | 8151 | 56.5 | 11/16/2008 23:28 | 11/14/2008 17:56 | \% | 679 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088213
Client ID : SS-23-1
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

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| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.861 | 11/16/2008 0:57 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.399 | 0.797 | 1 |
| Iron | 6010 | 1820 | 11/16/2008 0:57 | 11/12/2008 8:32 | $\mathrm{mg} / \mathrm{Kg}$ | 0.478 | 3.99 | 1 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088214
Client ID : SS-23-2
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 1:45:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 4.24 | $11 / 16 / 2008$ | $1: 01$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.419 |
| Iron | 6010 | $\mathbf{7 0 5 0}$ | $11 / 16 / 2008$ | $1: 01$ | $11 / 12 / 20088: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.503 | 4.19 |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088215
Client ID : SS-23-3
Matrix : SO
\(\left.\begin{array}{lcccccccc} \& \& \& Analysis \& \begin{array}{c}Prep <br>

Parameter\end{array} \& Method \& Results \& Date \& Date\end{array}\right)\) Units | MDL |
| :---: | RL | Factor |
| :--- |
| Arsenic |
| Iron |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088216
Client ID : SS-23-4
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 1.39 | $11 / 16 / 2008$ | $1: 10$ | $11 / 12 / 20088: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.409 | 0.818 |
| Iron | 6010 | 2090 | $11 / 16 / 2008$ | $1: 10$ | $11 / 12 / 2008$ | $8: 32$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.491 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088217
Client ID : CSS-23
Matrix : SO

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.44 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/kg | 0.44 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.23 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.23 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.33 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/Kg | 0.33 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug $/ \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.83 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/Kg | 0.83 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $u g / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.7 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $u g / \mathrm{Kg}$ | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/Kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.25 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/Kg | 0.25 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.22 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.31 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/kg | 0.31 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.23 U | 11/15/2008 4:14 | 11/14/2008 16:23 | ug/Kg | 0.23 | 1.3 | 1 |
| Toxaphene | 8081 | 29 U | 11/15/2008 4:14 | 11/14/2008 16:23 | $u g / \mathrm{Kg}$ | 29 | 43 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 48.4 | 11/15/2008 4:14 | 11/14/2008 16:23 | \% | 29 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 57.7 | 11/15/2008 4:14 | 11/14/2008 16:23 | \% | 29 | (25-143) | 1 |
| Azinphos methyl | 8141 | 27 U | 11/13/2008 20:28 | 11/11/2008 12:40 | $u \mathrm{~F} / \mathrm{Kg}$ | 27 | 130 | 1 |
| Demeton-o | 8141 | 10 J 3 U | 11/13/2008 20:28 | 11/11/2008 12:40 | $u g / \mathrm{Kg}$ | 10 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/13/2008 20:28 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/13/2008 20:28 | 11/11/2008 12:40 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 23 U | 11/13/2008 20:28 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 23 | 130 | 1 |
| Ethion | 8141 | 28 U | 11/13/2008 20:28 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/13/2008 20:28 | 11/11/2008 12:40 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/13/2008 20:28 | 11/11/2008 12:40 | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 130 | 1 |
| Parathion | 8141 | 30 U | 11/13/2008 20:28 | 11/11/2008 12:40 | ug/Kg | 30 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 81.9 | 11/13/2008 20:28 | 11/11/2008 12:40 | \% | 30 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/17/2008 0:04 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 MU | 11/17/2008 0:04 | 11/14/2008 17:56 | ug/Kg | 1.5 | 11 | 1 |
| 2,4'-D | 8151 | 2.6 J3U | 11/17/2008 0:04 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.6 | 11 | 1 |
| 2,4-DB | 8151 | 3.1 U | 11/17/2008 0:04 | 11/14/2008 17:56 | ug/Kg | 3.1 | 11 | 1 |
| Dalapon | 8151 | 4 U | 11/17/2008 0:04 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 4 | 34 | 1 |
| Dicamba | 8151 | 2.1 J3U | 11/17/2008 0:04 | 11/14/2008 17:56 | ug/Kg | 2.1 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J3U | 11/17/2008 0:04 | 11/14/2008 17:56 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.4 U | 11/17/2008 0:04 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.4 | 11 | 1 |
| MCPA | 8151 | 814 U | 11/17/2008 0:04 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 814 | 1720 | 1 |
| MCPP | 8151 | 619 J3U | 11/17/2008 0:04 | 11/14/2008 17:56 | ug/Kg | 619 | 1720 | 1 |
| DCAA(SURR) | 8151 | 61 | 11/17/2008 0:04 | 11/14/2008 17:56 | \% | 619 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088218
Client ID : SS-24-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.77 | 11/17/2008 12:05 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.827 | 1.65 | 1 |
| Iron | 6010 | 2030 | 11/17/2008 12:05 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.992 | 8.27 | 1 |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

METHOD: 6010

Method Blank 272563
Matrix : SQ
Associated Lab Samples : 251088201251088203251088204251088205251088206251088206 L1 251088208251088209251088210 251088211251088213251088214251088215251088216272563272564272565

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | $U$ | $11 / 15 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 15 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |

Method Blank 272568
Matrix : SQ
Associated Lab Samples : 251088218272568272569272570

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $11 / 17 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 17 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |


| LABORATORY CONTROL SAMPLE |  | 272564 |  | Matrix : <br> SPIKE <br> \% REC | SQ <br> \%REC <br> LIMITS | RPD | RPD LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | LCs RESULT |  |  |  |  |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 44.6 | 89.2 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4610 | 92.2 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 2725 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | RPD LIMIT |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 46.8 | 93.6 | (80-120) | 4.8 | 20 |
| iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4860 | 97.2 | (80-120) | 5.3 | 20 |
| LABORATORY CONTROL | SAMPLE | 2725 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 47 | 94 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4780 | 95.6 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 2725 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | spIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 48.4 | 96.8 | (80-120) | 2.9 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4960 | 99.2 | (80-120) | 3.7 | 20 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722
METHOD: 8081

Matrix : SQ
Method Blank 272896
Associated Lab Samples : $\quad 251088202251088207251088212251088217272896272897$

| Parameter | Results | Analysis Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.49 | 1 |
| 4,4'-DDE | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.26 | 1 |
| 4,4'-DDT | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.37 | 1 |
| Aldrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.14 | 1 |
| alpha-BHC | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.93 | 1 |
| beta-BHC | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.14 | 1 |
| Chlordane | U | 11/14/2008 | 11/14/2008 | ug/Kg | 1.9 | 1 |
| delta-BHC | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.27 | 1 |
| Dieldrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.16 | 1 |
| Endosulfan I | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.21 | 1 |
| Endosulfan II | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.28 | 1 |
| Endosulfan sulfate | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.19 | 1 |
| Endrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.25 | 1 |
| Endrin aldehyde | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.35 | 1 |
| gamma-BHC (Lindane) | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.19 | 1 |
| Heptachlor | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.14 | 1 |
| Heptachlor epoxide | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.14 | 1 |
| Methoxychlor | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.26 | 1 |
| Toxaphene | U | 11/14/2008 | 11/14/2008 | ug/Kg | 32 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 78.3 | 11/14/2008 | 11/14/2008 | \% | (35-135) | 1 |
| Decachlorabiphenyl(SURR) (S) | 91.5 | 11/14/2008 | 11/14/2008 | \% | (25-143) | 1 |

LABORATORY CONTROL SAMPLE 272897 Matrix : SQ
$\left.\begin{array}{lcccccc}\text { PARAMETER } & \text { UNITS } & \begin{array}{c}\text { SPIKE } \\ \text { CONC }\end{array} & \begin{array}{c}\text { LCS } \\ \text { RESULT }\end{array} & \begin{array}{c}\text { SPIKE } \\ \text { \%REC }\end{array} & \begin{array}{c}\text { \%REC } \\ \text { LIMITS }\end{array} & \text { RPD }\end{array} \begin{array}{c}\text { RPD } \\ \text { LIMIT }\end{array}\right]$

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

METHOD: 8081
LABORATORY CONTROL SAMPLE 272897
Matrix : SQ
SPIKE LCS SPIKE \%REC RPD

| PARAMETER | UNITS | CONC | RESULT | \%REC | LIMITS | RPD | LIMIT |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Heptachlor epoxide | ug $/ \mathrm{Kg}$ | 32.8 | 24.2 | 73.8 | $(66-128)$ |  |  |
| Methoxychlor | ug $/ \mathrm{Kg}$ | 32.8 | 31.7 | 96.6 | $(64-159)$ |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug $/ \mathrm{Kg}$ | 65.6 | 46.7 | 71.2 | $(35-135)$ |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 65.6 | 56.3 | 85.8 | $(25-143)$ |  |  |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722
METHOD: 8141

Matrix : SQ
Associated Lab Samples : 251088202251088207251088212251088217272536272537

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Demeton-0 | J U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Malathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 35 | 1 |
| TPP-Tinphenylphosphate(SURR) | 79.3 | $11 / 12 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272537 |  | Matrix <br> SPIKE <br> \% REC | $\begin{aligned} & \text { SQ } \\ & \text { \% REC } \\ & \text { LIMITS } \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Azinphos methyl | ug/Kg | 1570 | 1500 | 95.5 | (52-170) |  |  |
| Demeton-o | $u \mathrm{u} / \mathrm{Kg}$ | 492 | 300 | 61 | (64-155) |  |  |
| Demeton-s | ug/Kg | 967 | 680 | 70.3 | (60-144) |  |  |
| Diazinon | $u \mathrm{u} / \mathrm{Kg}$ | 1570 | 1200 | 76.4 | (12-176) |  |  |
| Disulfoton | $u \mathrm{u} / \mathrm{Kg}$ | 1570 | 1100 | 70.1 | (59-143) |  |  |
| Ethion | $\mathrm{ug} / \mathrm{Kg}$ | 1570 | 1300 | 82.8 | (56-138) |  |  |
| Malathion | $u \mathrm{l} / \mathrm{Kg}$ | 1570 | 1200 | 76.4 | (68-157) |  |  |
| Methyl parathion | $u \mathrm{l} / \mathrm{Kg}$ | 1570 | 1300 | 82.8 | (60-180) |  |  |
| Parathion | ug/Kg | 1570 | 1200 | 76.4 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | $u g / \mathrm{Kg}$ | 3130 | 2500 | 79.9 | (60-130) |  |  |

# - CERTIFICATE OF ANALYSIS - 

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

Method Blank 272892

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722

METHOD: 8151

Matrix : SQ
Associated Lab Samples : 251088202251088207251088212251088217272892272893

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4'-D | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloroprop | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 704 | 1 |
| MCPP | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 536 | 1 |
| DCAA(SURR) (S) | 36.3 Jl | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(42-108)$ | 1 |

LABORATORY CONTROL SAMPLE 272893 Matrix : SQ

|  |  | SPIKE | LCS | SPIKE | \%REC |  | RPD |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | CONC | RESULT | \%REC | LIMITS | RPD | LIMIT |


| $2,4,5-T$ | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 7.4 | 24.7 | $*(41-128)$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $2,4,5-\mathrm{TP}$ (Silvex) | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 11.5 | 38.3 | $*(55-138)$ |
| 2,4-D | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 7.5 | 25 | $*(30-167)$ |
| 2,4-DB | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 21.7 | 72.3 | $(30-168)$ |
| Dalapon | $\mathrm{ug} / \mathrm{Kg}$ | 74.9 | 38.4 | 51.3 | $(30-129)$ |
| Dicamba | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 11.3 | 37.7 | $*(48-141)$ |
| Dichloroprop | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 10.6 | 35.3 | $*(42-156)$ |
| Dinoseb | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 26.9 | 89.7 | $(47-123)$ |
| MCPA | $\mathrm{ug} / \mathrm{Kg}$ | 3000 | 709 | 23.6 | $(18-143)$ |
| MCPP | $\mathrm{ug} / \mathrm{Kg}$ | 3000 | 588 | 19.6 | $*(24-155)$ |
| DCAA(SURR) (S) | $\mathrm{ug} / \mathrm{Kg}$ | 74.9 | 50.3 | 67.2 | $(42-108)$ |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510882
PROJECT ID: Albritton Property / 08-8722
Digitally signed
by Brian C. Spann
DN: c=US,
cn=Brian C. Spann
Date: 2008.11.18

Mark Gudnason $\quad$ or $\quad$| Laboratory Manager |
| :--- |

Quality Assurance Officer



## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2510882 | Req: 1110 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Client: | Ardaman | Project: Generic |  |  |  |
| Level: | 1 | Date Rec'd: 11/8/2008 10:30:00 AM |  |  |  |
| Rec'd via: | courier | Due Date: 11/17/08 |  |  |  |
| Sample Verification |  |  |  |  |  |
| Samples/Cooler Secure? |  | Fres | All Samples on COC accounted For? |  | Yes |
| Temperature of Samples(Celsius) |  | [4.0. ${ }^{\text {c }}$ | :All Samples Rec'd Intact? |  | Yes |
| pH Verified? |  | No | Sample Vol. Stuff. For Analysis? |  | Yes |
| pH WNL? |  | No | Samples Rec'd W/l Hold Time? |  | Yes |
| Soil Origin (Domestic/Foreign): |  | Domestic | Are All Samples to be Analyzed? |  | Yes |
| Site Location/Project on COC? |  | Yes | Correct Sample Containers? |  | Yes |
| Client Project \# on COC? |  | Yes | coc Comments written on COC? |  | Yes |
| Project Mgr. Indicated on COC? |  | Yes | Samplers Initials on COC? |  | Yes |
| COC rellnquished/Dated by Client? |  | Yes | Sample Date/Time Indicated? |  | Yes |
| COC Received/Dated by PEL? |  | Yes | 'TAT Requested: |  | STD |
| Specific Subcontract Indicated? |  | No | Cllent Requests Verbal Results? |  | No |
| Samples Received By |  | courier | iClient Requests Faxed Results? |  | No |
| PEL to Conduct ALL Analyses? |  | Yes |  |  |  |

featuring HANHBAL TECHNOLOGY
 Florida Department of Health \#E84207 June 30, 2009

CWA - Extractable Organics, General Chemistry,Metals, Pesticides-herbicides-PCB's, Volatile Organics<br>RCRA/CERCLS - Extractable Organics, General Chemistry, Metals Pesticides-Herbicides-PCB's, Volatile Organics

## - CERTIFICATE OF ANALYSIS -

Report Date: 11/21/2008

To: Chip Hoover
Ardaman \& Associates
W 941-922-3526

78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER: 2510992
DATE RECEIVED:

Albritton Property / 08-8722

Wednesday, November 19, 2008

Project Notes:
( $)$ : Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.
Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.
The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

## CASE NARRATIVE ARSENIC

PEL Lab Reference No./SDG: 2510992

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 7060A.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3020.
V. ANALYSIS

## A. Calibration:

All acceptance criteria were met.
B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE <br> ARSENIC

PEL Lab Reference No./SDG: 2510992

## Client: Ardaman \& Associates

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.

## F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Tusta dee ML. Gu
SIGNED:
DATE: 11/21/2008

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251099201
Client ID : SS-21-4
Matrix : S

WORK ORDER: 2510992
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 12:56:00 PM

| Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $11 / 20 / 2008$ | $17: 15$ | $11 / 20 / 2008$ | $9: 48$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.0232 | 0.166

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510992
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

METHOD: 7060
Method Blank 273309 Matrix : SQ

Associated Lab Samples : 251099201273309273310273311

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | $U$ | $11 / 20 / 2008$ | $11 / 20 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.14 | 5 |



Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510992
PROJECT ID: Albritton Property / 08-8722

Brian C. Spann | Digitally signed |
| :--- |
| by Brian C. Spann |
| DN: $\mathrm{C}=\mathrm{US}$, |
| cn=Brian C. Spann |
| Date: 2008.11.24 |
| $07: 01: 10-05^{\prime} 00^{\prime}$ |

Mark Gudnason Quality Assurance Officer


## Chain of Custody Record Record/Work Request

8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com

## PEL Laboratories, Inc.



## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty ( 60 ) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCTPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECLAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABLLTY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHER WISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNTTY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSAIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request

## PEL Laboratories, Inc.



## GENERAL CONDITIONS

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4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES; OR LOSSES CAUSED BY DELAY.
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Florida Department of Health \#E84207 June 30, 2009

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: 11/18/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED: Saturday, November 08, 2008

## Project Notes:

( $\dagger$ ): Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.
PEL Contact: Mark Gudnason / extension: 242

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.
The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Note: There was not sufficient sample volume to perform a matrix spike/duplicate for the following method(s). : 8081
A Blank and Laboratory Control sample was analyzed to ensure the method performed within acceptable guidelines.

[^4]
## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.
III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE METALS

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE: 11/17/2008

# CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC 

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met with the exception of:
All PEMs and CCVs that followed samples from this project failed due to degradation of the analytical system by these sample extracts. The compound most affected is $4,4^{\prime}$ DDT, which is converted to $4,4^{\prime}-$ DDD as is demonstrated in the PEMs and CCVs. Since neither $4,4^{\prime}$-DDD nor $4,4^{\prime}$-DDT were detected, it is safe to say they were not present in the samples. Also, no other target analytes were detected in this SDG.

CCVs CCV661958, CCV661960, and CCV662569 on column STX-CLP1 had most compounds outside the $15 \%$ D criterion with an average $\%$ D of greater than $15 \% .4,4$ 'DDT and Methoxychlor were more than 50\%D. The corresponding CCVs, CCV661959, CCV661961, and CCV662570 on column STX-CLP2 also had substantial \%Ds for 4,4'DDT and Methoxychlor, with all other compounds within control limits.
The Toxaphene CCVs from these CCVset were outside control limits on both columns.
Note that the instrument was returned to compliant performance before the second day of analysis and that comparable degradation occurred after the first samples from this project.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.

## CASE NARRATIVE

GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates

## F. Samples:

Sample analysis proceeded normally.

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SIGNED:


DATE: 11/17/2008

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates
D. Spikes:

1. Laboratory Control Spikes (LCS)

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.
E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally with the exception of: Sample CCS-24 was initially extracted on 11/14/08. Due to unacceptable surrogate recoveries the sample was re-extracted on $11 / 17 / 08$. Only 13 g of sample was available for the re-extraction so that is what was used, resulting in slightly higher than usual RLs. Only the re-extracted sample result is reported.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

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## SIGNED:



DATE: $\quad 11 / 18 / 2008$

## CASE NARRATIVE

## GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates

## 1. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 322MB was recovered below criteria for the following surrogate(s): DCAA at 36.3 \% with criteria of (42-108).

Since the samples met all surrogate recovery acceptance criteria, no further action was taken.

Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 322LCS was analyzed with the soil samples extracted on 11/14/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $24.7 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (55138 ), $2,4^{\prime}$-D at $25 \%$ with criteria of (30-167), Dicamba at $37.7 \%$ with criteria of (48-141), Dichloroprop at $35.3 \%$ with criteria of (42-156),

## CASE NARRATIVE GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510883
Client: Ardaman \& Associates

MCPP at $19.6 \%$ with criteria of (24-155). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $24.7 \%$ with criteria of (26.5-142.5), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (41.2-151.8).

