FORMER CANINE KENNEL SITE GABRESKI AIRPORT WESTHAMPTON, NEW YORK SCP SITE ID: #1-52-079

# DRAFT INTERIM REMEDIAL MEASURE REPORT



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P.W. GROSSER CONSULTING INC. PROJECT NO. SHD1201

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FORMER CANINE KENNEL SITE GABRESKI AIRPORT, WESTHAMPTON BEACH, NEW YORK BCP SITE ID: #1-52-079

> SUBMITTED: JUNE 2013

PREPARED FOR: SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES OFFICE OF POLLUTION CONTROL 15 HORSEBLOCK PLACE FARMINGVILLE, NEW YORK 11738

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#### INTERIM REMEDIAL MEASURE REPORT FORMER CANINE KENNEL SITE, FRANCIS S. GABRESKI AIRPORT, WESTHAMPTON BEACH, NEW YORK BCP SITE ID: #1-52-079

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#### 1.0 INTRODUCTION

This interim remedial measure (IRM) report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of the Suffolk County Department of Health Services (SCDHS), for the Former Canine Kennel Site at Francis S. Gabreski Airport in Westhampton Beach, New York (Suffolk County Tax Map number 900-312-1-1). This property is owned by Suffolk County and managed by the Department of Economic Development and Workforce Housing.

This report documents the results of the IRM activities performed at the above referenced property. The scope of work was based upon the IRM Work Plan (March 2012), IRM Addendum (May 18, 2012), and the requirements of the Suffolk County Department of Health Services (SCDHS) and New York State Department of Environmental Conservation (NYSDEC) for the subject property. NYSDEC approved the IRM Work Plan in a letter dated July 13, 2012. IRM activities were performed under the NYSDEC Brownfield Cleanup Program (BCP).

This IRM is not intended to be the final remedy for the site, a remedial work plan with alternatives analysis will be prepared to document the selection of the final remedy.

### 1.1 Site Description

Francis S. Gabreski airport is located on County Road 31 in the Town of Southampton, New York and is owned by Suffolk County. The airport is located within the Long Island Pine Barrens which are characterized by open, sunlit woodlands dominated by pitch pine interspersed with white and scarlet oak. The nearby Quogue wildlife refuge is characterized by dwarf pitch pines ranging from 3 to 6 feet tall. The airport itself is characterized by surrounding wooded areas consisting of 25 foot pitch pines and scattered scrub oak. The airport has no commercially scheduled service, but does support private planes and presently is the home of the 106th Rescue Wing of the New York Air National Guard (NYANG).

The area of concern is a section of disturbed ground, approximately 1.0 acre in size and irregular in shape. The site is located in a remote portion of the airport, south of a former canine kennel and just east of a boat storage yard near the eastern property line of the airport. A Vicinity Map is included as **Figure 1**, and a site plan is included as **Figure 2**.

The property is currently zoned for light industrial use and is a portion of the Francis S. Gabreski Airport. The airport is located within the core preservation area of the central Pine Barrens. Since the Canine Kennel site is within the core Pine Barrens area, development is prohibited and the site will remain undeveloped.

#### 1.2 Site History

In 1943 the federal government built the airport for use as an Air Force base during World War II. After the war, it was given to Suffolk County. In 1951, the airport was reclaimed for the Korean War National Emergency. In 1960, the US Air Force leased the site for an Air Defense Command Base, which was deactivated in 1969, then released back to Suffolk County in 1970.



During deactivation activities (Spring 1970), the Suffolk County Air Base used the canine kennel area to bury inert wastes, such as office furniture. The site was also used for the disposal of polychlorinated biphenyl (PCB) containing electrical distribution equipment such as transformers and capacitors.

In March 1984, the NYSDEC discovered the site in response to a complaint from a local citizen's group. At that time, the NYSDEC observed several half-buried capacitors leaking PCB oil within a ten-foot deep pit. In May 1984, nine soil samples were collected for laboratory analysis. Eight contained the PCB Arcolor-1254 in concentrations up to 1,700 milligrams per kilogram (mg/kg).

In January 1986, a NYSDEC contractor noted that the pit was only half as deep as previously stated, and that the capacitors were no longer visible. The area showed signs of recent earthwork activities and was devoid of vegetation.

### 1.2.1 Remedial Investigation

In November 2008, PWGC performed a subsurface investigation at the former Canine Kennel site. The investigation consisted of a geophysical survey, soil and groundwater sampling, test pit excavations and the removal of identified capacitors suspected to contain PCBs.

Geophysical and test pit investigations confirmed that the area of disposal was limited to the western/central portion of the site adjacent to the fence line and boatyard.

Pesticides were not detected in the site soil samples. The PCB Aroclor-1254 was detected in soil samples ranging in depth from 0-2 inches below ground surface (bgs) to approximately 8.5 feet bgs. Fifty-nine soil samples had concentrations of Aroclor-1254 above the Residential Use Soil Cleanup Objective (RUSCO) of 1.0 mg/kg ranging from 1.1 to 86,000 mg/kg (directly underneath one of the removed capacitors). Surface soil samples showed the largest area of impact (across the western and central areas of the site). PCBs were also detected at concentrations greater than the RUSCO in surface soils within the unpaved eastern portion of the adjacent boatyard. Spread of PCBs within surface soils at the site was determined to likely be a result of physical processes, including localized surface runoff of PCB-contaminated soils from the on-site disposal area westward following the surface topography.