Since the MS/SD series that was extracted with this batch met all acceptance criteria, no further action was taken.

Samples coded accordingly.

## 2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

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## SIGNED:



DATE: 11/18/2008

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088301
Client ID : SS-24-2
Matrix : S

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.537 U | $11 / 17 / 2008$ | $12: 36$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.537 |
| Iron | 6010 | 277 | $11 / 17 / 2008$ | $12: 36$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.644 |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088302
Client ID : SS-24-3
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.683 | 11/17/2008 12:44 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.306 | 0.612 | 1 |
| Iron | 6010 | 1360 | 11/17/2008 12:44 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.367 | 3.06 | 1 |

Sample Date: 11/6/2008 2:17:00 PM

PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Pa Date 11/6/2008 2:17:00 PM

WORK ORDER: 2510883
-

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088303
Client ID : $\quad$ SS-24-4
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.976 | $11 / 17 / 2008$ | $12: 48$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.353 |
| Iron | 6010 | 1250 | $11 / 17 / 2008$ | $12: 48$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.423 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088304
Client ID : CSS-24
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 1.1 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 1.1 | 3.1 | 1 |
| 4,4'-DDE | 8081 | 0.56 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 0.56 | 3.1 | 1 |
| 4,4'-DDT | 8081 | 0.8 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.8 | 3.1 | 1 |
| Aldrin | 8081 | 0.31 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.31 | 3.1 | 1 |
| alpha-BHC | 8081 | 2 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 3.1 | 1 |
| beta-BHC | 8081 | 0.31 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.31 | 3.1 | 1 |
| Chlordane | 8081 | 4.2 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 4.2 | 32 | 1 |
| delta-BHC | 8081 | 0.59 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.59 | 3.1 | 1 |
| Dieldrin | 8081 | 0.34 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.34 | 3.1 | 1 |
| Endosulfan I | 8081 | 0.46 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/kg | 0.46 | 3.1 | 1 |
| Endosulfan II | 8081 | 0.61 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.61 | 3.1 | 1 |
| Endosulfan sulfate | 8081 | 0.42 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 0.42 | 3.1 | 1 |
| Endrin | 8081 | 0.54 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 0.54 | 3.1 | 1 |
| Endrin aldehyde | 8081 | 0.75 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.75 | 3.1 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.42 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.42 | 3.1 | 1 |
| Heptachlor | 8081 | 0.31 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 0.31 | 3.1 | 1 |
| Heptachlor epoxide | 8081 | 0.31 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 0.31 | 3.1 | 1 |
| Methoxychlor | 8081 | 0.56 U | 11/18/2008 1:00 | 11/17/2008 14:31 | $\mathrm{ug} / \mathrm{Kg}$ | 0.56 | 3.1 | 1 |
| Toxaphene | 8081 | 70 U | 11/18/2008 1:00 | 11/17/2008 14:31 | ug/Kg | 70 | 100 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 82.1 | 11/18/2008 1:00 | 11/17/2008 14:31 | \% | 70 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 80 | 11/18/2008 1:00 | 11/17/2008 14:31 | \% | 70 | (25-143) | 1 |
| Azinphos methyl | 8141 | 42 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 42 | 200 | 1 |
| Demeton-0 | 8141 | 16 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 16 | 200 | 1 |
| Demeton-s | 8141 | 20 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 20 | 200 | 1 |
| Diazinon | 8141 | 27 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 27 | 200 | 1 |
| Disulfoton | 8141 | 36 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 36 | 200 | 1 |
| Ethion | 8141 | 44 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/kg | 44 | 200 | 1 |
| Malathion | 8141 | 19 U | 11/14/2008 1:33 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 19 | 200 | 1 |
| Methyl parathion | 8141 | 23 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 23 | 200 | 1 |
| Parathion | 8141 | 48 U | 11/14/2008 1:33 | 11/11/2008 17:53 | ug/Kg | 48 | 200 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 76.6 | 11/14/2008 1:33 | 11/11/2008 17:53 | \% | 48 | (60-130) | 1 |
| 2,4,5-T | 8151 | 3.2 J3MU | 11/17/2008 0:40 | 11/14/2008 17:56 | ug/Kg | 3.2 | 18 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 2.3 J3MU | 11/17/2008 0:40 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 18 | 1 |
| 2,4'-D | 8151 | 4.1 J3U | 11/17/2008 0:40 | 11/14/2008 17:56 | ug/Kg | 4.1 | 18 | 1 |
| 2,4-DB | 8151 | 4.8 U | 11/17/2008 0:40 | 11/14/2008 17:56 | ug/Kg | 4.8 | 18 | 1 |
| Dalapon | 8151 | 6.2 U | 11/17/2008 0:40 | 11/14/2008 17:56 | ug/Kg | 6.2 | 54 | 1 |
| Dicamba | 8151 | 3.2 J 3 U | 11/17/2008 0:40 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 3.2 | 18 | 1 |
| Dichloroprop | 8151 | 2.9 J 3 U | 11/17/2008 0:40 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.9 | 18 | 1 |
| Dinoseb | 8151 | 3.8 U | 11/17/2008 0:40 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 3.8 | 18 | 1 |
| MCPA | 8151 | 1270 U | 11/17/2008 0:40 | 11/14/2008 17:56 | ug/Kg | 1270 | 2680 | 1 |
| MCPP | 8151 | 965 J3U | 11/17/2008 0:40 | 11/14/2008 17:56 | ug/Kg | 965 | 2680 | 1 |
| DCAA(SURR) | 8151 | 45.9 | 11/17/2008 0:40 | 11/14/2008 17:56 | \% | 965 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088305
Client ID : SS-25-1
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.596 U | $11 / 17 / 2008$ | $12: 53$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.596 |
| Iron | 6010 | 1290 | $11 / 17 / 2008$ | $12: 53$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.715 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088306
Client ID : SS-25-2
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.548 U | 11/17/2008 12:57 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.548 | 1.1 | 1 |
| Iron | 6010 | 282 | 11/17/2008 12:57 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.658 | 5.48 | 1 |

## Collection Information:

Sample Date: $\quad 11 / 6 / 2008$ 2:44:00 PM
WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722
$\square$

## - CERTIFICATE OF ANALYSIS

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088307
Client ID : SS-25-3
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.3751 | 11/17/2008 13:00 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.352 | 0.704 | 1 |
| Iron | 6010 | 768 | 11/17/2008 13:00 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.422 | 3.52 | 1 |

## - CERTIFICATE OF ANALYSIS

## GロNACCofon

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 2:47:00 PM
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.434 U | 11/17/2008 13:04 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.434 | 0.868 | 1 |
| Iron | 6010 | 602 | 11/17/2008 13:04 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.521 | 4.34 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 2:50:00 PM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.43 U | 11/15/20089:22 | 11/14/2008 18:00 | ug/kg | 0.43 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.23 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.32 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/Kg | 0.32 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/15/20089:22 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.81 U | 11/15/20089:22 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.81 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/15/20089:22 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.7 U | 11/15/20089:22 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.24 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.24 | 1.3 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.24 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/Kg | 0.17 | 1.3 | 1 |
| Endrin | 8081 | 0.22 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/15/2008 9:22 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.3 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/Kg | 0.17 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/15/20089:22 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.23 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug $/ \mathrm{Kg}$ | 0.23 | 1.3 | 1 |
| Toxaphene | 8081 | 28 U | 11/15/2008 9:22 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 28 | 42 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 51.5 | 11/15/20089:22 | 11/14/2008 18:00 | \% | 28 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 55.1 | 11/15/2008 9:22 | 11/14/2008 18:00 | \% | 28 | (25-143) | ) |
| Azinphos methyl | 8141 | 27 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 27 | 130 | 1 |
| Demetor-o | 8141 | 10 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/ $/ \mathrm{Kg}$ | 10 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 17 | 130 |  |
| Disulfoton | 8141 | 23 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 23 | 130 | 1 |
| Ethion | 8141 | 28 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 14 | 130 | 1 |
| Parathion | 8141 | 31 U | 11/14/2008 2:34 | 11/11/2008 17:53 | ug/Kg | 31 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 83.9 | 11/14/2008 2:34 | 11/11/2008 17:53 | \% | 31 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J 3 MU | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 MU | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 1.5 | 11 | 1 |
| 2,4'-D | 8151 | 2.6 J3U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 2.6 | 11 | 1 |
| 2,4-DB | 8151 | 3.1 U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 3.1 | 11 | 1 |
| Dalapon | 8151 | 4 U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 4 | 34 | 1 |
| Dicamba | 8151 | 2 J 3 U | 11/17/2008 1:16 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J3U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.4 U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 2.4 | 11 | 1 |
| MCPA | 8151 | 812 U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/Kg | 812 | 1720 | 1 |
| MCPP | 8151 | 617 J3U | 11/17/2008 1:16 | 11/14/2008 17:56 | ug/ $/ \mathrm{Kg}$ | 617 | 1720 | 1 |
| DCAA(SURR) | 8151 | 69.2 | 11/17/2008 1:16 | 11/14/2008 17:56 | \% | 617 | (42-108) | ) |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088310
Client ID : SS-26-1
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.646 I | 11/17/2008 13:17 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.399 | 0.797 | 1 |
| Iron | 6010 | 776 | 11/17/2008 13:17 | 11/12/2008 8:42 | $\mathrm{mg} / \mathrm{Kg}$ | 0.478 | 3.99 | 1 |

# - CERTIFICATE OF ANALYSIS - <br>  

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088311
Client ID : SS-26-2
Matrix : $S$

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.728 U | $11 / 17 / 2008$ | $13: 21$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.728 |
| Iron | 6010 | 2400 | $11 / 17 / 2008$ | $13: 21$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.874 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088312
Client ID : SS-26-3
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.409 U | $11 / 17 / 2008$ | $13: 25$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.409 |
| Iron | 6010 | 77.1 | $11 / 17 / 2008$ | $13: 25$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.491 |

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088313
Client ID : SS-26-4
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.4 U | $11 / 17 / 2008$ | $13: 29$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.4 |
| Iron | 6010 | 189 | $11 / 17 / 2008$ | $13: 29$ | $11 / 12 / 2008$ | $8: 42$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.48 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088314
Client ID : CSS-26
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.32 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.32 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.8 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.8 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.7 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/kg | 1.7 | 13 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/kg | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.17 U | 11/15/20089:54 | 11/14/2008 18:00 | ug/Kg | 0.17 | 1.2 | 1 |
| Endrin | 8081 | 0.22 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/15/2008 9:54 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.3 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.17 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.17 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 28 U | 11/15/2008 9:54 | 11/14/2008 18:00 | ug/Kg | 28 | 42 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 80.4 | 11/15/2008 9:54 | 11/14/2008 18:00 | \% | 28 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 84.7 | 11/15/20089:54 | 11/14/2008 18:00 | \% | 28 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 26 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 26 | 120 | 1 |
| Demeton-o | 8141 | 10 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 10 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 27 | 120 | 1 |
| Malathion | 8141 | 12 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 12 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 14 | 120 | 1 |
| Parathion | 8141 | 30 U | 11/14/2008 3:35 | 11/11/2008 17:53 | ug/Kg | 30 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 87.3 | 11/14/2008 3:35 | 11/11/2008 17:53 | \% | 30 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2 J 3 MU | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 MU | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 3 | 11 | 1 |
| Dalapon | 8151 | 3.9 U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/kg | 3.9 | 33 | 1 |
| Dicamba | 8151 | 2 J 3 U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J3U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug $/ \mathrm{Kg}$ | 2.3 | 11 | 1 |
| MCPA | 8151 | 785 U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 785 | 1660 | 1 |
| MCPP | 8151 | 597 J3U | 11/17/2008 1:52 | 11/14/2008 17:56 | ug/Kg | 597 | 1660 | 1 |
| DCAA(SURR) | 8151 | 61.9 | 11/17/2008 1:52 | 11/14/2008 17:56 | \% | 597 | (42-108) | ) 1 |

Collection Information:
Sample Date: 11/6/2008 3:08:00 PM
Sample Date: 11/6/2008 3:08:00 PM

WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates
WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

METHOD: 6010

Method Blank 272568
Matrix : SQ
Associated Lab Samples : 251088301251088302251088303251088305251088306251088307251088308251088310251088311 251088312251088313272568272569272570

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $11 / 17 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 17 / 2008$ | $11 / 12 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |


| LABORATORY CONTROL | AMPLE | 272569 |  | Matrix : | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMTT } \end{aligned}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 47 | 94 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4780 | 95.6 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 272570 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \%REC | \%REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 48.4 | 96.8 | (80-120) | 2.9 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4960 | 99.2 | (80-120) | 3.7 | 20 |

- CERTIFICATE OF ANALYSIS -


FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722
METHOD: 8081

Method Blank 272934
Matrix : SQ
Associated Lab Samples : $\quad 251088309251088314272934272935$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.5 | 1 |
| 4,4'-DDE | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| 4,4-DDT | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1 |
| Aldrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| alpha-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.94 | 1 |
| beta-BHC | U | $11114 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Chlordane | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 1 |
| delta-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Dieldrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1 |
| Endosulfan I | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1 |
| Endosulfan II | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Endosulfan sulfate | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Endrin aldehyde | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.35 | 1 |
| gamma-BHC (Lindane) | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Heptachlor | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Heptachlor epoxide | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Methoxychlor | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Toxaphene | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 81.1 | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(35-135)$ | 1 |
| Decachlorobiphenyl(SURR) (S) | 96.5 | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(25-143)$ | 1 |
|  |  |  |  |  |  |  |

Associated Lab Samples : 251088304273055273056273057

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.5 | 1 |
| 4,4'-DDE | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| 4,4-DDT | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1 |
| Aldrin | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| alpha-BHC | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.94 | 1 |
| beta-BHC | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Chlordane | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 1 |
| delta-BHC | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.27 | 1 |
| Dieldrin | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1 |
| Endosulfan I | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1 |
| Endosulfan II | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

Method Blank 273055
Associated Lab Samples : 251088304273055273056273057

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Endosulfan sulfate | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.25 | 1 |
| Endrín aldehyde | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.35 | 1 |
| gamma-BHC (Lindane) | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Heptachlor | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Heptachlor epoxide | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Methoxychlor | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Toxaphene | U | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 97.2 | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\%$ | $(35-135)$ | 1 |
| Decachlorobiphenyl(SURR) (S) | 96.3 | $11 / 17 / 2008$ | $11 / 17 / 2008$ | $\%$ | $(25-143)$ | 1 |

LABORATORY CONTROL SAMPLE 272935

| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | ug/Kg | 33.3 | 32.1 | 96.4 | (73-149) |  |  |
| 4,4'-DDE | ug/Kg | 33.3 | 32.2 | 96.7 | (59-163) |  |  |
| 4,4'-DDT | ug/Kg | 33.3 | 32.7 | 98.2 | (69-152) |  |  |
| Aldrin | ug/ $/ \mathrm{Kg}$ | 33.3 | 29.7 | 89.2 | (65-133) |  |  |
| alpha-BHC | ug/Kg | 33.3 | 28.8 | 86.5 | (64-134) |  |  |
| beta-BHC | ug/Kg | 33.3 | 31.5 | 94.6 | (71-132) |  |  |
| delta-BHC | ug/Kg | 33.3 | 31.3 | 94 | (61-132) |  |  |
| Dieldrin | ug/Kg | 33.3 | 32.4 | 97.3 | (65-143) |  |  |
| Endosulfan I | ug/Kg | 33.3 | 31.8 | 95.5 | (67-132) |  |  |
| Endosulfan II | ug/Kg | 33.3 | 31.3 | 94 | (70-142) |  |  |
| Endosulfan sulfate | ug/Kg | 33.3 | 32.8 | 98.5 | (70-138) |  |  |
| Endrin | ug/Kg | 33.3 | 32.2 | 96.7 | (67-154) |  |  |
| Endrin aldehyde | ug/ Kg | 33.3 | 29.6 | 88.9 | (52-117) |  |  |
| gamma-BHC (Lindane) | ug/kg | 33.3 | 29.7 | 89.2 | (64-135) |  |  |
| Heptachlor | ug/kg | 33.3 | 29.5 | 88.6 | (60-137) |  |  |
| Heptachlor epoxide | ug/Kg | 33.3 | 31.5 | 94.6 | (66-128) |  |  |
| Methoxychlor | ug/Kg | 33.3 | 33.8 | 102 | (64-159) |  |  |
| 2,4,5,6-tetrachioro-m-xylene(SUR | $u g / \mathrm{Kg}$ | 66.7 | 56.1 | 84.1 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | $u g / \mathrm{Kg}$ | 66.7 | 61.5 | 92.2 | (25-143) |  |  |
| LABORATORY CONTROL | SAMPLE | 273056 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMIT } \end{aligned}$ |
| 4,4'-DDD | $u g / \mathrm{Kg}$ | 32.1 | 28.6 | 89.1 | (73-149) |  |  |
| 4,4'-DDE | ug/kg | 32.1 | 29.4 | 91.6 | (59-163) |  |  |
| 4,4'-DDT | ug/Kg | 32.1 | 29.2 | 91 | (69-152) |  |  |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722

| LABORATORY CONTROL SAMPLE |  | 273056 |  | Matri <br> SPIKE <br> \% REC | SQ <br> \% REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT |  |  |  |  |
| Aldrin | ug/Kg | 32.1 | 30 | 93.5 | (65-133) |  |  |
| alpha-BHC | ug/Kg | 32.1 | 28.5 | 88.8 | (64-134) |  |  |
| beta-BHC | ug/Kg | 32.1 | 29.9 | 93.1 | (71-132) |  |  |
| delta-BHC | ug/Kg | 32.1 | 29.2 | 91 | (61-132) |  |  |
| Dieldrin | ug/Kg | 32.1 | 30 | 93.5 | (65-143) |  |  |
| Endosulfan I | ug/Kg | 32.1 | 29.8 | 92.8 | (67-132) |  |  |
| Endosulfan II | ug/Kg | 32.1 | 28.2 | 87.9 | (70-142) |  |  |
| Endosulfan sulfate | ug/Kg | 32.1 | 29.6 | 92.2 | (70-138) |  |  |
| Endrin | $\mathrm{ug} / \mathrm{Kg}$ | 32.1 | 30 | 93.5 | (67-154) |  |  |
| Endrin aldehyde | ug/Kg | 32.1 | 26.5 | 82.6 | (52-117) |  |  |
| gamma-BHC (Lindane) | ug/Kg | 32.1 | 29.8 | 92.8 | (64-135) |  |  |
| Heptachlor | ug/Kg | 32.1 | 30.4 | 94.7 | (60-137) |  |  |
| Heptachlor epoxide | ug/Kg | 32.1 | 29.3 | 91.3 | (66-128) |  |  |
| Methoxychlor | ug/Kg | 32.1 | 29.7 | 92.5 | (64-159) |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug/Kg | 64.3 | 59.7 | 92.8 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/ $/ \mathrm{Kg}$ | 64.3 | 57.2 | 89 | (25-143) |  |  |
| LABORATORY CONTRO | SAMP | 2730 |  | Matrix | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | RPD <br> LIMIT |
| 4.4'-DDD | ug/Kg | 32.8 | 34 | 104 | (73-149) | 17.3 | 30 |
| 4,4'-DDE | ug/Kg | 32.8 | 33 | 101 | (59-163) | 11.5 | 20 |
| 4,4'-DDT | ug/Kg | 32.8 | 35 | 107 | (69-152) | 18.1 | 22 |
| Aldrin | ug/ $/ \mathrm{Kg}$ | 32.8 | 34 | 104 | (65-133) | 12.5 | 30 |
| alpha-BHC | ug/Kg | 32.8 | 34 | 104 | (64-134) | 17.6 | 30 |
| beta-BHC | ug/Kg | 32.8 | 32 | 97.6 | (71-132) | 6.8 | 30 |
| delta-BHC | ug/Kg | 32.8 | 33 | 101 | (61-132) | 12.2 | 30 |
| Dieldrin | ug/Kg | 32.8 | 34 | 104 | (65-143) | 12.5 | 23 |
| Endosulfan I | ug/Kg | 32.8 | 33 | 101 | (67-132) | 10.2 | 30 |
| Endosulfan II | ug/Kg | 32.8 | 34 | 104 | (70-142) | 18.6 | 30 |
| Endosulfan sulfate | ug/Kg | 32.8 | 35 | 107 | (70-138) | 16.7 | 30 |
| Endrin | ug/Kg | 32.8 | 35 | 107 | (67-154) | 15.4 | 30 |
| Endrin aldehyde | ug/Kg | 32.8 | 32 | 97.6 | (52-117) | 18.8 | 30 |
| gamma-BHC (Lindane) | ug/Kg | 32.8 | 34 | 104 | (64-135) | 13.2 | 30 |
| Heptachlor | ug/Kg | 32.8 | 35 | 107 | (60-137) | 14.1 | 30 |
| Heptachlor epoxide | ug/Kg | 32.8 | 32 | 97.6 | (66-128) | 8.8 | 20 |
| Methoxychlor | ug/ $/ \mathrm{Kg}$ | 32.8 | 36 | 110 | (64-159) | 19.2 | 30 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug/ $/ \mathrm{Kg}$ | 65.6 | 67.9 | 104 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 65.6 | 63.3 | 96.5 | (25-143) |  |  |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates
WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722
METHOD: 8141