PCBs in the 2.0-2.5 feet depth samples were limited to the western central area of the site and coincide with the main area of existing debris and the former capacitor locations. Three isolated areas of impact at depths of 4.0 feet bgs or greater were also identified, two of which coincided with the main area of debris and the former capacitor locations. A third area was identified northeast of the capacitor locations. No pesticides were detected in soil samples collected at the site.

Based on the findings of the RI completed in November 2008, PWGC recommended that an IRM be implemented at the site to remove PCB impacted soils from the unpaved portion of the boatyard and former capacitor areas.



#### 2.0 INTERIM REMEDIAL MEASURE

PWGC performed remedial activities at the site from August 2012 through April 2013. The IRM was performed in accordance with PWGC's approved IRM Work Plan (IRMWP) and IRM Addendum for the site.

#### 2.1 Scope of Work

The scope of work for the IRM consisted of the removal of PCB impacted soils from the unpaved portion of the boatyard and former capacitor locations. Remedial activities were performed by Metro Environmental Contracting Corp. (Metro) of Lindenhurst, New York.

The scope of work as detailed in the IRMWP included:

- Additional soil sampling to further delineate the extent of PCB impact within the unpaved portion of the boatyard.
- Removal and disposal of PCB impacted soil from the unpaved portion of the boatyard. Removal and disposal of PCB impacted soils from former capacitor locations (i.e., the locations with the most elevated concentrations of PCBs).
- Collection of endpoint samples to confirm the effectiveness of remedial activities.
- Backfill of capacitor location excavations to prevent residual PCB impacted soils from being exposed to the environment.
- Installation of storm water control to prevent storm water runoff from entering the boatyard.

Photo documentation of IRM activities is included as **Appendix A**.

#### 2.2 Boatyard PCB Delineation

In order to further delineate PCB impacted soils, PWGC collected soil samples from throughout the unpaved portion of the boatyard. Delineation sampling was designed to determine excavation boundaries and depths for the IRM.

#### 2.2.1 Sample Collection

PWGC mobilized to the site on August 23, 2012 to perform delineation soil sampling. A total of twelve soil samples were collected from the boatyard. In accordance with the IRMWP, soil borings were installed manually, utilizing a properly decontaminated stainless steel hand-auger. Delineation soil sample locations are illustrated in **Figure 3**.

At each sample location, soil samples were collected continuously, in six inch intervals, to a depth of two feet below ground surface (bgs) (i.e. 0 to 6 inches, 6 to 12 inches, 12 to 18 inches, 18 to 24 inches), with the exception of locations DS001, DS002, and DS003. Due to prior surface sampling near these three locations during the RI, samples collected at locations DS001, DS002, and DS003 were collected from the 6 to 12 inch interval only.

Soil sampling and equipment decontamination was performed in accordance with the USEPA SOP #2001 General Field Sampling Guidelines, SOP #2012 Soil Sampling, and SOP #2006 Sampling Equipment



Decontamination.

### 2.2.2 Sample Analysis

Samples were collected in pre-cleaned, pre-preserved (where applicable), laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were shipped under proper chain-of-custody procedures via UPS to Chemtech Laboratory of Mountainside, New Jersey, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID: 11376). Samples were analyzed for the presence of PCBs by USEPA Method 8082.

Initially, the shallowest sample from each location was submitted to the laboratory for analysis; in the event that PCB concentrations exceeded the NYSDEC RUSCO of 1.0 part per million (ppm), the next deepest interval was submitted for analysis. Where necessary, this process was repeated with deeper samples until PCB concentrations were below 1.0 ppm.

Analytical services were performed in accordance with NYSDEC Analytical Services Protocol (ASP) with Category B deliverables (ASP-B). Laboratory analytical reports (results only) are included as **Appendix B**; full ASP-B reports are included on the enclosed CD-ROM.

### 2.2.3 Analytical Results

Delineation soil sample results were compared to the NYSDEC RUSCO of 1.0 ppm for PCBs. Delineation soil sample analytical data is summarized in **Table 1**.

Based on analytical data, Aroclor-1254 was detected at concentrations exceeding its NYSDEC RUSCO in three of the twelve samples submitted from the 0 to 6 inch interval (locations DS005, DS006, and DS008). Based on these results, samples collected from the 6 to 12 inch interval at these locations were analyzed. PCB concentrations in remaining delineation samples did not exceed the NYSDEC RUSCO of 1.0 ppm.

PCB concentrations in samples collected from the 6 to 12 inch interval from locations DS006 and DS008 were below their NYSCDEC RUSCO. Aroclor-1254 was detected at a concentration exceeding its NYSDEC RUSCO in the sample collected form the 6 to 12 inch interval at location DS005. Because PCB concentrations in the 6 to 12 inch sample at DS005 only slightly exceeded the RUSCO of 1.0 ppm, the 12 to 18 inch sample was not analyzed with additional soils to be removed as necessary during excavation activities.

#### 2.3 Boatyard Soil Removal

PWGC utilized the results of the RI and delineation soil sampling to determine the necessary excavation boundaries for removal of PCB impacted soils (illustrated in **Figure 3**). Based on sample data, PWGC determined that the initial excavation depth throughout the excavation area would be to 6 inches bgs, with the provision that additional (deeper) soils would be removed as necessary based on endpoint sampling results.

PWGC performed air monitoring for VOCs and particulates during excavation activities utilizing a PID and dust



monitor.

#### 2.3.1 Boatyard Soil Removal

PWGC and Metro mobilized to the site from November 6, 2012 through November 28, 2012 to implement IRM activities within the boatyard. Soils within the unpaved portion of the boatyard were excavated to a depth of 6 inches below existing grade. Following removal of soils to a depth of 6 inches bgs, endpoint samples were collected from 21 locations within the excavation area. Based on endpoint sample results (see Section 2.2.2), additional soil removal was performed in 8 foot by 8 foot area in the vicinity of endpoint samples EP001, EP007, EP008, EP018 and EP020. Additional excavation in these areas was to 12 inches bgs, with the exception of EP001, where the excavation extended to 18 inches bgs. A total of approximately 200 tons of soil were removed from the boatyard.

Upon removal, soils were temporarily stockpiled within the excavation area prior to transport (via dump truck) to a stockpile within the staging area. Soils within the staging area were stockpiled on 15 mil polyethylene sheeting; during non-work hours, the stockpile was covered with polyethylene sheeting and surrounded with silt fence to prevent storm water runoff from transporting impacted soils.

#### 2.3.2 Boatyard Endpoint Sample Collection

Following removal of impacted soils from the boatyard, 21 endpoint samples were collected throughout the excavation area to confirm the effectiveness of remedial activities. Endpoint samples were collected from a depth of 0 to 6 inches below the bottom of the initial excavation depth of six inches bgs (6 to 12 inches below pre-existing grade), utilizing a properly decontaminated stainless steel hand auger. Where necessary, additional endpoint samples were collected following removal of additional soils.

#### 2.3.3 Boatyard Endpoint Sample Analysis

Samples were collected in pre-cleaned, pre-preserved (where applicable), laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were shipped under proper chain-of-custody procedures via UPS to Chemtech Laboratory of Mountainside, New Jersey, a NYSDOH ELAP certified laboratory (ELAP ID: 11376). Samples were analyzed for the presence of PCBs by USEPA Method 8082.

Analytical services were performed in accordance with NYSDEC Analytical Services Protocol (ASP) with Category B deliverables (ASP-B). Laboratory analytical reports (results only) are included as **Appendix C**; full ASP-B reports are included on the enclosed CD-ROM.

#### 2.3.4 Boatyard Endpoint Analytical Results

Endpoint sampling results were compared to the NYSDEC RUSCO of 1.0 ppb for PCBs. Endpoint soil sample analytical data is summarized in **Table 2**.

PCB concentrations in initial endpoint samples collected from 6 to 12 inches bgs (0 to 6 inches below the excavation bottom) were below NYSDEC RUSCOs for each sample locations with the exception of locations



EP001, EP007, EP008, EP018 and EP020. At each of these locations, additional soils were removed to a depth of 12 inches bgs (locations EP007, EP008, EP018 and EP020) or 18 inches bgs (location EP001) and additional endpoint samples were collected. Following removal of additional soils, PCB concentrations in endpoint samples at locations EP001, EP007, EP008, EP018 and EP020 were below NYSDEC RUSCOs.

#### 2.4 Capacitor Location Soil Removal

The RI identified elevated concentration of PCBs in surface soils throughout the site. The highest PCB concentrations were detected in the immediate vicinity of three former capacitor locations (identified as locations CA-1, CA-2, and CA-3 in **Figure 3**). PCB concentrations in the former capacitor locations ranged from 1,300 ppm to 88,600 ppm. Based upon these findings, PWGC determined that soils at these locations would be excavated to one foot bgs.

PWGC performed air monitoring for VOCs and particulates during excavation activities utilizing a PID and dust monitor

### 2.4.1 Capacitor Soil Removal

PWGC and Metro mobilized to the site on November 6, 2012 to excavate and remove impacted soils from the three former capacitor areas (CA-1, CA-2 and CA-3). Utilizing a mini excavator, soils were removed to a depth of one foot bgs from a 10 foot by 10 foot area surrounding each of the former capacitor locations. A total of approximately 30 tons of soil were removed from the capacitor areas.

Upon removal, soils were loaded into a skid steer bucket and then transferred to a nearby dump truck for transport to a stockpile in the staging area. Polyethylene sheeting was placed on the ground under the skid steer bucket during soil transfer to prevent the spread of contamination. Soils within the staging area were stockpiled on 15 mil polyethylene sheeting; during non-work hours, the stockpile was covered with polyethylene sheeting and surrounded with silt fence to prevent storm water runoff from transporting impacted soils.

#### 2.4.2 Capacitor Endpoint Sample Collection

Following removal of impacted soils from the former capacitor areas, one endpoint sample was collected at a depth of 0 to 6 inches below the excavation depth of one foot bgs (12 to 18 inches below pre-existing grade) from the center of each excavation to confirm the effectiveness of remedial activities. Samples were collected utilizing a properly decontaminated stainless steel hand auger.