Method Blank 272540
Matrix : SQ
Associated Lab Samples : $\quad 251088304251088309251088314272540272541$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Demeton-0 | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 33 | 1 |
| Malathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 36 | 1 |
| TPP-Triphenylphosphate(SURR) | 84.6 | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272541 |  | Matrix <br> SPIKE <br> \% REC | $\begin{aligned} & \text { SQ } \\ & \text { \% REC } \\ & \text { LIMITS } \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Azinphos methyl | ug/Kg | 1610 | 1200 | 74.5 | (52-170) |  |  |
| Demeton-o | ug/Kg | 507 | 430 | 84.8 | (64-155) |  |  |
| Demeton-s | ug/Kg | 996 | 800 | 80.3 | (60-144) |  |  |
| Diazinon | ug/Kg | 1610 | 1400 | 87 | (12-176) |  |  |
| Disulfoton | ug/Kg | 1610 | 1300 | 80.7 | (59-143) |  |  |
| Ethion | ug/Kg | 1610 | 1300 | 80.7 | (56-138) |  |  |
| Malathion | ug/Kg | 1610 | 1100 | 68.3 | (68-157) |  |  |
| Methyl parathion | ug/Kg | 1610 | 1500 | 93.2 | (60-180) |  |  |
| Parathion | $\mathrm{ug} / \mathrm{Kg}$ | 1610 | 1300 | 80.7 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | $u g / \mathrm{Kg}$ | 3230 | 2600 | 80.5 | (60-130) |  |  |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

|  | METHOD: 8151 |  |
| :--- | :--- | :--- | :--- |
| Method Blank 272892 | Matrix : SQ |  |
| Associated Lab Samples : |  |  |


| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J3MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4-D | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloraprop | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 704 | 1 |
| MCPP | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 536 | 1 |
| DCAA(SURR) (S) | $36.3 \mathrm{J1}$ | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(42-108)$ | 1 |



To: Chip Hoover
Ardaman \& Associates
\(\left.$$
\begin{array}{ll}\text { Brian } & \begin{array}{l}\text { Digitally signed } \\
\text { by Brian C. Spann } \\
\text { DN: } \mathrm{C}=\mathrm{US},\end{array}
$$ <br>

cn=Brian C.\end{array}\right\}\)| Spann |
| :--- |
| Date: 2008.11.18 |
| 14:39:52-05'00' |

Mark Gudnason

WORK ORDER: 2510883
PROJECT ID: Albritton Property / 08-8722



## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information



PEER REVIEW


## Chain of Custody Record Record/Work Request

## PEL Laboratories, Inc.



1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set-fourth on the chain ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WTTH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMNG ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL 8\% OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and sinall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request



## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set-fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.

## 2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.

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4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECLAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

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10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other. Florida Department of Health \#E84207 CWA - Extractable Organics, General Chemistry,Metals, June 30, 2009 Pesticides-herbicides-PCB's, Volatile Organics RCRA/CERCLS - Extractable Organics, General Chemistry, Metals Pesticides-Herbicides-PCB's, Volatile Organics

## - CERTIFICATE OF ANALYSIS -

Report Date: 11/18/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED: Saturday, November 08, 2008

## Project Notes:

( $\dagger$ ): Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.
PEL Contact: Mark Gudnason / extension: 242

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.

The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Note: There was not sufficient sample volume to perform a matrix spike/duplicate for the following method(s). : 8081
A Blank and Laboratory Control sample was analyzed to ensure the method performed within acceptable guidelines.

[^5]
## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates
I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE METALS

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE: 11/17/2008

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.

## V. ANALYSIS

## A. Calibration:

All acceptance criteria were met with the exception of:
All PEMs and CCVs that followed samples from this project failed due to degradation of the analytical system by these sample extracts. The compound most affected is $4,4^{\prime}-$ DDT, which is converted to $4,4^{\prime}$-DDD as is demonstrated in the PEMs and CCVs. Since neither $4,4^{\prime}$-DDD nor $4,4^{\prime}$-DDT were detected, it is safe to say they were not present in the samples. Also, no other target analytes were detected in this SDG.

CCVs CCV661958, CCV661960, and CCV662569 on column STX-CLP1 had most compounds outside the $15 \% \mathrm{D}$ criterion with an average $\% \mathrm{D}$ of greater than $15 \% .4,4{ }^{\prime}$ DDT and Methoxychlor were more than $50 \%$ D. The corresponding CCVs, CCV661959, CCV661961, and CCV662570 on column STX-CLP2 also had substantial \%Ds for 4,4'DDT and Methoxychlor, with all other compounds within control limits.
The Toxaphene CCVs from these CCVset were outside control limits on both columns.
Note that the instrument was returned to compliant performance before the second day of analysis and that comparable degradation occurred after the first samples from this project.

## B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.

## CASE NARRATIVE GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

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## SIGNED:



DATE: 11/18/2008

# CASE NARRATIVE <br> GC/NPD SEMIVOLATILE ORGANIC 

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis

## V. ANALYSIS

A. Cálibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## CASE NARRATIVE

## GC/NPD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates
F. Samples:

Sample analysis proceeded normally.

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SIGNED:


DATE:_11/17/2008

## CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510884

Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met with the exception of:
Sample 322MB was recovered below criteria for the following surrogate(s): DCAA at $36.3 \%$ with criteria of (42-108).

Since the samples met all surrogate recovery acceptance criteria, no further action was taken.

Samples coded accordingly.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of: LCS 322LCS was analyzed with the soil samples extracted on 11/14/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $24.7 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (55138), 2,4 '-D at $25 \%$ with criteria of ( $30-167$ ), Dicamba at $37.7 \%$ with criteria of (48-141), Dichloroprop at $35.3 \%$ with criteria of (42-156),

## CASE NARRATIVE GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510884
Client: Ardaman \& Associates

MCPP at $19.6 \%$ with criteria of (24-155). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $24.7 \%$ with criteria of (26.5-142.5), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (41.2-151.8).

Since the MS/SD series that was extracted with this batch met all acceptance criteria, no further action was taken.

Samples coded accordingly.

## 2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

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To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251088401
Client ID : SS-27-1
Matrix : $S$

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.709 | $11 / 17 / 2008$ | $14: 43$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.42 |
| Iron | 6010 | 1070 | $11 / 17 / 2008$ | $14: 43$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.504 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088402
Client ID : SS-27-2
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.588 I | 11/17/2008 14:51 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.483 | 0.966 | 1 |
| Iron | 6010 | 718 | 11/17/2008 14:51 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.579 | 4.83 | 1 |

- CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088403
Client ID : SS-27-3
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.474 I | 11/17/2008 15:04 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.367 | 0.734 | 1 |
| Iron | 6010 | 474 | 11/17/2008 15:04 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.44 | 3.67 | 1 |

# - CERTIFICATE OF ANALYSIS - 

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088404
Client ID : $\quad$ SS-27-4
Matrix : $S$

|  |  |  |  |  |  | Analysis | Prep | Dilution |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.576 I | $11 / 17 / 2008$ | $15: 08$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.48 |
| Iron | 6010 | 1940 | $11 / 17 / 2008$ | $15: 08$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.576 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251088405
Client ID : CSS-27

## Collection Information:

Sample Date: 11/7/2008 9:29:00 AM

Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.41 U | 11/15/2008 10:26 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.41 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/15/2008 10:26 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.31 U | 11/15/2008 10:26 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.31 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.78 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.78 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/15/2008 10:26 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 10:26 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.23 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.21 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.21 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.29 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.29 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychlor | 8081 | 0.22 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 27 U | 11/15/2008 10:26 | 11/14/2008 18:00 | ug/Kg | 27 | 40 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 73.7 | 11/15/2008 10:26 | 11/14/2008 18:00 | \% | 27 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 85 | 11/15/2008 10:26 | 11/14/2008 18:00 | \% | 27 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 26 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/Kg | 26 | 120 | 1 |
| Demeton-o | 8141 | 9.7 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/Kg | 9.7 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/Kg | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/14/2008 4:36 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 26 U | 11/14/2008 4:36 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 26 | 120 | 1 |
| Malathion | 8141 | 11 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/Kg | 11 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/kg | 14 | 120 | 1 |
| Parathion | 8141 | 29 U | 11/14/2008 4:36 | 11/11/2008 17:53 | ug/Kg | 29 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 89.6 | 11/14/2008 4:36 | 11/11/2008 17:53 | \% | 29 | (60-130) | ) |
| 2,4,5-T | 8151 | 1.9 J3MU | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 1.9 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J3MU | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 2.9 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 2.9 | 11 | 1 |
| Dalapon | 8151 | 3.8 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 3.8 | 32 | 1 |
| Dicamba | 8151 | 1.9 J 3 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 1.9 | 11 | 1 |
| Dichloroprop | 8151 | 1.7 J 3 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 1.7 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 768 U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 768 | 1620 | 1 |
| MCPP | 8151 | 584 J3U | 11/17/2008 3:23 | 11/14/2008 17:56 | ug/Kg | 584 | 1620 | 1 |
| DCAA(SURR) | 8151 | 67.7 | 11/17/2008 3:23 | 11/14/2008 17:56 | \% | 584 | (42-108) | ) 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/7/2008 9:48:00 AM
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.908 I | 11/17/2008 15:12 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.625 | 1.25 | 1 |
| Iron | 6010 | 1690 | 11/17/2008 15:12 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.75 | 6.25 | 1 |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088407
Client ID : SS-28-2
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.655 U | 11/17/2008 15:16 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.655 | 1.31 | 1 |
| Iron | 6010 | 355 | 11/17/2008 15:16 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.786 | 6.55 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251088408
Client ID : SS-28-3
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.457 I | 11/17/2008 15:20 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.379 | 0.757 | 1 |
| Iron | 6010 | 254 | 11/17/2008 15:20 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.454 | 3.79 | 1 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088409
Client ID : SS-28-4
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.335 U | $11 / 17 / 2008$ | $15: 24$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.335 |
| Iron | 6010 | 130 | $11 / 17 / 2008$ | $15: 24$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.402 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088410
Client ID : CSS-28
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.49 U | 11/15/2008 10:57 | 11/14/2008 18:00 | ug/Kg | 0.49 | 1.4 | 1 |
| 4,4'-DDE | 8081 | 0.26 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.26 | 1.4 | 1 |
| 4,4'-DDT | 8081 | 0.36 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.36 | 1.4 | 1 |
| Aldrin | 8081 | 0.14 U | 11/15/2008 10:57 | 11/14/2008 18:00 | ug/Kg | 0.14 | 1.4 | 1 |
| alpha-BHC | 8081 | 0.92 U | 11/15/2008 10:57 | 11/14/2008 18:00 | ug/Kg | 0.92 | 1.4 | 1 |
| beta-BHC | 8081 | 0.14 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Chlordane | 8081 | 1.9 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 1.9 | 14 | 1 |
| delta-BHC | 8081 | 0.27 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.27 | 1.4 | 1 |
| Dieldrin | 8081 | 0.15 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1.4 | 1 |
| Endosulfan I | 8081 | 0.21 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.21 | 1.4 | 1 |
| Endosulfan II | 8081 | 0.28 U | 11/15/2008 10:57 | 11/14/2008 18:00 | ug/Kg | 0.28 | 1.4 | 1 |
| Endosulfan sulfate | 8081 | 0.19 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.19 | 1.4 | 1 |
| Endrin | 8081 | 0.25 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.25 | 1.4 | 1 |
| Endrin aldehyde | 8081 | 0.34 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.34 | 1.4 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.19 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.19 | 1.4 | 1 |
| Heptachlor | 8081 | 0.14 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Heptachlor epoxide | 8081 | 0.14 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Methoxychlor | 8081 | 0.26 U | 11/15/2008 10:57 | 11/14/2008 18:00 | ug/Kg | 0.26 | 1.4 | 1 |
| Toxaphene | 8081 | 32 U | 11/15/2008 10:57 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 48 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 74.2 | 11/15/2008 10:57 | 11/14/2008 18:00 | \% | 32 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 75.6 | 11/15/2008 10:57 | 11/14/2008 18:00 | \% | 32 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 30 U | 11/14/2008 5:37 | 11/11/2008 17:53 | ug/Kg | 30 | 140 | 1 |
| Demeton-0 | 8141 | 11 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 11 | 140 | 1 |
| Demeton-s | 8141 | 14 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 140 | 1 |
| Diazinon | 8141 | 19 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 19 | 140 | 1 |
| Disulfoton | 8141 | 25 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 25 | 140 | 1 |
| Ethion | 8141 | 31 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 31 | 140 | 1 |
| Malathion | 8141 | 13 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 13 | 140 | 1 |
| Methyl parathion | 8141 | 16 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 16 | 140 | 1 |
| Parathion | 8141 | 34 U | 11/14/2008 5:37 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 34 | 140 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 86.5 | 11/14/2008 5:37 | 11/11/2008 17:53 | \% | 34 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2.3 J3MU | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/Kg | 2.3 | 13 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.6 J 3 MU | 11/17/2008 3:59 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 13 | 1 |
| 2,4'-D | 8151 | 2.9 J3U | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/Kg | 2.9 | 13 | 1 |
| 2,4-DB | 8151 | 3.4 U | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/Kg | 3.4 | 13 | 1 |
| Dalapon | 8151 | 4.5 U | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/ $/ \mathrm{Kg}$ | 4.5 | 38 | 1 |
| Dicamba | 8151 | 2.3 J3U | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/Kg | 2.3 | 13 | 1 |
| Dichloroprop | 8151 | 2 J 3 U | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/Kg | 2 | 13 | 1 |
| Dinoseb | 8151 | 2.7 U | 11/17/2008 3:59 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 13 | 1 |
| MCPA | 8151 | 905 U | 11/17/2008 3:59 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 905 | 1910 | 1 |
| MCPP | 8151 | 688 J3U | 11/17/2008 3:59 | 11/14/2008 17:56 | ug/Kg | 688 | 1910 | 1 |
| DCAA(SURR) | 8151 | 67.9 | 11/17/2008 3:59 | 11/14/2008 17:56 | \% | 688 | (42-108) | ) 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Client ID : SS-29-1
Sample Date: 11/7/2008 10:26:00 AM
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.504 I | 11117/2008 15:28 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.491 | 0.983 | 1 |
| Iron | 6010 | 500 | 11/17/2008 15:28 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.59 | 4.91 | 1 |

## - CERTIFICATE OF ANALYSIS -

## To: Chip Hoover

 Ardaman \& AssociatesPEL Lab\# : 251088412
Client ID : SS-29-2
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.01 I | 11/17/2008 15:32 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.532 | 1.06 | 1 |
| Iron | 6010 | 1350 | 11/17/2008 15:32 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.638 | 5.32 | 1 |

PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/7/2008 10:28:00 AM

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088413
Client ID : SS-29-3
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.71 | 11/17/2008 15:36 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.316 | 0.631 | 1 |
| Iron | 6010 | 1300 | 11/17/2008 15:36 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.379 | 3.16 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251088414
Client ID : SS-29-4
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.531 I | 11/17/2008 15:40 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.442 | 0.884 | 1 |
| Iron | 6010 | 1560 | 11/17/2008 15:40 | 11/13/2008 10:26 | $\mathrm{mg} / \mathrm{Kg}$ | 0.53 | 4.42 | 1 |