#### 2.4.3 Capacitor Endpoint Sample Analysis

Samples were collected in pre-cleaned, pre-preserved (where applicable), laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were shipped under proper chain-of-custody procedures via UPS to Chemtech Laboratory of Mountainside, New Jersey, a NYSDOH ELAP certified laboratory (ELAP ID: 11376). Samples were analyzed for the presence of PCBs by USEPA Method 8082.

Analytical services were performed in accordance with NYSDEC Analytical Services Protocol (ASP) with Category



B deliverables (ASP-B). Laboratory analytical reports (results only) are included as **Appendix C**; full ASP-B reports are included on the enclosed CD-ROM.

### 2.4.4 Capacitor Endpoint Analytical Results

Endpoint sampling results were compared to the site specific soil cleanup objective (SCO) of 1,000 ppm for PCBs, as specified in the approved IRM Work Plan. Endpoint soil sample analytical data is summarized in **Table 2**.

PCB concentrations in endpoint soil samples collected within excavation areas CA-1, CA-2, and CA-3 did not exceed the site specific SCO of 1,000 ppm. Endpoint samples collected from capacitor locations CA-2 and CA-3 were below the NYSDEC RUSCO of 1.0 ppm for PCBs, while the endpoint sample from capacitor location CA-1 only slightly exceeded the NYSDEC RUSCO (1.2 ppm).

### 2.5 Excavation Backfill

Boatyard and capacitor area excavations were backfilled to pre-existing grade with clean fill material, compacted, and capped with RCA.

A total of 210 cubic yards (yds<sup>3</sup>) of clean fill material was brought to the site from the Gallipoli property, located at Strongs Road, East Patchogue, New York and a total of 100 yds<sup>3</sup> of RCA was brought to the site from Con-Strux, LLC., of Lindenhurst, New York. Clean backfill and RCA was approved by the NYSDEC in emails dated January 7 and March 28, 2013.

NYSDEC backfill material approval e-mails are included as **Appendix D**; descriptions of the backfill and RCA and their sources are included as **Appendix E**.

#### 2.6 Storm Water Control Installation

Following the removal of impacted soils from the boatyard a one foot tall, earthen berm was installed along the eastern property boundary. The berm was installed to minimize overland storm water runoff from the former Canine Kennel site to the boatyard, and prevent transport of residual PCB impact from the former Canine Kennel site to the boatyard. The location of the berm is illustrated in **Figure 2**. The berm was installed using NYSDEC approved backfill material. The berm was capped with recycled concrete aggregate (RCA) and compacted.

NYSDEC backfill material approval e-mails are included as **Appendix D**; descriptions of the backfill and RCA and their sources are included as **Appendix E**.



#### 3.0 WASTE CHARACTERIZATION AND DISPOSAL

#### 3.1 Waste Characterization

Following excavation, PWGC collected waste characterization samples from the stockpiled soil in accordance with the disposal facility's requirements. Based on the generated waste volume, a total of four waste characterization samples were collected. Grab samples were collected for VOC analysis; four-point composite samples were collected for other parameters. Samples were collected directly from the soil stockpile in accordance with disposal facility sampling requirements.

Samples were collected in pre-cleaned, pre-preserved (where applicable), laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were shipped under proper chain-of-custody procedures via UPS to Chemtech Laboratory of Mountainside, New Jersey, a NYSDOH ELAP certified laboratory (ELAP ID: 11376). Based on disposal facility requirements, samples were analyzed for the following:

- VOCs by USEPA Method 8260
- SVOCs by USEPA Method 8270
- Total metals by USEPA Method 6010/7471
- PCBs by USEPA Method 8082.
- Hazardous waste characteristics (corrosivity, ignitability, reactivity)

Waste characterization sampling results were provided to the disposal facility for waste acceptance. Laboratory analytical reports for waste characterization samples are included as **Appendix F**.

#### 3.2 Waste Disposal

A total of 227.23 tons of hazardous soils were generated and disposed of during implementation of the IRM. Excavated soils were transported by a licensed waste hauler, and disposed of at CWM Chemical Services LLC in Model City, New York (USEPA ID: NYD049836679). Copies of waste manifests and disposal receipts are included as **Appendix G**.



#### 4.0 QUALITY ASSURANCE/QUALITY CONTROL

The overall quality assurance/quality control (QA/QC) objective for the field investigation was to develop and implement procedures that provide data of known and documented quality. QA/QC characteristics for data include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC activities developed for this site were to verify the integrity of the work performed and data collected is of the appropriate type and quality for the intended use.

#### 4.1 QA/QC Samples

To assess the adequacy of the sample collection and decontamination procedures performed in the field, QA/QC samples were collected and analyzed throughout the field sampling program. QA/QC samples included field blanks, blind duplicates, matrix spike (MS), and matrix spike duplicates (MSD). Types and frequencies of field QA/QC samples are listed below.

Туре	Frequency
Field Blank	One per day per matrix sampled
Blind Duplicate	One per 20 samples per matrix
Matrix Spike/Matrix Spike Duplicate	One per 20 samples per matrix

In general, QA/QC samples confirmed that the procedures performed in the field were consistent and acceptable. Targeted analytes were not detected above the laboratory MDL in field blank samples submitted for analysis, indicating that sample collection procedures and/or ambient conditions are unlikely to have impacted environmental samples collected from the site during implementation of the IRM.

#### 4.2 Data Usability and Validation

A Data Validation Report and a Data Usability Summary Report (DUSR) were prepared by Stone Environmental, Inc. (Stone) of Montpelier, Vermont. A copy of the DUSR (with the Data Validation Report included as an attachment) is included as **Appendix H**.

#### Data Validation

In accordance with the approved IRMWP, full data validation was performed on 10% of the data generated. Remaining data received a summary validation as detailed in the DUSR. The findings and recommendations of the Data Validation Report (included as Attachment C to the DUSR) are summarized as follows:

The result for AR1254 in EP019(6-12) was qualified as estimated (J) and the result for AR1254 in EP021(6-12) was qualified as tentatively identified and estimated (JN).

Results for AR1254 in EP001B(12-18), FieldDup002, and EP020(6-12) were rejected (R) due to detection of these compounds outside the linear range of the instrument. Results for this compound were replaced with the acceptable concentrations from the more diluted analysis of these samples (EP001B(12-18)DL, FieldDup002DL,



and EP020(6-12)DL).

Results for the Aroclor compounds except for AR1254 in the diluted analyses of EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL were rejected (R) because acceptable results for these compounds were taken from the original (less diluted) analysis of these samples.

The low standard concentration for these methods supports the LOQ reported value as recorded on Form I but does not support the laboratories' method detection limit concentration in the analytical sequence. Since the concentration reported with a "U" on all reports is not supported by the concentration of the low standard which provides precision and bias during these analyses for identification and quantitation, results for all non-detects in all samples have been qualified as estimated (UJ). The low standard of the calibration curve performed for these methods supports the limit of quantitation (LOQ) concentration on Form I and not the MDL concentration; therefore, sensitivity at the MFL could not be assessed based on the data package alone.

"E" qualifiers were appropriately applied by the laboratory to sample Form I results when concentrations of target analytes were greater than the instrument calibration range. "D" qualifiers were appropriately applied by the laboratory to positive results from Diluted sample analyses. The validator removed all laboratory "E" and "D" qualifiers.

#### <u>Data Usability</u>

The DUSR was prepared in accordance with USEPA Region II SOPs for validating 8082A PCB analyses and was based on a review of the laboratory SDG case narrative and full "Tier-III", third-party data validation report (detailed above). The findings and recommendations of the DUSR are summarized as follows:

Data represents adequate method accuracy and precision with regard to project objectives.

The completeness level attained for the analysis of the field samples was greater than 95%. For all data, the overall quality of the data was acceptable and all results as qualified are considered usable.



#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC implemented an IRM at the boatyard and former capacitor area locations on behalf of SCDHS at the Former Canine Kennel at Francis S. Gabreski Airport. The IRM was implemented in accordance with the IRM Work Plan (March 2012), IRM Addendum (May 18, 2012), and the requirements of the Suffolk County Department of Health Services (SCDHS) and New York State Department of Environmental Conservation (NYSDEC) for the subject property. IRM activities were performed under the NYSDEC Brownfield Cleanup Program (BCP).

The scope of work for the IRM consisted of: additional delineation sampling within the boatyard, removal and proper disposal of PCB impacted soils from within the boatyard and former capacitor locations, collection of confirmatory endpoint samples, backfill of excavations, and installation of storm water controls.

#### 5.1 Conclusions

PWGC performed delineation soil sampling to determine the necessary excavation boundaries within the boatyard. Following delineation, soils were removed from the excavation area to a depth of six inches bgs. Based on endpoint sampling, additional soils were removed (to depths of 12 to 18 inches bgs) at several locations. Following additional soil removal, PCB concentrations in endpoint samples were below the NYSDEC RUSCO of 1.0 ppm.

Soils were removed to a depth of one foot bgs in the vicinity of former capacitor locations CA-1, CA-2 and CA-3. Following soil removal, PCB concentrations in endpoint samples were below the site specific SCO of 1,000 ppm. Endpoint samples collected from capacitor locations CA-2 and CA-3 were below the NYSDEC RUSCO of 1.0 ppm for PCBs, while the endpoint sample from capacitor location CA-1 only slightly exceeded the NYSDEC RUSCO (1.2 ppm).

IRM excavation activities within the boatyard and capacitor locations generated a total of 227.23 tons of PCB contaminated soils. Excavated soils were transported by a licensed waste hauler, and disposed of at CWM Chemical Services LLC in Model City, New York (USEPA ID: NYD049836679).

Upon completion of soil removal activities, excavation areas were backfilled with NYSDEC approved backfill material and capped with RCA. Additionally, a one foot high earthen berm constructed of NYSDEC approved backfill material and capped with RCA was installed at the eastern boundary of the boatyard to minimize overland runoff of storm water from the former Canine Kennel site into the boatyard.