## FLDOH \#E84207

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251088415
Client ID : CSS-29
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.42 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.42 | 1.2 | 1 |
| 4,4'-DDE | 8081 | 0.22 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| 4,4'-DDT | 8081 | 0.31 U | 11/15/2008 11:29 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.31 | 1.2 | 1 |
| Aldrin | 8081 | 0.12 U | 11/15/2008 11:29 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| alpha-BHC | 8081 | 0.79 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.79 | 1.2 | 1 |
| beta-BHC | 8081 | 0.12 U | 11/15/2008 11:29 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.12 | 1.2 | 1 |
| Chlordane | 8081 | 1.6 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 1.6 | 12 | 1 |
| delta-BHC | 8081 | 0.23 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.2 | 1 |
| Dieldrin | 8081 | 0.13 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/kg | 0.13 | 1.2 | 1 |
| Endosulfan I | 8081 | 0.18 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.2 | 1 |
| Endosulfan II | 8081 | 0.24 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.2 | 1 |
| Endosulfan sulfate | 8081 | 0.16 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.16 | 1.2 | 1 |
| Endrin | 8081 | 0.22 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| Endrin aldehyde | 8081 | 0.3 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.3 | 1.2 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.16 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.16 | 1.2 | 1 |
| Heptachlor | 8081 | 0.12 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Heptachlor epoxide | 8081 | 0.12 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.12 | 1.2 | 1 |
| Methoxychior | 8081 | 0.22 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 0.22 | 1.2 | 1 |
| Toxaphene | 8081 | 28 U | 11/15/2008 11:29 | 11/14/2008 18:00 | ug/Kg | 28 | 41 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 75 | 11/15/2008 11:29 | 11/14/2008 18:00 | \% | 28 | (35-135) | 1 |
| Decachiorobiphenyl(SURR) | 8081 | 79.9 | 11/15/2008 11:29 | 11/14/2008 18:00 | \% | 28 | (25-143) | 1 |
| Azinphos methyl | 8141 | 26 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 26 | 120 | 1 |
| Demeton-o | 8141 | 9.8 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 9.8 | 120 | 1 |
| Demeton-s | 8141 | 12 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 12 | 120 | 1 |
| Diazinon | 8141 | 16 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 16 | 120 | 1 |
| Disulfoton | 8141 | 22 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 22 | 120 | 1 |
| Ethion | 8141 | 27 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 27 | 120 | 1 |
| Malathion | 8141 | 11 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 11 | 120 | 1 |
| Methyl parathion | 8141 | 14 U | 11/14/2008 6:38 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 120 | 1 |
| Parathion | 8141 | 29 U | 11/14/2008 6:38 | 11/11/2008 17:53 | ug/Kg | 29 | 120 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 84.9 | 11/14/2008 6:38 | 11/11/2008 17:53 | \% | 29 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2 J3MU | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.4 J 3 MU | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 1.4 | 11 | 1 |
| 2,4'-D | 8151 | 2.5 J 3 U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 2.5 | 11 | 1 |
| 2,4-DB | 8151 | 3 U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 3 | 11 | 1 |
| Dalapon | 8151 | 3.9 U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 3.9 | 33 | 1 |
| Dicamba | 8151 | 2 J 3 U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 2 | 11 | 1 |
| Dichloroprop | 8151 | 1.8 J3U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 1.8 | 11 | 1 |
| Dinoseb | 8151 | 2.3 U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 2.3 | 11 | 1 |
| MCPA | 8151 | 784 U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 784 | 1660 | 1 |
| MCPP | 8151 | 596 J3U | 11/17/2008 4:35 | 11/14/2008 17:56 | ug/Kg | 596 | 1660 | 1 |
| DCAA(SURR) | 8151 | 71.1 | 11/17/2008 4:35 | 11/14/2008 17:56 | \% | 596 | (42-108) | , |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088416
Client ID : SS-30-1
Matrix : $S$

|  |  |  |  |  |  | Analysis | Prep <br> Parameter | Method |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088417
Client ID : SS-30-2
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | $0.372 ~ I$ | $11 / 17 / 2008$ | $15: 57$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.345 |
| Iron | 6010 | 354 | $11 / 17 / 2008$ | $15: 57$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.414 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088418
Client ID : SS-30-3
Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |  |
| Arsenic | 6010 | 0.494 | $11 / 17 / 2008$ | $16: 01$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.382 | 0.765 |
| Iron | 6010 | 283 | $11 / 17 / 2008$ | $16: 01$ | $11 / 13 / 2008$ | $10: 26$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.459 | 3.82 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

Associated Lab Samples : $\quad 251088401251088402251088403251088404251088406251088407251088408251088409251088411$ 251088412251088413251088414251088416251088417251088418272731272732272733

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | $U$ | $11 / 17 / 2008$ | $11 / 13 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 17 / 2008$ | $11 / 13 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |


| LABORATORY CONTROL | SAMPLE | 272 |  | Matrix : | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMIT } \end{aligned}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 47.2 | 94.4 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4810 | 96.2 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 2727 |  | Matrix : | SQ |  |  |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \% REC LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMTT } \end{aligned}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 44.7 | 89.4 | (80-120) | 5.4 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4640 | 92.8 | (80-120) | 3.6 | 20 |

- CERTIFICATE OF ANALYSIS -


FLDOH \#E84207

To: $\begin{array}{ll}\text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$
$\qquad$

Method Blank 272934
Matrix : SQ
Associated Lab Samples : $\quad 251088405251088410251088415272934272935$

| Parameter | Results | Analysis Date | Prep Date | Units | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.5 | 1 |
| 4,4'-DDE | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.26 | 1 |
| 4,4'-DDT | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.37 | 1 |
| Aldrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| alpha-BHC | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.94 | 1 |
| beta-BHC | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| Chlordane | U | 11/14/2008 | 11/14/2008 | ug/Kg | 2 | 1 |
| delta-BHC | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.28 | 1 |
| Dieldrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.16 | 1 |
| Endosulfan I | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.22 | 1 |
| Endosulfan II | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.28 | 1 |
| Endosulfan sulfate | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.2 | 1 |
| Endrin | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.26 | 1 |
| Endrin aldehyde | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.35 | 1 |
| gamma-BHC (Lindane) | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.2 | 1 |
| Heptachlor | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| Heptachlor epoxide | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.15 | 1 |
| Methoxychlor | U | 11/14/2008 | 11/14/2008 | ug/Kg | 0.26 | 1 |
| Toxaphene | U | 11/14/2008 | 11/14/2008 | ug/kg | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 81.1 | 11/14/2008 | 11/14/2008 | \% | (35-135) | 1 |
| Decachlorobiphenyi(SURR) (S) | 96.5 | 11/14/2008 | 11/14/2008 | \% | (25-143) | 1 |

LABORATORY CONTROL SAMPLE 272935 Matrix : SQ

| PARAMETER | UNITS | SPIKE <br> CONC | LCS <br> RESULT | SPIKE <br> \%REC | \%REC <br> LIMITS | RPD |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| LIMIT |  |  |  |  |  |  |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

| LABORATORY CONTROL SAMPLE |  | 272935 |  | Matrix <br> SPIKE <br> \% REC | $\begin{aligned} & \text { SQ } \\ & \text { \%REC } \\ & \text { LIMITS } \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Heptachlor epoxide | $u g / \mathrm{Kg}$ | 33.3 | 31.5 | 94.6 | (66-128) |  |  |
| Methoxychlor | ug/Kg | 33.3 | 33.8 | 102 | (64-159) |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | ug/Kg | 66.7 | 56.1 | 84.1 | (35-135) |  |  |
| Decachlorobiphenyl(SURR) (S) | ug/Kg | 66.7 | 61.5 | 92.2 | (25-143) |  |  |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

|  | METHOD: 8141 |  |
| :--- | :--- | :--- | :--- |
| Method Blank 272540 |  |  |
| Matrix : SQ |  |  |

Associated Lab Samples : $\quad 251088405251088410251088415272540272541$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Demeton-o | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{kg}$ | 33 | 1 |
| Malathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 13 / 2008$ | $11111 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 36 | 1 |
| TPP-Triphenylphosphate(SURR) | 84.6 | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272541 |  | Matrix <br> SPIKE <br> \% REC | SQ <br> \% REC <br> LIMITS | RPD | RPD LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  |  |  |
| Azinphos methyl | ug/Kg | 1610 | 1200 | 74.5 | (52-170) |  |  |
| Demeton-o | ug/Kg | 507 | 430 | 84.8 | (64-155) |  |  |
| Demeton-s | ug/Kg | 996 | 800 | 80.3 | (60-144) |  |  |
| Diazinon | ug/Kg | 1610 | 1400 | 87 | (12-176) |  |  |
| Disulfoton | ug/Kg | 1610 | 1300 | 80.7 | (59-143) |  |  |
| Ethion | ug/Kg | 1610 | 1300 | 80.7 | (56-138) |  |  |
| Malathion | ug/Kg | 1610 | 1100 | 68.3 | (68-157) |  |  |
| Methyl parathion | ug/Kg | 1610 | 1500 | 93.2 | (60-180) |  |  |
| Parathion | ug/Kg | 1610 | 1300 | 80.7 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | ug/Kg | 3230 | 2600 | 80.5 | (60-130) |  |  |

- CERTIFICATE OF ANALYSIS -



## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

Method Blank 272892
Associated Lab Samples : 251088405251088410251088415272892272893

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4-D | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloroprop | $\mathrm{J} U$ | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 704 | 1 |
| MCPP | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 536 | 1 |
| DCAA(SURR) (S) | 36.3 Jl | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(42-108)$ | 1 |

LABORATORY CONTROL SAMPLE 272893 Matrix : SQ

|  |  | SPIKE | LCS | SPIKE | \%REC |  | RPD |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTS | CONC | RESULT | \%REC | LIMITS | RPD | LIMIT |


| 2,4,5-T | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 7.4 | 24.7 | $*(41-128)$ |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-TP (Silvex) | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 11.5 | 38.3 | $*(55-138)$ |  |
| 2,4-D | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 7.5 | 25 | $*$ | $(30-167)$ |
| 2,4-DB | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 21.7 | 72.3 | $(30-168)$ |  |
| Dalapon | $\mathrm{ug} / \mathrm{Kg}$ | 74.9 | 38.4 | 51.3 | $(30-129)$ |  |
| Dicamba | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 11.3 | 37.7 | $*(48-141)$ |  |
| Dichloroprop | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 10.6 | 35.3 | $*(42-156)$ |  |
| Dinoseb | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 26.9 | 89.7 | $(47-123)$ |  |
| MCPA | $\mathrm{ug} / \mathrm{Kg}$ | 3000 | 709 | 23.6 | $(18-143)$ |  |
| MCPP | $\mathrm{ug} / \mathrm{Kg}$ | 3000 | 588 | 19.6 | $*(24-155)$ |  |
| DCAA(SURR) (S) | $\mathrm{ug} / \mathrm{Kg}$ | 74.9 | 50.3 | 67.2 | $(42-108)$ |  |

To: Chip Hoover
Ardaman \& Associates
WORK ORDER: 2510884
PROJECT ID: Albritton Property / 08-8722
Brian C. rampmomembanc Spann
DN: $c=U S, c n=$ Brian C. Spann
Spann Date: 2008.11 .18 14:41:34

$$
-05^{\prime} 00^{\prime}
$$

| Brian C. Spann | Laboratory Manager |
| :--- | :--- |
|  | or |
| Mark Gudnason | Quality Assurance Officer |




## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2510884 | Req: 1110 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Client: | Ardaman | Project: Generic |  |  |  |
| Level: | 1 | Date Rec'd: 11/8/2008 10:30:00 AM |  |  |  |
| Rec'd via: | courier | Due Date: 11/17/08 |  |  |  |
| Sample Verification |  |  |  |  |  |
| Samples/Cod | er Secure? | Yes | All Samples on COC accounted For? |  | Yes |
| Temperatur | of Samples(Celsius) | 46 | All Samples Rec'd Intact? |  | Yes |
| pH Verified? |  | No | Sample Vol. Stuff. For Analysis? |  | Yes |
| PH WNL? |  | No | Samples Rec'd W/l Hold Time? |  | Yes |
| Sail Origin (Domestic/Forelgn): |  | Domestic | \|Are All Samples to be Analyzed? |  | Yes |
| Slte Location/Project on COC? |  | Yes | Correct Sample Containers? |  | Yes |
| Client Project \# on COC? |  | Yes | COC Comments written on COC? |  | Yes |
| Project Mgr. Indicated on COC? |  | Yes | Samplers Initials on COC? |  | Yes |
| COC relinquished/Dated by Cllent? |  | Yos | Sample Date/Time Indicated? |  | Yeo |
| COC Received/Dated by PEL? |  | Yes | TAT Requested: |  | STD |
| Specific Subcontract Indicated? |  | iNo | Client Requests Verbal Results? |  | No |
| Samples Recelved By |  | courier | Client Requests Faxod Results? |  | No |
| PEL to Conduct ALL Analyses? |  |  |  |  |  |



## Chain of Custody Record <br> Record/Work Request



1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty ( 30 ) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty ( 60 ) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARLLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMA GES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

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WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request

## PEL Laboratories, Inc.



## GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set-fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.

## 2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.

3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECLAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

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7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

Florida Department of Health \#E84207
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: 11/18/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED:

Albritton Property / 08-8722
2510885
Saturday, November 08, 2008

Project Notes:
$(\dagger)$ : Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.
PEL Contact: Mark Gudnason / extension: 242

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range 3M. The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.
Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.
The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Note: There was not sufficient sample volume to perform a matrix spike/duplicate for the following method(s). : 8081
A Blank and Laboratory Control sample was analyzed to ensure the method performed within acceptable guidelines.

RL - Reporing Limit. The PEL. lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

## CASE NARRATIVE <br> METALS

## PEL Lab Reference No./SDG: 2510885

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.
II. HOLDING TIMES
A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Soil samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Method 3050B.
V. ANALYSIS
A. Calibration:

All acceptance criteria were met.

## B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE METALS

PEL Lab Reference No./SDG: 2510885
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE: 11/17/2008

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510885
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8081.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8081 semi-volatile analysis.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met with the exception of:
All PEMs and CCVs that followed samples from this project failed due to degradation of the analytical system by these sample extracts. The compound most affected is $4,4^{\prime}-$ DDT, which is converted to $4,4^{\prime}$-DDD as is demonstrated in the PEMs and CCVs. Since neither $4,4^{\prime}$-DDD nor $4,4^{\prime}$-DDT were detected, it is safe to say they were not present in the samples. Also, no other target analytes were detected in this SDG.

CCVs CCV661958, CCV661960, and CCV662569 on column STX-CLP1 had most compounds outside the $15 \% \mathrm{D}$ criterion with an average $\% \mathrm{D}$ of greater than $15 \% .4,4$ 'DDT and Methoxychlor were more than 50\%D. The corresponding CCVs, CCV661959, CCV661961, and CCV662570 on column STX-CLP2 also had substantial \%Ds for 4,4'DDT and Methoxychlor, with all other compounds within control limits. The Toxaphene CCVs from these CCVset were outside control limits on both columns.

Note that the instrument was returned to compliant performance before the second day of analysis and that comparable degradation occurred after the first samples from this project.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

## CASE NARRATIVE GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510885

Client: Ardaman \& Associates

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.
F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

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## CASE NARRATIVE

 GC/NPD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510885
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.
III. METHODS

EPA SW846 8141.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8141 semi-volatiles analysis

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met.
D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## CASE NARRATIVE

 GC/NPD SEMIVOLATILE ORGANICPEL Lab Reference No./SDG: 2510885
Client: Ardaman \& Associates
F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


DATE: $11 / 17 / 2008$

## CASE NARRATIVE

GC/ECD SEMIVOLATILE ORGANIC

PEL Lab Reference No./SDG: 2510885
Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.
II. HOLDING TIMES
A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

EPA SW846 8151 chlorinated acid herbicides.

## IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8151 semi-volatile analysis.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

All acceptance criteria were met.
C. Surrogates:

All acceptance criteria were met with the exception of: Sample 322MB was recovered below criteria for the following surrogate(s): DCAA at $36.3 \%$ with criteria of (42-108).

Since the samples met all surrogate recovery acceptance criteria, no further action was taken.

Samples coded accordingly.
D. Spikes:

## 1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:
LCS 322LCS was analyzed with the soil samples extracted on 11/14/08. The following analyte(s) were recovered below criteria: 2,4,5-T at $24.7 \%$ with criteria of (41-128), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of ( $55-$ 138), 2,41 -D at $25 \%$ with criteria of ( $30-167$ ), Dicamba at $37.7 \%$ with criteria of (48-141), Dichloroprop at $35.3 \%$ with criteria of (42-156),

# CASE NARRATIVE <br> GC/ECD SEMIVOLATILE ORGANIC 

PEL Lab Reference No./SDG: 2510885
Client: Ardaman \& Associates

MCPP at $19.6 \%$ with criteria of (24-155). The following analyte(s) had marginal exceedance limit failures: $2,4,5-\mathrm{T}$ at $24.7 \%$ with criteria of (26.5-142.5), 2,4,5-TP (Silvex) at $38.3 \%$ with criteria of (41.2-151.8).

Since the MS/SD that was extracted with this batch met all acceptance criteria, no further action was taken.

Samples coded accordingly.
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

## E. Internal Standards:

This method does not require the use of internal standards.

## F. Samples:

Sample analysis proceeded normally.