#### 5.2 Recommendations

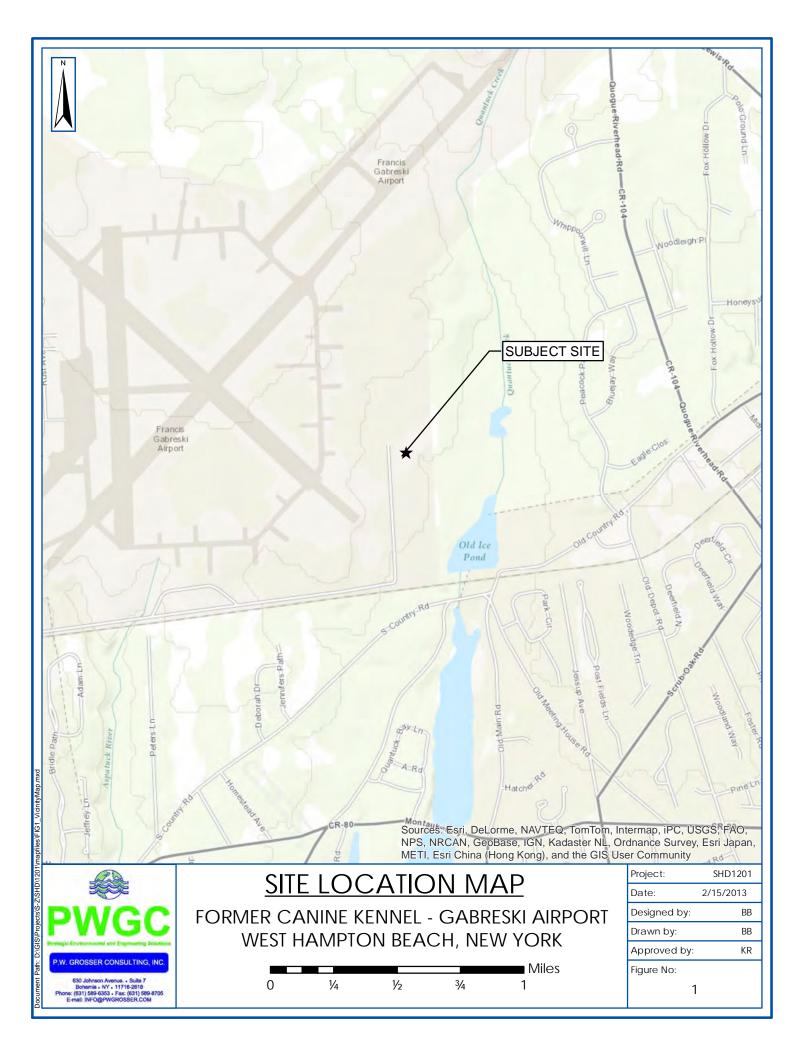
Based on the results of the IRM, PWGC offers the following recommendations:

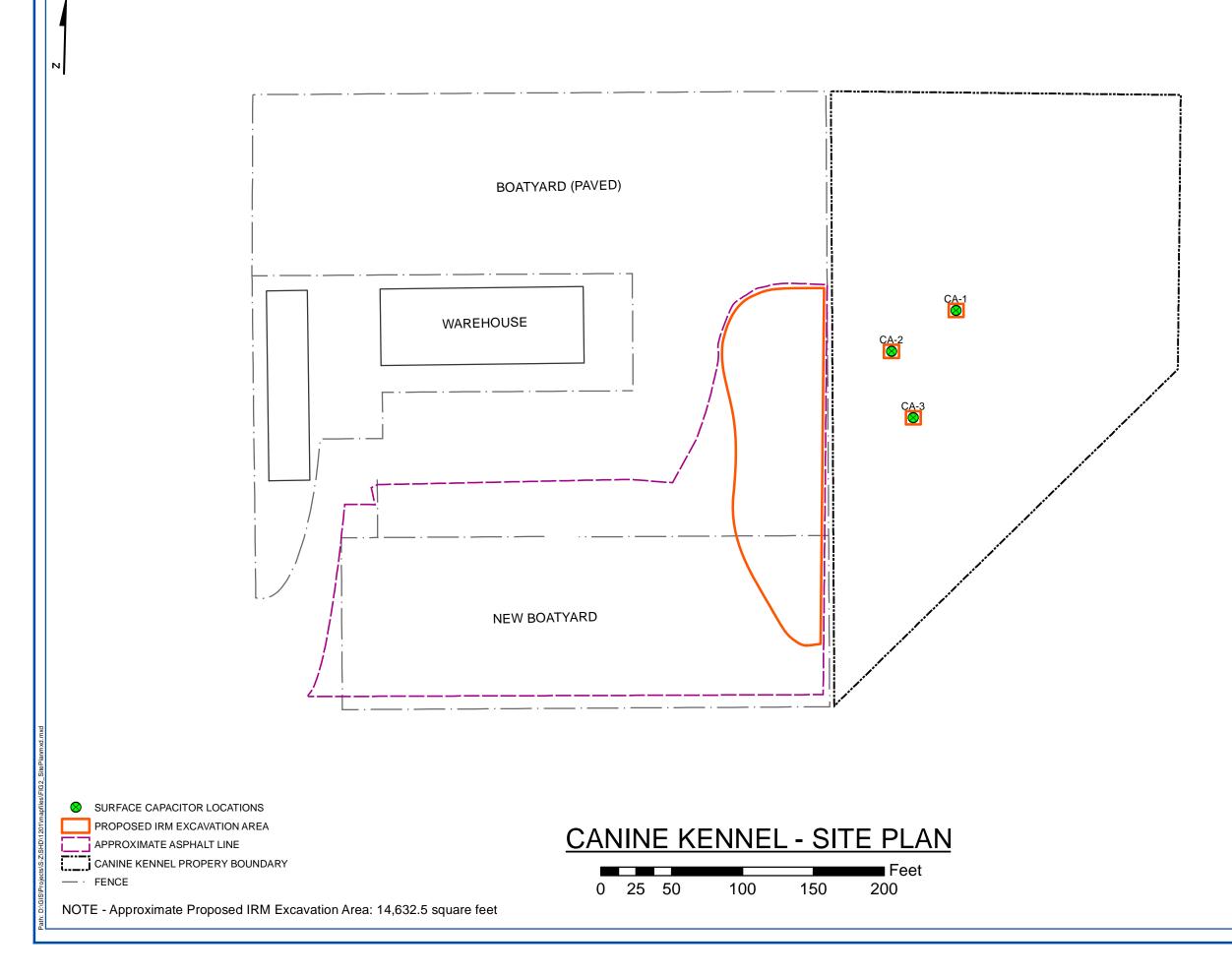
• The soil removal action within the boatyard appears to have satisfactorily addressed PCB impacted soils within this area. As such, PWGC recommends no further action for the boatyard portion of the site.



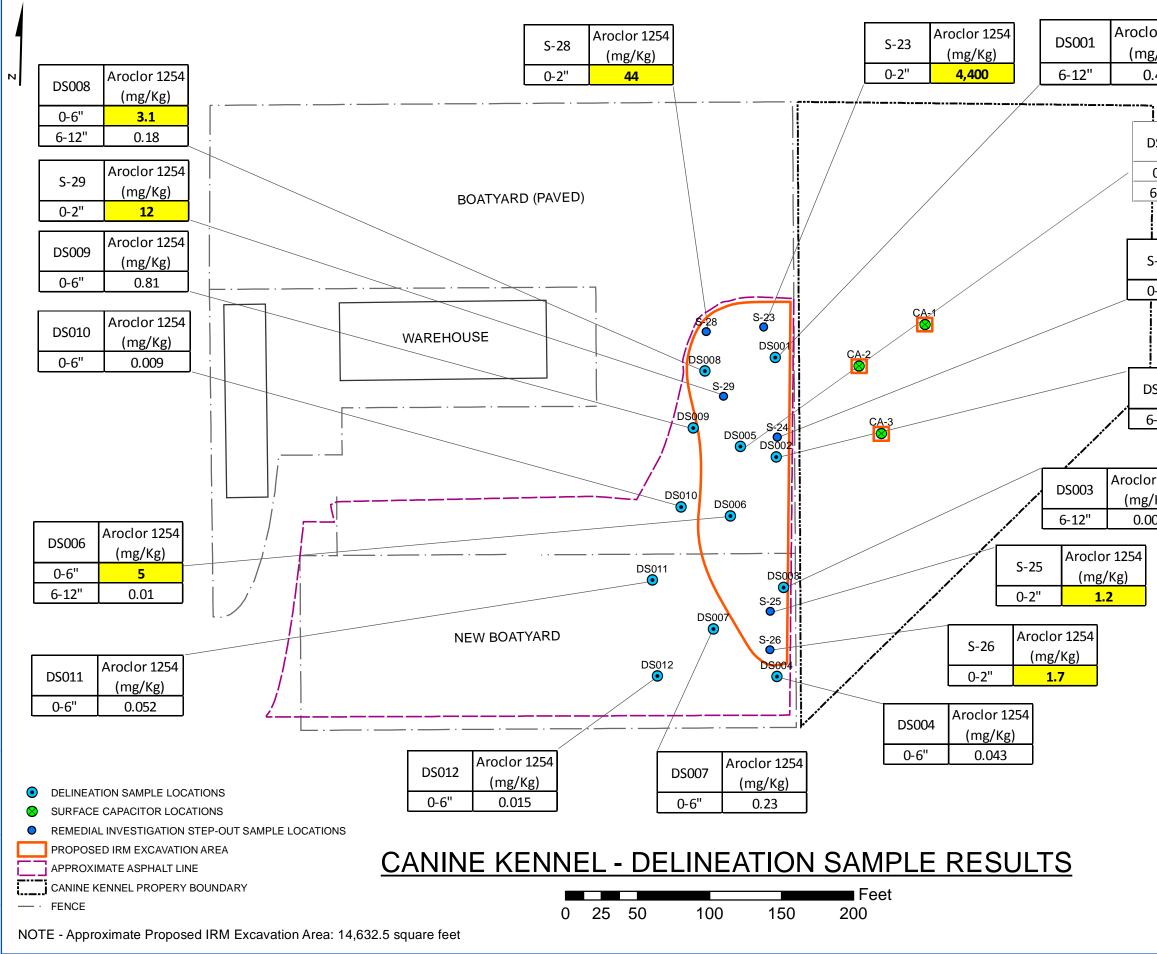
Despite the removal of contaminated soil from the former capacitor areas, there are still areas of the site containing concentrations of Aroclor-1254 ranging from 1.1 ppm to 4,200 ppm at depths of 0 to 6.5 feet bgs. PWGC recommends that a Remedial Work Plan (RWP) with Alternatives Analysis (AA), as described in the Brownfields Cleanup Program (BCP), be prepared. The RWP should include evaluation of alternatives that would meet different tracks as described in 6 NYCRR Part 375; Track 1-unrestricted use, Track 2 – restricted use with generic cleanup goals, Track 3 – restricted use with modified soil cleanup objectives. A no action alternative should also be evaluated.