Data was collected using dual column analysis. Please note that the higher value of the two columns is reported, unless the $\% \mathrm{D}$ between the two columns is $>40 \%$, in which case the lower of the two values is reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED:


DATE: 11/18/2008

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

PEL Lab\#: 251088501
Client ID : SS-30-4
Matrix : SO

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.546 I | $11 / 17 / 2008$ | $16: 17$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.504 |
| Iron | 6010 | 665 | $11 / 17 / 2008$ | $16: 17$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.605 |

FLDOH \#E84207

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251088502
Client ID : CSS-30
Matrix : SO

| Parameter | Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.45 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.45 | 1.3 | 1 |
| 4,4'-DDE | 8081 | 0.24 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.3 | 1 |
| 4,4'-DDT | 8081 | 0.34 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.34 | 1.3 | 1 |
| Aldrin | 8081 | 0.13 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| alpha-BHC | 8081 | 0.85 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.85 | 1.3 | 1 |
| beta-BHC | 8081 | 0.13 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| Chlordane | 8081 | 1.8 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 1.8 | 13 | 1 |
| deita-BHC | 8081 | 0.25 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.25 | 1.3 | 1 |
| Dieldrin | 8081 | 0.14 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.14 | 1.3 | 1 |
| Endosulfan I | 8081 | 0.19 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.19 | 1.3 | 1 |
| Endosulfan II | 8081 | 0.26 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.26 | 1.3 | 1 |
| Endosulfan sulfate | 8081 | 0.18 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.3 | 1 |
| Endrin | 8081 | 0.23 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.23 | 1.3 | 1 |
| Endrin aldehyde | 8081 | 0.32 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.32 | 1.3 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.18 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.3 | 1 |
| Heptachlor | 8081 | 0.13 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| Heptachlor epoxide | 8081 | 0.13 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.13 | 1.3 | 1 |
| Methoxychlor | 8081 | 0.24 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.3 | 1 |
| Toxaphene | 8081 | 30 U | 11/15/2008 12:01 | 11/14/2008 18:00 | ug/Kg | 30 | 44 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 75.3 | 11/15/2008 12:01 | 11/14/2008 18:00 | \% | 30 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 83.8 | 11/15/2008 12:01 | 11/14/2008 18:00 | \% | 30 | (25-143) | 1 |
| Azinphos methyl | 8141 | 28 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 28 | 130 | 1 |
| Demeton-a | 8141 | 11 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 11 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 18 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 18 | 130 | 1 |
| Disulfoton | 8141 | 24 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 24 | 130 | 1 |
| Ethion | 8141 | 29 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 29 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 15 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 15 | 130 | 1 |
| Parathion | 8141 | 32 U | 11/14/2008 7:39 | 11/11/2008 17:53 | ug/Kg | 32 | 130 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 88.1 | 11/14/2008 7:39 | 11/11/2008 17:53 | \% | 32 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J 3 MU | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.7 J 3 U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 2.7 | 12 | 1 |
| 2,4-DB | 8151 | 3.2 U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 3.2 | 12 | 1 |
| Dalapon | 8151 | 4.1 U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 4.1 | 35 | 1 |
| Dicamba | 8151 | 2.1 J3U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 2.1 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J 3 U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.5 U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 2.5 | 12 | 1 |
| MCPA | 8151 | 837 U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 837 | 1770 | 1 |
| MCPP | 8151 | 637 J3U | 11/17/2008 5:11 | 11/14/2008 17:56 | ug/Kg | 637 | 1770 | 1 |
| DCAA(SURR) | 8151 | 69.1 | 11/17/2008 5:11 | 11/14/2008 17:56 | \% | 637 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088503
Client ID : SS-31-1
Matrix : SO

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/7/2008 11:29:00 AM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 0.879 I | $11 / 17 / 2008$ | $16: 46$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.56 | 1.12 |
| 6010 | 1230 | $11 / 17 / 2008$ | $16: 46$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.672 | 5.6 |

## - CERTIFICATE OF ANALYSIS - <br> FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088504
Client ID : SS-31-2
Matrix : SO

|  |  |  |  |  |  | Analysis | Prep |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 6010 | 403 | $11 / 17 / 2008$ | $16: 50$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ |
| Iron |  | 0.525 | 1.05 | 1 |  |  |  |  |
|  |  |  | $11 / 17 / 2008$ | $16: 50$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.63 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088505
Client ID : SS-31-3
Matrix : SO

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 7 / 2008$ 11:33:00 AM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | 0.59 I | $11 / 17 / 2008$ | $16: 54$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.489 |
| Iron | 6010 | 331 | $11 / 17 / 2008$ | $16: 54$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.587 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251088506
Collection Information:
Client ID : SS-31-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.41 | 11/17/2008 16:58 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.374 | 0.747 | 1 |
| Iron | 6010 | 1780 | 11/17/2008 16:58 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.448 | 3.74 | 1 |

## - CERTIFICATE OF ANALYSIS -



FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088507
Client ID : CSS-31
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.49 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.49 | 1.4 | 1 |
| 4,4'-DDE | 8081 | 0.26 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.26 | 1.4 | 1 |
| 4,4'-DDT | 8081 | 0.36 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/kg | 0.36 | 1.4 | 1 |
| Aldrin | 8081 | 0.14 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.14 | 1.4 | 1 |
| alpha-BHC | 8081 | 0.92 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $u g / \mathrm{Kg}$ | 0.92 | 1.4 | 1 |
| beta-BHC | 8081 | 0.14 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Chlordane | 8081 | 1.9 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 1.9 | 14 | 1 |
| delta-BHC | 8081 | 0.27 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.27 | 1.4 | 1 |
| Dieldrin | 8081 | 0.15 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1.4 | 1 |
| Endosulfan I | 8081 | 0.21 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.21 | 1.4 | 1 |
| Endosulfan II | 8081 | 0.28 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1.4 | 1 |
| Endosulfan sulfate | 8081 | 0.19 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.19 | 1.4 | 1 |
| Endrin | 8081 | 0.25 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.25 | 1.4 | 1 |
| Endrin aldehyde | 8081 | 0.34 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.34 | 1.4 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.19 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.19 | 1.4 | 1 |
| Heptachlor | 8081 | 0.14 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.14 | 1.4 | 1 |
| Heptachlor epoxide | 8081 | 0.14 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.14 | 1.4 | 1 |
| Methoxychlor | 8081 | 0.26 U | 11/16/2008 12:27 | 11/14/2008 18:00 | ug/Kg | 0.26 | 1.4 | 1 |
| Toxaphene | 8081 | 32 U | 11/16/2008 12:27 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 48 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 80 | 11/16/2008 12:27 | 11/14/2008 18:00 | \% | 32 | (35-135) | 1 |
| Decachlorobiphenyl(SURR) | 8081 | 79.8 | 11/16/2008 12:27 | 11/14/2008 18:00 | \% | 32 | (25-143) | 1 |
| Azinphos methyl | 8141 | 30 U | 11/14/2008 10:42 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 140 | 1 |
| Demeton-o | 8141 | 11 U | 11/14/2008 10:42 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 11 | 140 | 1 |
| Demetor-s | 8141 | 14 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 14 | 140 | 1 |
| Diazinon | 8141 | 19 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 19 | 140 | 1 |
| Disulfotor | 8141 | 25 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 25 | 140 | 1 |
| Ethion | 8141 | 31 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 31 | 140 | 1 |
| Malathion | 8141 | 13 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 13 | 140 | 1 |
| Methyl parathion | 8141 | 16 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 16 | 140 | 1 |
| Parathion | 8141 | 34 U | 11/14/2008 10:42 | 11/11/2008 17:53 | ug/Kg | 34 | 140 | 1 |
| TPP-Triphenylphosphate(SURR) | 8141 | 79.6 | 11/14/2008 10:42 | 11/11/2008 17:53 | \% | 34 | (60-130) | 1 |
| 2,4,5-T | 8151 | 2.3 J3MU | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 2.3 | 13 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.7 J3MU | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 1.7 | 13 | 1 |
| 2,4'-D | 8151 | 2.9 J3U | 11/17/2008 5:47 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 2.9 | 13 | 1 |
| 2,4-DB | 8151 | 3.4 U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 3.4 | 13 | 1 |
| Dalapon | 8151 | 4.5 U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 4.5 | 38 | 1 |
| Dicamba | 8151 | 2.3 J3U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 2.3 | 13 | 1 |
| Dichloroprop | 8151 | 2 J 3 U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 2 | 13 | 1 |
| Dinoseb | 8151 | 2.7 U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 2.7 | 13 | 1 |
| MCPA | 8151 | 907 U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 907 | 1920 | 1 |
| MCPP | 8151 | 690 J3U | 11/17/2008 5:47 | 11/14/2008 17:56 | ug/Kg | 690 | 1920 | 1 |
| DCAA(SURR) | 8151 | 76.9 | 11/17/2008 5:47 | 11/14/2008 17:56 | \% | 690 | (42-108) | 1 |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251088508
Client ID : SS-32-1
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 1.18 | 11/17/2008 17:02 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.513 | 1.02 | 1 |
| Iron | 6010 | 1080 | 11/17/2008 17:02 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.615 | 5.13 | 1 |

Sample Date: $\quad 11 / 7 / 2008$ 11:56:00 AM
WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251088509
Client ID : SS-32-2
Matrix : SO
Collection Information:
Sample Date: 11/7/2008 11:58:00 AM

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.631 I | 11/17/2008 17:06 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.497 | 0.994 | 1 |
| Iron | 6010 | 738 | 11/17/2008 17:06 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.598 | 4.97 | 1 |

## - CERTIFICATE OF ANALYSIS -

$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$

PEL Lab\# : 251088510
Client ID : SS-32-3
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | 0.52 I | 11/17/2008 17:10 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.336 | 0.672 | 1 |
| Iron | 6010 | 756 | 11/17/2008 17:10 | 11/13/2008 10:40 | $\mathrm{mg} / \mathrm{Kg}$ | 0.403 | 3.36 | 1 |

PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 7 / 2008$ 12:01:00 PM

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088511
Client ID : SS-32-4
Matrix : SO

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: $\quad 11 / 7 / 2008$ 12:04:00 PM

| Method | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | 1.02 | $11 / 17 / 2008$ | $17: 14$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.317 | 0.634 |
| 6010 | 854 | $11 / 17 / 2008$ | $17: 14$ | $11 / 13 / 2008$ | $10: 40$ | $\mathrm{mg} / \mathrm{kg}$ | 0.38 | 3.17 |

# - CERTIFICATE OF ANALYSIS - <br> FLDOH \#E84207 

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251088512
Client ID : CSS-32
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | 8081 | 0.6 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.6 | 1.8 | 1 |
| 4,4'-DDE | 8081 | 0.32 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/ $/ \mathrm{Kg}$ | 0.32 | 1.8 | 1 |
| 4,4'-DDT | 8081 | 0.45 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.45 | 1.8 | 1 |
| Aldrirı | 8081 | 0.18 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/ Kg | 0.18 | 1.8 | 1 |
| alpha-BHC | 8081 | 1.1 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 1.1 | 1.8 | 1 |
| beta-BHC | 8081 | 0.18 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.8 | 1 |
| Chlordane | 8081 | 2.4 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 2.4 | 18 | 1 |
| delta-BHC | 8081 | 0.33 U | 11/16/2008 12:59 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 0.33 | 1.8 | 1 |
| Dieldrin | 8081 | 0.19 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.19 | 1.8 | 1 |
| Endosulfan I | 8081 | 0.26 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.26 | 1.8 | 1 |
| Endosulfan II | 8081 | 0.34 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.34 | 1.8 | 1 |
| Endosulfan sulfate | 8081 | 0.24 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.8 | 1 |
| Endrin | 8081 | 0.31 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.31 | 1.8 | 1 |
| Endrin aldehyde | 8081 | 0.42 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.42 | 1.8 | 1 |
| gamma-BHC (Lindane) | 8081 | 0.24 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.24 | 1.8 | 1 |
| Heptachlor | 8081 | 0.18 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.8 | 1 |
| Heptachlor epoxide | 8081 | 0.18 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.18 | 1.8 | 1 |
| Methoxychlor | 8081 | 0.32 U | 11/16/2008 12:59 | 11/14/2008 18:00 | ug/Kg | 0.32 | 1.8 | 1 |
| Toxaphene | 8081 | 39 U | 11/16/2008 12:59 | 11/14/2008 18:00 | $\mathrm{ug} / \mathrm{Kg}$ | 39 | 59 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 8081 | 74.3 | 11/16/2008 12:59 | 11/14/2008 18:00 | \% | 39 | (35-135) | ) 1 |
| Decachlorobiphenyl(SURR) | 8081 | 81.4 | 11/16/2008 12:59 | 11/14/2008 18:00 | \% | 39 | (25-143) | ) 1 |
| Azinphos methyl | 8141 | 27 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 27 | 130 | 1 |
| Demeton-o | 8141 | 10 U | 11/14/2008 11:43 | 11/11/2008 17:53 | $\mathrm{ug} / \mathrm{Kg}$ | 10 | 130 | 1 |
| Demeton-s | 8141 | 13 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 13 | 130 | 1 |
| Diazinon | 8141 | 17 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 17 | 130 | 1 |
| Disulfoton | 8141 | 23 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 23 | 130 | 1 |
| Ethion | 8141 | 28 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 28 | 130 | 1 |
| Malathion | 8141 | 12 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 12 | 130 | 1 |
| Methyl parathion | 8141 | 14 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/Kg | 14 | 130 | 1 |
| Parathion | 8141 | 31 U | 11/14/2008 11:43 | 11/11/2008 17:53 | ug/ $/ \mathrm{Kg}$ | 31 | 130 | 1 |
| TPP-Tniphenylphosphate(SURR) | 8141 | 84.2 | 11/14/2008 11:43 | 11/11/2008 17:53 | \% | 31 | (60-130) | ) 1 |
| 2,4,5-T | 8151 | 2.1 J3MU | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/Kg | 2.1 | 12 | 1 |
| 2,4,5-TP (Silvex) | 8151 | 1.5 J3MU | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/ Kg | 1.5 | 12 | 1 |
| 2,4'-D | 8151 | 2.7 J 3 U | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/Kg | 2.7 | 12 | 1 |
| 2,4-DB | 8151 | 3.2 U | 11/17/2008 6:23 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 3.2 | 12 | 1 |
| Dalapon | 8151 | 4.1 U | 11/17/2008 6:23 | 11/14/2008 17:56 | $\mathrm{ug} / \mathrm{Kg}$ | 4.1 | 36 | 1 |
| Dicamba | 8151 | 2.1 J3U | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/ Kg | 2.1 | 12 | 1 |
| Dichloroprop | 8151 | 1.9 J 3 U | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/ Kg | 1.9 | 12 | 1 |
| Dinoseb | 8151 | 2.5 U | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/Kg | 2.5 | 12 | 1 |
| MCPA | 8151 | 841 U | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/Kg | 841 | 1780 | 1 |
| MCPP | 8151 | 640 J3U | 11/17/2008 6:23 | 11/14/2008 17:56 | ug/Kg | 640 | 1780 | 1 |
| DCAA(SURR) | 8151 | 77.2 | 11/17/2008 6:23 | 11/14/2008 17:56 | \% | 640 | (42-108) | ) 1 |

PROJECT ID: Albritton Property / 08-8722

Collection Information:
Sample Date: $\quad 11 / 7 / 2008$ 12:05:00 PM

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

Matrix : SQ

Associated Lab Samples : $\quad 251088501251088503251088504251088505251088506251088508251088509251088510251088511272740$ 272741272742

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $11 / 17 / 2008$ | $11 / 13 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.5 | 1 |
| Iron | U | $11 / 17 / 2008$ | $11 / 13 / 2008$ | $\mathrm{mg} / \mathrm{Kg}$ | 0.6 | 1 |


| LABORATORY CONTROL | AMPLE | 272 |  | Matrix : | SQ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMIT } \end{aligned}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 45.5 | 91 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4570 | 91.4 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 2727 |  | Matrix : | SQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | LCS RESULT | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{aligned} & \text { RPD } \\ & \text { LIMIT } \end{aligned}$ |
| Arsenic | $\mathrm{mg} / \mathrm{Kg}$ | 50 | 49.3 | 98.6 | (80-120) | 8 | 20 |
| Iron | $\mathrm{mg} / \mathrm{Kg}$ | 5000 | 4920 | 98.4 | (80-120) | 7.4 | 20 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates
$\qquad$

Method Blank 272934
Matrix : SQ

Associated Lab Samples : $\quad 251088502251088507251088512272934272935$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 4,4'-DDD | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.5 | 1 |
| 4,4'-DDE | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| 4,4'-DDT | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.37 | 1 |
| Aldrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| alpha-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.94 | 1 |
| beta-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Chlordane | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2 | 1 |
| delta-BHC | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Dieldrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.16 | 1 |
| Endosulfan I | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.22 | 1 |
| Endosulfan II | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.28 | 1 |
| Endosulfan sulfate | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Endrin | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Endrin aldehyde | U | $11 / 14 / 2008$ | $111 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.35 | 1 |
| gamma-BHC (Lindane) | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.2 | 1 |
| Heptachlor | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Heptachlor epoxide | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.15 | 1 |
| Methoxychlor | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 0.26 | 1 |
| Toxaphene | U | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 33 | 1 |
| 2,4,5,6-tetrachloro-m-xylene(SUR | 81.1 | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(35-135)$ | 1 |
| Decachiorobiphenyl(SURR) (S) | 96.5 | $11 / 14 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(25-143)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272935 |  | Matrix <br> SPIKE <br> \% REC | SQ <br> \%REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  |  |  |
| 4,4'-DDD | $\mathrm{ug} / \mathrm{Kg}$ | 33.3 | 32.1 | 96.4 | (73-149) |  |  |
| 4,4'-DDE | ug/Kg | 33.3 | 32.2 | 96.7 | (59-163) |  |  |
| 4,4'-DDT | ug/Kg | 33.3 | 32.7 | 98.2 | (69-152) |  |  |
| Aldrin | ug/Kg | 33.3 | 29.7 | 89.2 | (65-133) |  |  |
| alpha-BHC | ug/Kg | 33.3 | 28.8 | 86.5 | (64-134) |  |  |
| beta-BHC | ug/Kg | 33.3 | 31.5 | 94.6 | (71-132) |  |  |
| delta-BHC | ug/Kg | 33.3 | 31.3 | 94 | (61-132) |  |  |
| Dieldrin | ug/Kg | 33.3 | 32.4 | 97.3 | (65-143) |  |  |
| Endosulfan I | ug/Kg | 33.3 | 31.8 | 95.5 | (67-132) |  |  |
| Endosulfan II | $\mathrm{ug} / \mathrm{Kg}$ | 33.3 | 31.3 | 94 | (70-142) |  |  |
| Endosulfan sulfate | $u g / \mathrm{Kg}$ | 33.3 | 32.8 | 98.5 | (70-138) |  |  |
| Endrin | ug/Kg | 33.3 | 32.2 | 96.7 | (67-154) |  |  |
| Endrin aldehyde | ug/Kg | 33.3 | 29.6 | 88.9 | (52-117) |  |  |
| gamma-BHC (Lindane) | $\mathrm{ug} / \mathrm{Kg}$ | 33.3 | 29.7 | 89.2 | (64-135) |  |  |
| Heptachlor | ug/Kg | 33.3 | 29.5 | 88.6 | (60-137) |  |  |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722
METHOD: 8081
LABORATORY CONTROL SAMPLE 272935 Matrix : SQ

| PARAMETER | UNITS | SPIKE <br> CONC | LCS <br> RESULT | SPIKE <br> \%REC | \%REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Heptachlor epoxide | $\mathrm{ug} / \mathrm{Kg}$ | 33.3 | 31.5 | 94.6 | $(66-128)$ |  |  |
| Methoxychlor | $\mathrm{ug} / \mathrm{Kg}$ | 33.3 | 33.8 | 102 | $(64-159)$ |  |  |
| 2,4,5,6-tetrachloro-m-xylene(SUR | $\mathrm{ug} / \mathrm{Kg}$ | 66.7 | 56.1 | 84.1 | $(35-135)$ |  |  |
| Decachlorobiphenyl(SURR) (S) | $\mathrm{ug} / \mathrm{Kg}$ | 66.7 | 61.5 | 92.2 | $(25-143)$ |  |  |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

|  | METHOD: 8141 |
| :--- | :--- | :--- | :--- |
| Method Blank 272540 | Matrix : SQ |

Associated Lab Samples : $\quad 251088502251088507251088512272540272541$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Azinphos methyl | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 32 | 1 |
| Demeton-o | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 12 | 1 |
| Demeton-s | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 15 | 1 |
| Diazinon | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 20 | 1 |
| Disulfoton | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 27 | 1 |
| Ethion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 33 | 1 |
| Malathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 14 | 1 |
| Methyl parathion | U | $11113 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 17 | 1 |
| Parathion | U | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 36 | 1 |
| TPP-Triphenyiphosphate(SURR) | 84.6 | $11 / 13 / 2008$ | $11 / 11 / 2008$ | $\%$ | $(60-130)$ | 1 |


| LABORATORY CONTROL SAMPLE |  | 272541 |  | Matrix : SQ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | $\begin{aligned} & \text { SPIKE } \\ & \text { \% REC } \end{aligned}$ | \%REC LIMITS | RPD | RPD LIMIT |
| Azinphos methyl | ug/Kg | 1610 | 1200 | 74.5 | (52-170) |  |  |
| Demeton-0 | ug/Kg | 507 | 430 | 84.8 | (64-155) |  |  |
| Demeton-s | ug/ Kg | 996 | 800 | 80.3 | (60-144) |  |  |
| Diazinon | ug/Kg | 1610 | 1400 | 87 | (12-176) |  |  |
| Disulfoton | ug/Kg | 1610 | 1300 | 80.7 | (59-143) |  |  |
| Ethion | ug/ Kg | 1610 | 1300 | 80.7 | (56-138) |  |  |
| Malathion | ug/Kg | 1610 | 1100 | 68.3 | (68-157) |  |  |
| Methyl parathion | ug/Kg | 1610 | 1500 | 93.2 | (60-180) |  |  |
| Parathion | ug/ $/ \mathrm{Kg}$ | 1610 | 1300 | 80.7 | (45-148) |  |  |
| TPP-Triphenylphosphate(SURR) | ug/Kg | 3230 | 2600 | 80.5 | (60-130) |  |  |

- CERTIFICATE OF ANALYSIS -


FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

Method Blank 272892
Associated Lab Samples : $\quad 251088502251088507251088512272892272893$

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-T | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| 2,4,5-TP (Silvex) | J 3 MU | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.3 | 1 |
| 2,4-D | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.3 | 1 |
| 2,4-DB | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.7 | 1 |
| Dalapon | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 3.5 | 1 |
| Dicamba | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.8 | 1 |
| Dichloroprop | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 1.6 | 1 |
| Dinoseb | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 2.1 | 1 |
| MCPA | U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 704 | 1 |
| MCPP | J 3 U | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\mathrm{ug} / \mathrm{Kg}$ | 536 | 1 |
| DCAA(SURR) (S) | 36.3 JI | $11 / 16 / 2008$ | $11 / 14 / 2008$ | $\%$ | $(42-108)$ | 1 |

LABORATORY CONTROL SAMPLE 272893 Matrix : SQ

|  |  | SPIKE | LCS | SPIKE | \%REC |  | RPD |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | CONC | RESULT | \%REC | LIMITS | RPD | LIMIT |


| 2,4,5-T | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 7.4 | 24.7 | $*(41-128)$ |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 2,4,5-TP (Silvex) | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 11.5 | 38.3 | $*(55-138)$ |  |
| 2,4-D | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 7.5 | 25 | $*$ | $(30-167)$ |
| 2,4-DB | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 21.7 | 72.3 | $(30-168)$ |  |
| Dalapon | $\mathrm{ug} / \mathrm{Kg}$ | 74.9 | 38.4 | 51.3 | $(30-129)$ |  |
| Dicamba | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 11.3 | 37.7 | $*(48-141)$ |  |
| Dichloroprop | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 10.6 | 35.3 | $*(42-156)$ |  |
| Dinoseb | $\mathrm{ug} / \mathrm{Kg}$ | 30 | 26.9 | 89.7 | $(47-123)$ |  |
| MCPA | $\mathrm{ug} / \mathrm{Kg}$ | 3000 | 709 | 23.6 | $(18-143)$ |  |
| MCPP | $\mathrm{ug} / \mathrm{Kg}$ | 3000 | 588 | 19.6 | $(24-155)$ |  |
| DCAA(SURR) (S) | $\mathrm{ug} / \mathrm{Kg}$ | 74.9 | 50.3 | 67.2 | $(42-108)$ |  |

# - CERTIFICATE OF ANALYSIS - 

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2510885
PROJECT ID: Albritton Property / 08-8722

Brian C. Spann | Ligitally signed by |
| :--- |
| Brian C. Spann |
| DN: c=US, cn=Brian |
| C. Spann |
| Date: 2008.11.18 |
| $14: 39: 37-05^{\prime} 00^{\prime}$ |

Mark Gudnason Quality Assurance Officer


|  |
| :--- | :--- |

## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2510885 |  | Req: | 1110 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Client: | Ardaman |  | Project: | Generic |  |
| Level: | 1 |  | Date Rec'd: | 11/8/2008 10: |  |
| Rec'd vla: | courier |  | Due Date: | 11/17/08 |  |
| Sample Verification |  |  |  |  |  |
| Samples/Cooler Secure? |  | Yes | All Samples on COC accounted For? |  | Yes |
| Temperature of Samples(Celsius) |  | 4 c | All Samples Rec'd Intact? |  | Yes |
| pH Verified? |  | No | Sample Vol. Stuff. For Analysls? |  | Yes |
| pH WNL? |  | No | Samples Rec'd Wh Hold Time? |  | Yes |
| Soil Origin (Domestic/Foreign): |  | Domestic | Are All Samples to be Analyzed? |  | Yes |
| SIte Location/Project on COC? |  | Yes | Correct Sample Contalners? |  | Yes |
| Client Project \# on COC? |  | Yes | COC Comments written on COC? |  | Yes |
| Project Mgr. Indicated on COC? |  | Yes | Samplers Inltials on COC? |  | Yes |
| COC rellnqulshed/Dated by Cllent? |  | Yes | Sample Date/TIme Indicated? |  | Yes |
| COC Recelved/Dated by PEL? |  | Yes | TAT Requested: |  | STD |
| Specific Subcontract Indicated? |  | No | Client Requests Verbal Results? |  | No |
| Samples Received By |  | courier | Cllent Requests Faxed Results? |  | No |
| PEL to Conduct ALL Analyses? |  | Yes |  |  |  |

(
PEL Laboratories, Inc.


1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set-fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LLABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PEL'S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF CLIENT'S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PEL'S LIABILITY TO $\$ 250,000.00$ OR THE AMOUNT OF PEL'S FEE, WHICHEVER IS THE LESS, BY AGREEING TO PAY PEL A SUM EQUIVALENT TO AN ADDITIONAL $8 \%$ OF THE TOTAL FEE TO BE CHARGED FOR PEL'S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILTTY INVOLVED. IN ANY EVENT, ATTORNEY'S FEES AND COSTS EXPENDED BY PEL IN CONNECTION WITH ANY CLAMM SHALL REDUCE THE AMOUNT AVALLABLE TO CLIENT, AND ONLY ONE SUCH AMOUNT WLLL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR THE NUMBER OF PROJECTS FOR THAT CLIENT.

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PEL, ARISING FROM OR RELATED TO PEL'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PEL'S WORK HEREUNDER.
5. INDEMNITY: In the event that Client or any third party claiming through Client shall bring any suit, cause of action, claim or counterclaim against PEL, the party initiating such action shall pay to PEL the costs and expenses incurred by PEL to investigate, answer and defend it, including reasonable attorney's fees and costs and witness fees and court costs to the extent that PEL shall prevail in such suits.
6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handing or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these Gencral Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shail not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

## Chain of Custody Record Record/Work Request

8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com

PEL Laboratories, Inc.


1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
2. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens or samples will be disposed of 30 day after receipt by PEL.
3. PAYMENT: Client shall be invoiced upon completion of the work or as otherwise agreed to in writing. Client agrees to pay each invoice within thirty (30) day of invoice to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PEL's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees and costs. Client further agrees that the proper venue for any action herein is the Circuit Court, Hillsborough County, Florida and hereby submits to the jurisdiction of such court. PEL shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PEL waives any rights to a mechanics' lien, or any provision conditioning PEL's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PEL shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PEL from any and all claims, which Client may have, whetherknown or unknown at the time, based in whole or in part, on the provision of services hereunder.
4. WARRANTY: PEL'S SERVICES WILL BE PERFORMED, AND ITS REPORTS PREPARED IN ACCORDANCE WITH THE CHAIN OF CUSTODY/WORK REQUEST, CLIENT'S ACCEPTANCE THEREOF, THESE GENERAL CONDITIONS, AND WITH GENERALLY ACCEPTED PRINCIPLES AND PRACTICES IN THIS INDUSTRY. IN PERFORMING ITS PROFESSIONAL SERVICES, PEL WILL USE THAT DEGREE OF CARE AND SKILL ORDINARILY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY MEMBERS OF ITS PROFESSION. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EITHER EXPRESS OR IMPLIED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PEL EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES CONCERNING THE SERVICES TO BE RENDERED BY PEL, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PEL BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHER LEGAL THEORY, WHETHER IN TORT OR CONTRACT, EVEN IF PEL HAS BEEN ADVISED OF THE LIKELIHOOD OF SUCH DAMAGES OCCURING, INCLUDING, WITHOUT LIMITATION, DAMAGES FROM INTERRUPTION OF BUSINESS, LOSS OF PROFIT OR BUSINESS OPPORTUNITITES, OR LOSSES CAUSED BY DELAY.

SHOULD A COURT OF COMPETENT JURISDICTION HOLD PEL LIABLE FOR ANY DAMAGES BASED UPON THE PERFORMANCE OF SERVICES HEREUNDER CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON PEL'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PEL, ITS OFFICERS, EMPLOYEES AND AGENT SHALL BE LIMITED TO $\$ 25,000.00$ OR THE TOTAL AMOUNT OF THE FEE PAID TO PEL FOR ITS WORK PERFORMED WITH RESPECT TO THE PROJECT, WHICHEVER AMOUNT IS LESS. ONLY ONE SUCH AMOUNT WILL APPLY TO ANY CLIENT, REGARDLESS OF THE AMOUNT OF WORK OR NUMBER OF PROJECTS FOR THAT CLIENT.

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6. TERMINATION: This Agreement may be terminated by either party upon one days prior written notice. In the event of termination, Client shall compensate PEL for all services performed up to and including the termination date, including analysis, sample preparation, shipping and other handling or reimbursable expenses.
7. EMPLOYEES/WITNESS FEES: PEL's employees shall not be retained as expert witnesses except by separate, written agreement signed by PEL. Client agrees not to hire PEL's employees except through PEL. In the event Client hires a PEL employee, Client shall pay PEL an amount equal to one-half of the employee's annualized salary, , without PEL waiving other remedies it may have against Client and/or employee.
8. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.
9. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties, or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.
10. FORCE MAJEURE: Neither party shall be liable or be deemed to be in default for any delay or failure to perform under this Agreement resulting, directly or indirectly, from any Act of God or any other cause reasonably beyond such party's control.
11. GOVERNING LAW: This agreement shall be governed by and construed in accordance with the law of the State of Florida.
12. RELATIONSHIP: This Agreement does not constitute and shall not be deemed to constitute a Partnership between the parties hereto, and neither party shall be deemed to be the agent of the other, or have authority to bind, obligate or contract for or on behalf of the other.

Chain of Custody Record
Record/Work Request

> 8405 Benjamin Rd, Suite A Tampa, FL 33634
> Phone: $813-888-9507$
> E-Mail: login@pelab.com


1. PARTIES AND SCOPE OF WORK: PEL Laboratories, Inc., (hereinafter referred to as "PEL") shall include said company or its particular division, subsidiary or a Florida Corporation affiliate performing the work. "Work" means the specific analytical testing or other service to be performed by PEL as set- fourth on the chain -ofcustody, Clients acceptance thereof, and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PEL. "Project" refers to analytical testing or other services performed by PEL for a geographical location identified on the chain-of-custody. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. PEL may rely on the person ordering the work as the authorized agent of Client. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PEL work, all of whom shall be bound by these General Conditions. PEL shall have no duty or obligation to any third party, and these shall not be third party beneficiaries of this contract. The ordering of work from PEL, or the reliance on any of PEL's work, shall constitute acceptance of these General Conditions, regardless of the terms of any subsequently issued document.
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Florida Department of Health \#E84207 June 30, 2009

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: 12/04/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA
PROJECT ID: Knights Trail Landfill

WORK ORDER: 2511088
DATE RECEIVED: Tuesday, November 25, 2008
@@@@@@ Subcontracted to lab certification \# 87600/E87936
$(\dagger)$ : Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.
PEL Contact: Mark Gudnason / extension: 242

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.

Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.

The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

[^6]
## CASE NARRATIVE <br> Outside Laboratory Tests

PEL Lab Reference No./SDG: 2511088

Methods: 6010,

## I. HOLDING TIMES

A. Sample Preparation:

All holding times were met.
B. Sample Analysis:

All holding times were met.

## II. ANALYSIS

A. Blanks:

All acceptance criteria were met with the exception of:
6010:
Blank $8120070-$ BLK1 was analyzed with the soil samples extracted on $12 / 03 / 08$. The following analyte(s) were detected below RL: Iron at $2.7 \mathrm{MG} / \mathrm{KG}$.
Blank 8120072-BLK1 was analyzed with the soil samples extracted on 12/03/08. The following analyte(s) were detected below RL: Iron at $1.88 \mathrm{MG} / \mathrm{KG}$.
B. Surrogates:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met
2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.
D. Samples:

Sample analysis proceeded normally.

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : SA88082-01
Client ID: SS-2-3' R
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 1.17 I | 12/04/2008 12:27 | 12/03/2008 0:00 | MG/KG | 0.577 | 1.73 | 1 |
| Iron | 6010 | @@@@@@ | 1770 | 12/04/2008 12:27 | 12/03/2008 0:00 | MG/KG | 1.3 | 4.62 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-02
Client ID : SS-7-4' R
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

|  |  |  |  |  | Analysis | Prep |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 3.18 | $12 / 04 / 2008$ | $12: 35$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.557 |
| Iron | 6010 | @@@@@@ | $\mathbf{4 4 6 0}$ | $12 / 04 / 2008$ | $12: 35$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.26 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: 11/21/2008 10:41:00 AM
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 3.06 | 12/04/2008 13:05 | 12/03/2008 0:00 | MG/KG | 0.557 | 1.67 | 1 |
| Iron | 6010 | @@@@@@ | 5130 | 12/04/2008 13:05 | 12/03/2008 0:00 | MG/KG | 1.26 | 4.46 | 1 |

## - CERTIFICATE OF ANALYSIS -

## FLDOH \#E84207

To: $\begin{array}{ll}\text { Chip Hoover } \\ \text { Ardaman \& Associates }\end{array}$
PEL Lab\# : SA88082-04
Client ID : SS-7-4DSW
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| enic | 6010 | @@@@@@ | 3.04 | 12/04/2008 13:12 | 12/03/2008 0:00 | MG/KG | 0.586 | 1.76 | 1 |
|  | 6010 | @@@@@@ | 4790 | 12/04/2008 13:12 | 12/03/2008 0:00 | MG/KG | 1.32 | 4.69 | 1 |

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

PEL Lab\# : SA88082-05
Client ID : SS-7-4DSE
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 2.13 | 12/04/2008 13:19 | 12/03/2008 0:00 | MG/KG | 0.544 | 1.63 | 1 |
| Iron | 6010 | @@@@@@ | 2840 | 12/04/2008 13:19 | 12/03/2008 0:00 | MG/KG | 1.23 | 4.35 | 1 |

$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$

PEL Lab\# : SA88082-06
Client ID : SS-9-3' R
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 0.856 I | 12/04/2008 13:27 | 12/03/2008 0:00 | MG/KG | 0.522 | 1.57 | 1 |
| ron | 6010 | @@@@@@ | 1890 | 12/04/2008 13:27 | 12/03/2008 0:00 | MG/KG | 1.18 | 4.18 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill
Collection Information:
Sample Date: $\quad 11 / 21 / 2008$ 11:22:00 AM
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 0.849 I | 12/04/2008 13:34 | 12/03/20080:00 | MG/KG | 0.602 | 1.81 | 1 |
| Iron | 6010 | @@@@@@ | 3080 | 12/04/2008 13:34 | 12/03/2008 0:00 | MG/KG | 1.36 | 4.82 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-08
Client ID : SS-9-4DN
Matrix : SOIL

|  |  |  |  |  | Analysis | Prep | Dilution |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |  |  |
| Arsenic | 6010 | @@@@@@ | 0.553 U | $12 / 04 / 2008$ | $13: 42$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.553 | 1.66 | 1 |
| Iron | 6010 | @@@@@@ | 2120 | $12 / 04 / 2008$ | $13: 42$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.25 | 4.42 | 1 |

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill
Collection Information:
Sample Date: 11/21/2008 11:41:00 AM
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 3.83 | 12/03/2008 21:54 | 12/03/2008 0:00 | MG/KG | 0.612 | 1.83 | 1 |
| Iron | 6010 | @@@@@@ | 9490 | 12/03/2008 21:54 | 12/03/2008 0:00 | MG/KG | 1.38 | 4.89 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-10
Client ID : SS-9-4DSW
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 5.51 | 12/03/2008 22:09 | 12/03/2008 0:00 | MG/KG | 0.552 | 1.66 | 1 |
| Iron | 6010 | @@@@@@ | 5810 | 12/03/2008 22:09 | 12/03/2008 0:00 | MG/KG | 1.25 | 4.42 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill
Collection Information:
Sample Date: $\quad 11 / 21 / 2008$ 12:05:00 PM

Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 6.22 | 12/03/2008 22:41 | 12/03/2008 0:00 | MG/KG | 0.567 | 1.7 | 1 |
| Iron | 6010 | @@@@@@ | 11300 | 12/03/2008 22:41 | 12/03/2008 0:00 | MG/KG | 1.28 | 4.53 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Client ID : SS-13-4'R
Sample Date: 11/21/2008
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 0.547 U | 12/03/2008 22:48 | 12/03/2008 0:00 | MG/KG | 0.547 | 1.64 | 1 |
| Iron | 6010 | @@@@@@ | 1050 | 12/03/2008 22:48 | 12/03/2008 0:00 | MG/KG | 1.24 | 4.38 | 1 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : SA88082-13
Client ID : SS-13-4DN
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: $\quad 11 / 21 / 2008$ 12:33:00 PM

| Method |  | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | @@@@@@ | 0.672 I | 12/03/2008 23:18 | 12/03/2008 0:00 | MG/KG | 0.537 | 1.61 | 1 |
| 6010 | @@@@@@ | 696 | 12/03/2008 23:18 | 12/03/2008 0:00 | MG/KG | 1.21 | 4.3 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-14
Client ID : SS-13-4DSE
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: $\quad 11 / 21 / 2008$ 12:34:00 PM

| Method |  | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | @@@@@@ | 0.936 I | $12 / 03 / 200823: 26$ | $12 / 03 / 20080: 00$ | MG/KG | 0.56 | 1.68 | 1 |
| 6010 | @@@@@@ | 5430 | $12 / 03 / 2008$ | $23: 26$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.27 |

## To: Chip Hoover

Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

PEL Lab\# : SA88082-15
Client ID : SS-13-4DSW
Matrix : SOIL

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL |
| Factor |  |  |  |  |  |  |  |  |
| Arsenic | 6010 | @@@@@@ | 6.88 | $12 / 03 / 2008$ | $23: 33$ | 12/03/2008 $0: 00$ | MG/KG | 0.598 |
| Iron | 6010 | @@@@@@ | 6120 | $1203 / 2008$ | $23: 33$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG |
|  |  |  | 1.35 | 4.79 | 1 |  |  |  |

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

PEL Lab\# : SA88082-16
Client ID : SS-21-2R
Matrix : SOIL

## Collection Information:

Sample Date: 11/21/2008 12:50:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 2.74 I | $12 / 03 / 2008$ | $23: 41$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.08 |
| Iron | 6010 | @@@@@@ | 3240 | $12 / 03 / 2008$ | $23: 41$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 2.43 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

PEL Lab\# : SA88082-17
Client ID : SS-21-4R
Matrix : SOIL

## Collection Information:

Sample Date: $\quad 11 / 21 / 200812: 52: 00 \mathrm{PM}$

| Method |  | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | @@@@@@ | 1.36 l | 12/03/2008 23:49 | 12/03/2008 0:00 | MG/KG | 0.581 | 1.74 | 1 |
| 6010 | @@@@@@ | 5190 | 12/03/2008 23:49 | 12/03/2008 0:00 | MG/KG | 1.31 | 4.65 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-18
Client ID: SS-21-2DN
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: $11 / 21 / 200812: 58: 00 \mathrm{PM}$

| Method |  | Results | Analysis <br> Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010 | @@@@@@ | 2.35 I | $12 / 03 / 200823: 57$ | $12 / 03 / 20080: 00$ | MG/KG | 1.31 | 3.92 | 1 |
| 6010 | @@@@@ | 1130 | $12 / 03 / 200823: 57$ | $12 / 03 / 20080: 00$ | MG/KG | 2.95 | 10.5 | 1 |

## To: Chip Hoover

Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill
PEL Lab\# : SA88082-19
Client ID : SS-21-2DSE
Collection Information:
Sample Date: 11/21/2008 1:03:00 PM
Matrix : SOIL

|  |  |  | Analysis | Prep |  |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 1.23 I | $12 / 04 / 2008$ | $0: 04$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.58 |
| Iron | 6010 | @@@@@@ | 5650 | $12 / 04 / 2008$ | $0: 04$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.31 |
|  |  |  |  |  |  |  | 1.64 | 1 |  |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-20
Client ID : SS-21-2DSW
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: 11/21/2008 1:06:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL |
| Factor |  |  |  |  |  |  |  |  |
| Arsenic | 6010 | @@@@@@ | 2.23 | 1 | $12 / 04 / 2008$ | $0: 12$ | $12 / 03 / 2008$ | $0: 00$ |
| MG/KG | 1.02 | 3.07 | 1 |  |  |  |  |  |
| Iron | 6010 | @@@@@@ | 972 | $12 / 04 / 2008$ | $0: 12$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG |

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

PEL Lab\# : SA88082-21
Client ID : $\quad$ SS-23-4' R
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 0.681 I | 12/04/2008 0:19 | 12/03/2008 0:00 | MG/KG | 0.549 | 1.65 | 1 |
| Iron | 6010 | @@@@@@ | 2280 | 12/04/2008 0:19 | 12/03/2008 0:00 | MG/KG | 1.24 | 4.39 | 1 |

## - CERTIFICATE OF ANALYSIS -

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

## PEL Lab\# : SA88082-22

Client ID : SS-23-4DN
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: $\quad 11 / 21 / 2008$ 1:34:00 PM

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| senic | 6010 | @@@@@@ | 0.544 U | 12/04/2008 11:55 | 12/03/2008 0:00 | MG/KG | 0.544 | 1.63 | 1 |
|  | 6010 | @@@@@@ | 2010 | 12/04/2008 11:55 | 12/03/2008 0:00 | MG/KG | 1.23 | 4.36 | 1 |

To: Chip Hoover Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill
Collection Information:
Sample Date: 11/21/2008 1:40:00 PM
Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 0.75 I | 12/04/2008 12:03 | 12/03/2008 0:00 | MG/KG | 0.568 | 1.7 | 1 |
| Iron | 6010 | @@@@@@ | 2720 | 12/04/2008 12:03 | 12/03/2008 0:00 | MG/KG | 1.28 | 4.54 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

PEL Lab\# : SA88082-24
Client ID : SS-23-4DSW
Matrix : SOIL

## Collection Information:

Sample Date: $\quad 11 / 21 / 20081: 45: 00 \mathrm{PM}$

|  |  |  |  |  |  | Analysis | Prep | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 5.51 | $12 / 04 / 2008$ | $1: 04$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.542 |
| Iron | 6010 | @@@@@@ | 4770 | $12 / 04 / 2008$ | $1: 04$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.23 |

## To: Chip Hoover

Ardaman \& Associates

PEL Lab\# : SA88082-25
Client ID : M-1
WORK ORDER: 2511088

Matrix : SOIL

| Parameter | Method |  | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 | @@@@@@ | 1.97 | 12/04/2008 1:12 | 12/03/2008 0:00 | MG/KG | 0.612 | 1.84 | 1 |
| Iron | 6010 | @@@@@@ | 6380 | 12/04/2008 1:12 | 12/03/2008 0:00 | MG/KG | 1.38 | 4.89 | 1 |

To: Chip Hoover
Ardaman \& Associates

## PEL Lab\# : SA88082-26

Client ID : M-2
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: $\quad 11 / 21 / 2008$ 2:34:00 PM

|  |  |  | Analysis | Prep |  | Dilution |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 0.928 I | $12 / 04 / 2008$ | $1: 20$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.668 |
| Iron | 6010 | @@@@@@ | 4910 | $12 / 04 / 2008$ | $1: 20$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.51 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## Collection Information:

Sample Date: $\quad 11 / 21 / 2008$ 2:46:00 PM

Matrix : SOIL

|  |  |  | Analysis | Prep |  |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 1.02 I | $12 / 04 / 2008$ | $1: 28$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.572 |
| Iron | 6010 | @@@@@@ | 4310 | $12 / 04 / 2008$ | $1: 28$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.29 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : SA88082-28
Client ID : M-4
Matrix : SOIL

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

|  |  |  |  |  |  |  |  |  | Analysis |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method |  | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 | @@@@@@ | 0.694 U | $12 / 04 / 2008$ | $1: 36$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 0.694 |
| Iron | 6010 | @@@@@@ | 5700 | $12 / 04 / 2008$ | $1: 36$ | $12 / 03 / 2008$ | $0: 00$ | MG/KG | 1.57 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

## QC SUMMARY

METHOD: 6010

Method Blank 8120070-BLK1 Matrix : SQ
Associated Lab Samples : $\quad 8120070-B L K 18120070-S R M 18120070-S R M 2$ SA88082-01 SA88082-02 SA88082-03 SA88082-04 SA88082-05 SA88082-06 SA88082-07 SA88082-08

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $12 / 4 / 2008$ | $12 / 3 / 2008$ | MG/KG | 0.454 | 1 |
| Iron | 2.7 | $12 / 4 / 2008$ | $12 / 3 / 2008$ | MG/KG | 3.63 | 1 |

Method Blank 8120072-BLK1
Matrix : SQ
Associated Lab Samples: $\quad 8120072-B L K 18120072-S R M 18120072-$ SRM2 SA88082-09 SA88082-10 SA88082-11 SA88082-12 SA88082-13 SA88082-14 SA88082-15 SA88082-16 SA88082-17 SA88082-18 SA88082-19 SA88082-20 SA88082-21 SA88082 22 SA88082-23 SA88082-24 SA88082-25 SA88082-26 SA88082-27 SA88082-28

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $12 / 3 / 2008$ | $12 / 3 / 2008$ | MG/KG | 0.425 | 1 |
| Iron | 1.88 I | $12 / 3 / 2008$ | $12 / 3 / 2008$ | MG/KG | 3.4 | 1 |

LABORATORY CONTROL SAMPLE 8120070-SRM1 Matrix : SQ

| PARAMETER | UNITS | SPIKE <br> CONC | LCS <br> RESULT | SPIKE <br> \%REC | \%REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | MG/KG | 62.7 | 59.2 | 94 | $(82.9-117.1)$ |  |  |
| Iron | MG/KG | 8970 | 8520 | 95 | $(50.5-149.4)$ |  |  |




To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511088
PROJECT ID: Knights Trail Landfill

<br><br><br>Digitally signed by Brian C . Spann $\mathrm{DN}: \mathrm{CN}=$ Brian C. Spann, $\mathrm{C}=\mathrm{US}, \mathrm{O}=$ PEL Laboratory Date: 2008.12.04 $19: 43: 49-05^{\prime} 00^{\prime}$<br><br><br><br>Brian C. Spann Laboratory Manager<br>or<br>Mark Gudnason Quality Assurance Officer

(1010000,1000109,100110


Chain of Custody Record Record/Work Request

8405 Benjamin Rd, Suite A Tampa, FL 33634 Phone: 813-888-9507 E-Mail: login@pelab.com 2511088 KC

DEP Form \#: 62-770.900(2) Form Title: Chain of Custody Record Effective Date: September 23. 1997 FDEP Facility No. Project Name: Sampling CompQAP No: Approval Date: REQUESTED DUE DATE 12 实 08 Remarks 4
Lab. No.

|  |  |
| :--- | :--- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Date



8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com
PEL Laboratories, Inc.



## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: | 2511088 |  | Req: 1110 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Client: | Ardaman |  | Project: Generic |  |  |
| Level: | 1 |  | Date Rec'd: 11/25/2008 8:00:00 AM |  |  |
| Rec'd via: | courier |  | Due Date: 12/4/08 |  |  |
| Sample Verification |  |  |  |  |  |
| Samples/Cooler Secure? |  | Yes | All Samples on COC accounted For? |  | Yes |
| Temperature of Samples(Celsius) |  | 14.0 C | All Samples Rec'd Intact? |  | Yes |
| pH Verified? |  | No | Sample Vol. Stuff. For Analysis? |  | Yes |
| PH WNL? |  | No | Samples Rec'd W $/$ Hold Tlme? |  | Yes |
| Soll Origin (Domestic/Forelgn): |  | Domestic | Are All Samples to be Analyzed? |  | Yes |
| Site Locatlon/Project on COC? |  | Yes | Correct Sample Containers? |  | Yes |
| Cllent Project \# on COC? |  | Yes | COC Comments written on COC? |  | Yes |
| Project Mgr. Indicated on COC? |  | Yes | Samplers Initlals on COC? |  | Yes |
| COC rellnquished/Dated by Client? |  | Yes | Sample Date/TIme Indicated? |  | Yes |
| COC Received/Dated by PEL? |  | Yes | TAT Requested: |  | STD |
| Specific Subcontract Indicated? |  | Yes | Client Requests Verbal Results? |  | No |
| Samples Received By |  | courier | Client Requests Faxed Results? |  | No |
| PEL to Conduct ALL Analyses? |  | No | Specific tests noted on COC |  |  |

PEER REVIEW


## APPENDIX Iil

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: 12/04/2008

To: Chip Hoover
Ardaman \& Associates

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

78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED:

Albritton Property / 08-8722
2511099
Monday, November 24, 2008

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M.The reported value did not meet the established quality control criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.
Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.
The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

# CASE NARRATIVE <br> SPLP_METALS 

PEL Lab Reference No./SDG: 2511099

## Client: Ardaman \& Associates

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Methods 1312 and 3010A

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE

SPLP_METALS

PEL Lab Reference No./SDG: 2511099

## Client: Ardaman \& Associates

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


## - CERTIFICATE OF ANALYSIS -

$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$

PEL Lab\# : 251109901
Client ID : SB-2-3
WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722
Collection Information:

Matrix : SO

Sample Date: $\quad 11 / 4 / 2008$ 12:09:00 PM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 14:27 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| ron | 6010 SPLP SPLP | 1.49 | 12/03/2008 14:27 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251109902
Client ID : SB-3-2
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 14:56 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 0.442 | 12/03/2008 14:56 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251109903
Client ID : SB-7-4
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00458 I | 12/03/2008 15:00 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.00331 | 0.01 | 1 |
| ron | 6010 SPLP SPLF | 0.489 | 12/03/2008 15:00 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

## To: Chip Hoover

Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251109904
Client ID : SB-8-4

Collection Information:
Sample Date: 11/4/2008 2:50:00 PM

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:04 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 1.53 | 12/03/2008 15:04 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251109905
Client ID : SB-9-3
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution <br> Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| rsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:09 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| on | 6010 SPLP SPLP | 2.27 | 12/03/2008 15:09 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: 11/5/2008 10:21:00 AM
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:13 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 2.22 | 12/03/2008 15:13 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

$\begin{array}{ll}\text { To: } & \text { Chip Hoover } \\ & \text { Ardaman \& Associates }\end{array}$

PEL Lab\# : 251109907
Client ID : SB-10-1
Matrix : SO

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:18 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| ron | 6010 SPLP SPLP | 0.89 | 12/03/2008 15:18 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover Ardaman \& Associates

## Client ID : SB-11-1

Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:22 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 0.827 | 12/03/2008 15:22 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: | Chip Hoover |  |
| :--- | :--- |
|  | Ardaman \& Associates |

Ardaman \& Associates
WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251109909
Client ID : SB-13-4
Collection Information:
Sample Date: 11/5/2008 1:38:00 PM
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| rsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:35 | 1202/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.00331 | 0.01 | 1 |
| ron | 6010 SPLP SPLF | 4.68 | 12/03/2008 15:35 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251109910
Client ID : SB-14-3
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00402 I | 12/03/2008 15:39 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 2.65 | 12/03/2008 15:39 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251109911
Client ID : SB-21-2
Matrix : SO

## Collection Information:

Sample Date: 11/6/2008 12:53:00 PM

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| rsenic | 6010 SPLP SPLP | 0.00416 I | 12/03/2008 15:43 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| ron | 6010 SPLP SPLF | 0.102 | 12/03/2008 15:43 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251109912
Client ID : SB-23-2
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00332 I | 12/03/2008 15:48 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 3.72 | 12/03/2008 15:48 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251109913
Client ID : SB-23-3
Matrix : SO

Collection Information:
Sample Date: 11/6/2008 1:46:00 PM

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| rsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:52 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.00331 | 0.01 | 1 |
| on | 6010 SPLP SPLP | 3.79 | 12/03/2008 15:52 | 12/02/2008 14:03 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 2:12:00 PM
Matrix : SO

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLP | 0.00331 U | 12/03/2008 15:56 | 12/02/2008 14:03 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLP | 0.233 | 12/03/2008 15:56 | 12/02/2008 14:03 | mg/L | 0.0055 | 0.05 | 1 |

Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

## METHOD: 6010 SPLP SPLP

Matrix : WQ
251109901251109902251109903251109904251109905251109906251109907251109908251109909 251109910251109911251109912251109913251109914274090274091274092

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $12 / 3 / 2008$ | $12 / 2 / 2008$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 | 1 |
| ron | 0.00762 I | $12 / 3 / 2008$ | $12 / 2 / 2008$ | $\mathrm{mg} / \mathrm{L}$ | 0.05 | 1 |



## To: Chip Hoover

Ardaman \& Associates

WORK ORDER: 2511099
PROJECT ID: Albritton Property / 08-8722
Brian C. Digitally signed by Brian C. Spann
DN: $c=U S, c n=$ Brian
C. Spann
Date: 2008.12.04
10:25:18-05'00' Spann ..... 10:25:18-05'00'
Brian C. Spann Laboratory Manager
or
Mark Gudnason Quality Assurance Officer


8405 Benjamin Rd，Suite A Tampa，FL 33634

Chain of Custody Record Record／Work Request

Andaman FMosoc．
Addres深

Phone：
Fax：
Print Names（s）／Affiliation
Markahs，Michel Egglastion


8405 Benjamin Rd, Suite A
Chain of Custody Record Record/Work Request
$\frac{10,10901800101180910}{\text { Laboratories, Inc. }}$


Chain of Custody Record Record/Work Request

Phone: 813-888-9507 E-Mail: login@pelab.com

PEL Laboratories, Inc.


8405 Benjamin Rd, Suite A
Chain of Custody Record Record/Work Request

PEL Laboratories, inc.


8405 Benjamin Rd, Suite A Tampa, FL 33634
Phone: 813-888-9507 E-Mail: login@pelab.com
10100001000101.1100110

PEL Laboratories, Inc.




8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com


## Kevin Crandall

From: Darcy Weisman
Sent: Monday, November 24, 2008 11:24 AM
To: Logln
Cc: Project Managers
Subject: FW: Albritton / sample times, holding times
Importance: High
Can you please find the samples requested and $\log$ in under a new SDG:

Thanks,
Darcy
Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
-----Original Message-----
From: Hoover, Chip [mailto:choover@ardaman.com]
Sent: Monday, November 24, 2008 9:09 AM
To: Darcy Weisman
Subject: RE: Albritton / sample times, holding times
Please run SPLP analysis for Fe and As for samples:
SS-2-3 refer to SDG 2510-838-08-
SS-3-2 refer to SDG 2510-838-12 -
SS-7-4 refer to SDG 2510-838-19 -
SS-8-4 refer to SDG 2510-838-29 -
SS-9-3 refer to SDG 2510-859-03 -
SS-9-4 refer to SDG 2510-859-04 -
SS-10-1 refer to SDG 2510-859-06
SS-11-1 refer to SDG 2510-859-11 -
SS-13-4 refer to SDG 2510-860-09 -
SS-14-3 refer to SDG 2510-860-13 -
SS-21-2 refer to SDG 2510-882-04 -
SS-23-2 refer to SDG 2510-882-14 -
SS-23-3 refer to SDG 2510-882-15 -
SS-24-1 refer to SDG 2510-882-18 -

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Thursday, November 20, 2008 8:51 AM
To: Darcy Weisman; Hoover, Chip
Subject: RE: Albritton / sample times, holding times
SDG 2510838 sample date was $11 / 4$
SDG 2510859 sample date was $11 / 5$
SDG 2510860 sample date was $11 / 5$
SDG 2510881 sample date was $11 / 6$
SDG 2510882 sample date was 11/6
SDG 2510883 sample date was $11 / 6$

SDG 2510884 sample date was 11/7
SDG 2510885 sample date was 11/7
The holdtime for SPLP metals is 180 days to prep.
The holdtime for SPLP 8081, 8141, 8151 is 14 days to prep (for soils).

Thanks,
Darcy
Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
------Original Message-----
From: Darcy Weisman
Sent: Thursday, November 20, 2008 8:40 AM
To: 'Hoover, Chip'
Subject: RE:
Looking into the dates now...give me a few minutes...

Thanks,
Darcy
Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
------Original Message----
From: Hoover, Chip [mailto:choover@ardaman.com]
Sent: Thursday, November 20, 2008 8:35 AM
To: Darcy Weisman
Subject:
Also on Albritton, I will want to run SPLP on the highest samples. What is hold time? The analysis has taken so long, I don't want to run over.

Chip Hoover, PE
Senior Project Engineer
Ardaman \& Associates, Inc
78 Sarasota Center Blvd..
Sarasota, FL 34240
Phone: 941-922-3526
Fax: 941-922-6743
choover@ardaman.com

## SAMPLE RECEIPT CONFIRMATION SHEET

## Client Information

| SDG: 2511099 | Req: 1110 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Client: Ardaman | Project: Generic |  |  |  |
| Level: 1 | Date Rec'd: 11/24/2008 11:24:00 AM |  |  |  |
| Rec'd via: |  | Due Date: | 12/03/08 |  |
| -- |  | - - .-. --. |  | -- |
| Sample Verification |  |  |  |  |
| Samples/Cooler Secure? | Yes | All Samples on COC accounted For? |  | Yees |
| Temperature of Samples(Celsius) |  | All Samples Rec'd Intact? |  | Yes |
| pH Verified? | No | Sample Vol. Stuff. For Analysis? |  | Yes |
| pH WNL? | No | Samples Rec'd W/ Hoid Time? |  | Yes |
| Soil Origin (Domestic/Foreign): | Domestic | Are All Samples to be Analyzed? |  | Yes |
| Site Location/Project on COC? | Yes | Correct Sample Containers? |  | Yes |
| Client Project \# on COC? | Yes | COC Comments written on COC? |  | Yes |
| Project Mgr. Indicated on COC? | 'Yes | Samplers Initials on COC? |  | Yes |
| COC relinquished/Dated by Client? | Yes | Sample Date/Time Indicated? |  | Yes |
| COC Received/Dated by PEL? | ${ }^{\text {Y }}$ Yes | TAT Requested: |  | STD |
| Specific Subcontract Indicated? | No | Cllent Requests Verbal Results? |  | No |
| Samples Received By | ; | Client Requests Faxed Results? |  | No |
| PEL to Conduct ALL Analyses? | Yes |  |  |  |

PEER REVIEW


Florida Department of Health \#E84207 June 30, 2009

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: 12/19/2008

To: Chip Hoover
Ardaman \& Associates
78 Sarasota Center Boulevard
Sarasota, FL 34240
USA

PROJECT ID:
WORK ORDER:
DATE RECEIVED:

Albritton Property / 08-8722
2511313
Friday, December 12, 2008

Project Notes:
( $\dagger$ ): Short Hold Time Analysis Date

Samples reported on dry weight basis
All test results in this report pertain only to the samples as submitted.
PEL Contact: Mark Gudnason / extension: 242

# PEL a division of Spectrum Analytical, Inc. featuring Hanibal Technology 

## DATA QUALIFIER CODES

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

The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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 exits for the component.
3.The reported value did not meet the established quality control criteria for either precision or accuracy but falls within the NELAC marginal exceedance range
3M. The reported value did not meet the established quality coritrol criteria for either precision or accuracy and falls beyond the NELAC range for marginal exceedances.
3R.The RPD for the LCSD exceeds the laboratory established control limits.
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).
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.
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.
Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

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.
The laboratory analysis was from an unpreserved or improperly preserved sample.
The data may not be accurate.

[^7]
## CASE NARRATIVE <br> SPLP_METALS

PEL Lab Reference No./SDG: 2511313

## Client: Ardaman \& Associates

## I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

## II. HOLDING TIMES

A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHOD

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Methods 1312 and 3010A

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE <br> SPLP_METALS

PEL Lab Reference No./SDG: 2511313
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE: 12/19/2008

## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2511313

## Client: Ardaman \& Associates

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.
II. HOLDING TIMES
A. Sample Preparation: All holding times were met.
B. Sample Analysis: All holding times were met.

## III. METHODS

Analyses were performed according to the PEL, a Division of Spectrum Analytical, Standard Operating Procedures and EPA Method 6010B for ICP metals.

## IV. PREPARATION

Samples were prepared according to PEL Laboratory's Standard Operating Procedures and EPA Methods 1311 and 3010A.

## V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
B. Blanks:

## 1. Calibration Blanks:

All acceptance criteria were met.
2. Method Blanks:

All acceptance criteria were met.
C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed. All percent recovery and relative percent difference (RPD) criteria were met.
2. Post Digestion Spike:

All acceptance criteria were met.
3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

## CASE NARRATIVE <br> METALS

PEL Lab Reference No./SDG: 2511313
Client: Ardaman \& Associates
D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)
E. Serial Dilution:

All acceptance criteria were met.
F. ICP Interference Check Samples:

All acceptance criteria were met.
G. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and PEL, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.


SIGNED:
DATE:_12/19/2008

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131301
Client ID : SS-6-1
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 15:14 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 1.77 | 12/19/2008 15:14 | 12/18/2008 8:14 | mg/L | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251131302
Client ID : SS-7-4
Matrix : $S$

|  |  |  |  |  |  | Analysis | Prep |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 TCLP TCLF | 0.0501 | $12 / 19 / 2008$ | $14: 37$ | $12 / 18 / 2008$ | $11: 02$ | $\mathrm{mg} / \mathrm{L}$ | 0.0331 |
| Iron | 6010 TCLP TCLF | 1.07 | $12 / 19 / 2008$ | $14: 37$ | $12 / 18 / 2008$ | $11: 02$ | $\mathrm{mg} / \mathrm{L}$ | 0.055 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131303
Client ID : SS-5-4
Matrix : $S$

## Collection Information:

Sample Date: $\quad 11 / 4 / 2008$ 1:20:00 PM

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | $12 / 19 / 2008$ | $15: 34$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 |
| Iron | 6010 SPLP SPLF | 0.188 | $12 / 19 / 2008$ | $15: 34$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.0055 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131304
Client ID : SS-9-4
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 TCLP TCLF | 0.0543 I | 12/19/2008 14:41 | 12/18/2008 11:02 | $\mathrm{mg} / \mathrm{L}$ | 0.0331 | 0.1 | 1 |
| Iron | 6010 TCLP TCLF | 33.9 | 12/19/2008 14:41 | 12/18/2008 11:02 | $\mathrm{mg} / \mathrm{L}$ | 0.055 | 0.5 | 1 |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131305
Client ID : SS-12-2
Matrix : S

|  |  |  | Analysis | Prep |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Dilution |
| Factor |  |  |  |  |  |  |  |  |

FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/5/2008 12:08:00 PM
Client ID : SS-4-1
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 15:42 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 2.24 | 12/19/2008 15:42 | 12/18/2008 8:14 | mg/ | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251131307
Client ID : SS-1-1
Matrix : $S$

|  |  |  |  |  |  | Analysis | Prep |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 SPLP SPLF | 0.00419 | $12 / 19 / 2008$ | $15: 56$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 |
| Iron | 6010 SPLP SPLF | 3.1 | $12 / 19 / 2008$ | $15: 56$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.0055 |

## - CERTIFICATE OF ANALYSIS -

## 

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

Collection Information:
Sample Date: $\quad 11 / 5 / 2008$ 2:42:00 PM
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00504 I | 12/19/2008 16:00 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 3.58 | 12/19/2008 16:00 | 12/18/2008 8:14 | mg/L | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131309
Client ID : SS-16-2
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:04 | 12/18/2008 8:14 | mg/ | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 2.89 | 12/19/2008 16:04 | 12/18/2008 8:14 | mg/L | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251131310
Client ID : SS-17-4
Matrix : S

|  |  |  | Analysis | Prep |  | Dilution |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | $12 / 19 / 2008$ | $16: 08$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 |
| Iron | 6010 SPLP SPLF | 1.44 | $12 / 19 / 2008$ | $16: 08$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.0055 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/6/2008 10:57:00 AM

Matrix : $S$

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 SPLP SPLF | 0.00354 | $12 / 19 / 2008$ | $16: 12$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 |
| Iron | 6010 SPLP SPLF | 1.13 | $12 / 19 / 2008$ | $16: 12$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.0055 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: 11/6/2008 11:29:00 AM
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:16 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 0.116 | 12/19/2008 16:16 | 12/18/2008 8:14 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

Collection Information:
Sample Date: 11/6/2008 12:05:00 PM

Client ID : SS-20-2
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:20 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 0.27 | 12/19/2008 16:20 | 12/18/2008 8:14 | $\mathrm{mg} / \mathrm{L}$ | 0.0055 | 0.05 | 1 |

- CERTIFICATE OF ANALYSIS -


To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722


## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

## WORK ORDER: 2511313

PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131315
Client ID : SS-25-3
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:28 | 12/18/2008 8:14 | mg/ | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 3.63 | 12/19/2008 16:28 | 12/18/2008 8:14 | mg/L | 0.0055 | 0.05 | 1 |

To: Chip Hoover Ardaman \& Associates

PEL Lab\# : 251131316
Client ID : SS-26-1
WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Matrix : S

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:32 | 12/18/2008 8:14 | mg/ | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 1.04 | 12/19/2008 16:32 | 12/18/2008 8:14 | mg/ | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

PEL Lab\# : 251131317
Client ID : SS-27-1
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:44 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 3.33 | 12/19/2008 16:44 | 12/18/2008 8:14 | mg/L | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722
Collection Information:
Sample Date: 11/7/2008 9:48:00 AM
Matrix : $S$

| Parameter | Method | Results | Analysis Date | Prep <br> Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:48 | 12/18/2008 8:14 | mg/ | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 0.588 | 12/19/2008 16:48 | 12/18/2008 8:14 | mg/ | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -



To: Chip Hoover
Ardaman \& Associates

PEL Lab\# : 251131319
Client ID : $\quad$ SS-29-2
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00483 I | 12/19/2008 16:52 | 12/18/2008 8:14 | mg/L | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 16.1 | 12/19/2008 16:52 | 12/18/2008 8:14 | mg/ | 0.0055 | 0.05 | 1 |

## - CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722
PEL Lab\# : 251131320
Client ID : SS-30-1
Collection Information:
Sample Date: 11/7/2008 11:02:00 AM
Matrix : S

| Parameter | Method | Results | Analysis Date | Prep Date | Units | MDL | RL | Dilution Factor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | 12/19/2008 16:56 | 12/18/2008 8:14 | mg/ | 0.00331 | 0.01 | 1 |
| Iron | 6010 SPLP SPLF | 1.9 | 12/19/2008 16:56 | 12/18/2008 8:14 | mg/ | 0.0055 | 0.05 | 1 |

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/7/2008 11:35:00 AM

Matrix : S

|  |  |  | Analysis | Prep |  |  | Dilution |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | $12 / 19 / 2008$ | $17: 00$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 |
| Iron | 6010 SPLP SPLF | 3.13 | $12 / 19 / 2008$ | $17: 00$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.0055 |
|  |  |  |  | 0.05 | 1 |  |  |  |

## - CERTIFICATE OF ANALYSIS - <br> FLDOH \#E84207

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## Collection Information:

Sample Date: 11/7/2008 11:56:00 AM
Matrix : $S$

|  |  |  |  |  |  |  | Analysis | Prep |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Method | Results | Date | Date | Units | MDL | RL | Factor |
| Arsenic | 6010 SPLP SPLF | 0.00331 U | $12 / 19 / 2008$ | $17: 04$ | $12 / 18 / 20088: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.00331 | 0.01 |
| Iron | 6010 SPLP SPLF | 0.381 | $12 / 19 / 2008$ | $17: 04$ | $12 / 18 / 2008$ | $8: 14$ | $\mathrm{mg} / \mathrm{L}$ | 0.0055 |

- CERTIFICATE OF ANALYSIS -

To: Chip Hoover
Ardaman \& Associates

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## QC SUMMARY

## METHOD: 6010 SPLP SPLP

| Parameter | Results | Analysis | Prep |  | Dilution <br> Date | Date |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | Units $\quad$ RL | Factor |
| :--- |
| Arsenic |
| Iron |


| LABORATORY CONTROL SAMPLE |  | 275314 |  | Matrix : <br> SPIKE <br> \% REC | WQ <br> \% REC <br> LIMITS | RPD | RPD <br> LIMIT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ |  |  |  |  |
| Arsenic | $\mathrm{mg} / \mathrm{L}$ | 0.5 | 0.479 | 95.8 | (80-120) |  |  |
| Iron | $\mathrm{mg} / \mathrm{L}$ | 50 | 49.3 | 98.6 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 275 |  | Matrix : | WQ |  |  |
| PARAMETER | UNITS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Arsenic | mg/L | 0.5 | 0.469 | 93.8 | (80-120) | 2.1 | 20 |
| Iron | mg/L | 50 | 47.6 | 95.2 | (80-120) | 3.5 | 20 |

- CERTIFICATE OF ANALYSIS -

| To: | Chip Hoover |
| :--- | :--- |
|  | Ardaman \& Associates |

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

## METHOD: 6010 TCLP TCL

Method Blank 275239 Matrix : WQ
Associated Lab Samples : 251131302251131304275239275240275241275244

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | U | $12 / 19 / 2008$ | $12 / 18 / 2008$ | $\mathrm{mg} / \mathrm{L}$ | 0.0331 | 1 |
| Iron | U | $12 / 19 / 2008$ | $12 / 18 / 2008$ | $\mathrm{mg} / \mathrm{L}$ | 0.055 | 1 |
| Method Blank 275244 |  |  |  |  |  |  |
| Matrix : WQ |  |  |  |  |  |  |

Associated Lab Samples : 251131302251131304275239275240275241275244

| Parameter | Results | Analysis <br> Date | Prep <br> Date | Units | RL | Dilution <br> Factor |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Arsenic | $U$ | $12 / 19 / 2008$ | $12 / 18 / 2008$ | $\mathrm{mg} / \mathrm{L}$ | 0.0331 | 1 |
| Iron | $U$ | $12 / 19 / 2008$ | $12 / 18 / 2008$ | $\mathrm{mg} / \mathrm{L}$ | 0.055 | 1 |


| LABORATORY CONTROL SAMPLE |  | 275240 |  | Matrix : <br> SPIKE <br> \% REC | WQ <br> \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMTT } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PARAMETER | UNTTS | SPIKE CONC | LCs RESULT |  |  |  |  |
| Arsenic | mg / | 5 | 4.67 | 93.4 | (80-120) |  |  |
| Iron | mg / | 500 | 480 | 96 | (80-120) |  |  |
| LABORATORY CONTROL | SAMPLE | 275241 |  | Matrix : | WQ |  |  |
| PARAMETER | UNTTS | SPIKE CONC | $\begin{gathered} \text { LCS } \\ \text { RESULT } \end{gathered}$ | SPIKE <br> \% REC | \% REC <br> LIMITS | RPD | $\begin{gathered} \text { RPD } \\ \text { LIMIT } \end{gathered}$ |
| Arsenic | $\mathrm{mg} / \mathrm{L}$ | 5 | 5.04 | 100.8 | (80-120) | 7.6 | 20 |
| Iron | $\mathrm{mg} / \mathrm{L}$ | 500 | 494 | 98.8 | (80-120) | 2.9 | 20 |

To: Chip Hoover
Ardaman \& Associates
Mark
Gudnason
Validity

Mark Gudnason Quality Assurance Officer

Diglally signed
by Mark Gudnason DN: $\mathrm{cn}=$ Mark Gudnason, $\mathrm{c}=$ US
Date:
2008.12.22

WORK ORDER: 2511313
PROJECT ID: Albritton Property / 08-8722

19:39:32-05'00'








8405 Benjamin Rd, Suite A
Tampa, FL 33634
Phone: 813-888-9507
E-Mail: login@pelab.com Record/Work Request

2511313 KC 2510331 KG








## Kevin Crandall

| From: | Darcy Weisman |  |
| :--- | :--- | :--- |
| Sent: | Tuesday, December 16, 2008 11:02 AM | $25 \quad 11513$ |
| To: | Darcy Weisman; Logln |  |
| Cc: | Project Managers; Linda Lee Gates |  |
| Subject: | RE: Ardaman / additional ANA |  |
| Importance: | High |  |

These need to be logged in today (Due FRI, 12/19/08). If the TAT cannot be met, please let me know what can be done so I can let the client know.

Run SPLP analysis for Fe and As on:
SS 1-1 2510860-01-07
SS 4-1 2510859-21-06
SS 5-4 2510838-24-43
SS 6-1 2510838-01-O1
SS 12-2 2510859-17-05
SS 15-2 2510860-17-O8
SS 16-2 2510860-22-09
SS 17-4 2510881-04-10
SS 18-3 2510881-08-11
SS 19-2 2510881-12-12
SS 20-2 2510881-17.13
SS 22-4 2510882-11-14
SS 25-3 2510883-07-15
SS 26-1 2510883-10-16
SS 27-1 2510884-01-17
SS 28-1 2510884-06-18
SS 29-2 2510884-12-19
SS 30-1 2510884-16-20
SS 31-4 2510885-06-21
SS 32-1 2510885-08-22
Run TCLP for Fe and As on:
SS 9-4 2510859-04-04
SS 7-4 2510838-19-0 2

Thanks,
Darcy
Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
-----Original Message-----
From: Darcy Weisman
Sent: Tuesday, December 16, 2008 10:36 AM
To: Darcy Weisman; LogIn
Cc: Project Managers; Linda Lee Gates
Subject: RE: Ardaman / additional ANA
Importance: High

What SDG did this end up being assigned to?

Thanks,
Darcy
Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
-----Original Message-----
From: Darcy Weisman
Sent: Friday, December 12, 2008 12:28 PM
To: Login
Cc: Project Managers; Linda Lee Gates
Subject: FW: Ardaman / additional ANA
Importance: High
Can you locate these samples?

Thanks,
Darcy
Darcy Weisman
Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
-----Original Message-----
From: Hoover, Chip [mailto:choover@ardaman.com]
Sent: Friday, December 12, 2008 10:55 AM
To: Darcy Weisman
Subject: RE:
Well, after meeting with county:
Run SPLP analysis for Fe and As on:SS 1-1, 4-1, 5-4, 6-1, 12-2, 15-2, 16-2, 17-4, 18-3, 19-2, 20-2, $22-4,25-3,26-1,27-1,28-1,29-2,30-1,31-4,32-1$

Run TCLP for Fe and As on SS 9-4 and SS 7-4
I will be sending in 4 soils for 8081 on Monday. That will probably be it on this one.

From: Darcy Weisman [mailto:dweisman@PELAB.com]
Sent: Friday, December 12, 2008 9:59 AM
To: Hoover, Chip
Subject: RE;
Thanks. I will take care of the INVs...

Thanks,
Darcy

## Darcy Weisman

Project Manager, Tampa Division
direct: 813-476-2481
email: dweisman@pelab.com
-----Original Message-----
From: Hoover, Chip [mailto:choover@ardaman.com]
Sent: Friday, December 12, 2008 7:30 AM
To: Darcy Weisman
Subject:
Please reissue these invoices with Landfill prices. 2511088, 2511099 and 2511089. l'll know today hopefully if I have more sampling to do on this project.

Chip Hoover, PE
Senior Project Engineer
Ardaman \& Associates, Inc
78 Sarasota Center Blvd..
Sarasota, FL 34240
Phone: 941-922-3526
Fax: 941-922-6743
choover@ardannan.com


[^0]:    Project Notes:

[^1]:    RL - Reporing Limit. The PEL lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

[^2]:    RL - Reporing Limit. The PEL, lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

[^3]:    RL - Reporing Limit. The PEL lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

[^4]:    RL - Reporing Limit. The PEL lowest Practical Quanititation Limit (PQL), defiried by the lowest point in the calibration curve.

[^5]:    RL - Reporing Limit. The PEL lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

[^6]:    RL - Reporing Limit. The PEL lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

[^7]:    RL - Reporing Limit. The PEL. lowest Practical Quanititation Limit (PQL), defined by the lowest point in the calibration curve.