**FIGURES** 

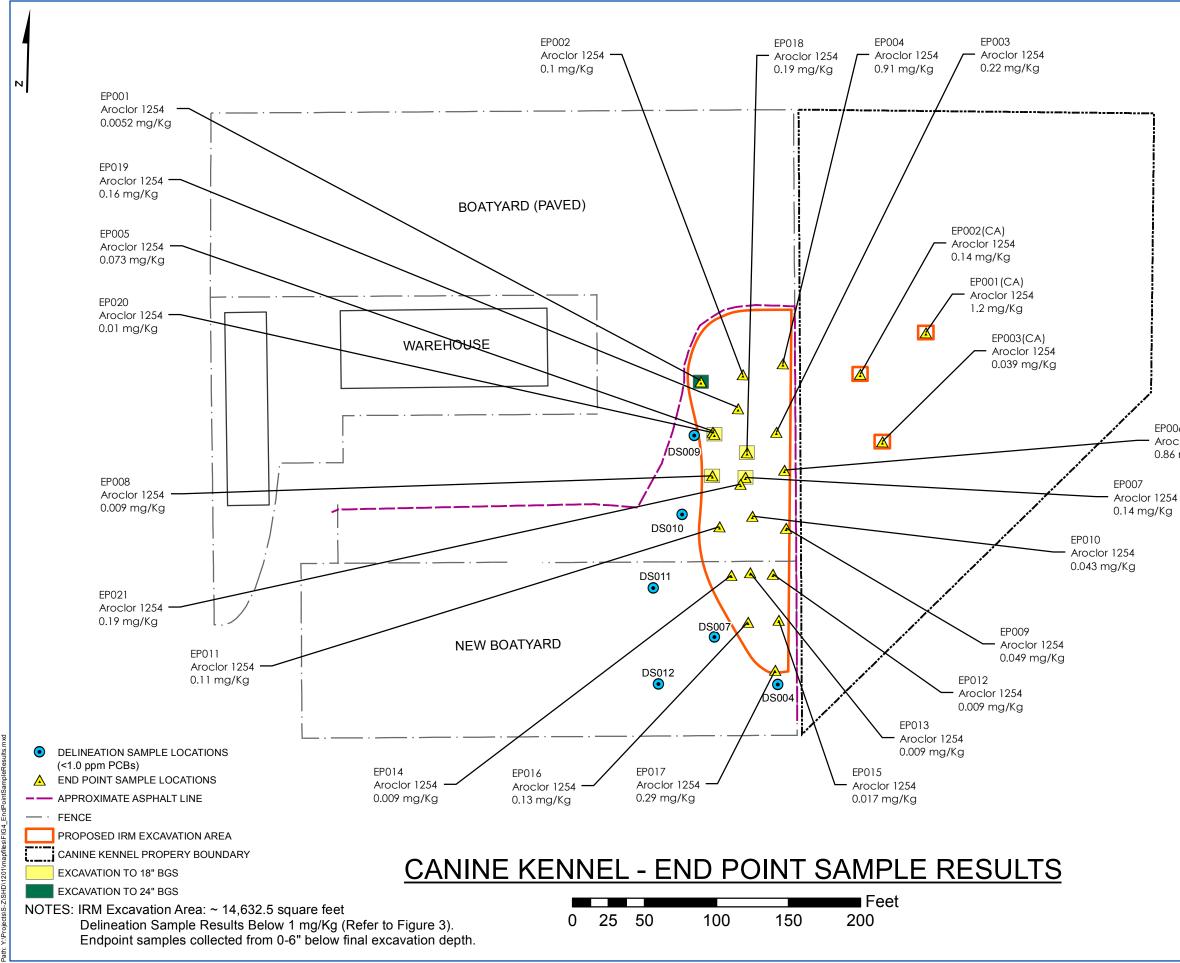




PW Strategic Environmental a	
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UNAUTHORIZED ALTERAT DRAWING AND RELATED DO OF SEC. 7209 OF THE N	
DRAWINGS PREPARED FC	
OFFICE OF POLL 15 HORSEBL	COUNTY LTH SERVICES UTION CONTROL LOCK PLACE NEW YORK 11738
DRAWING INFORMATION: PROJECT: SHD1201 DESIGNED BY: BB	APPROVED BY: AL DATE: 11/21/2012 SCALE: AS SHOWN
FORMER CAN GABRESK WEST HAMPTC	AIRPORT
PROPOSED IRI	M EXCAVATION
FIGURE NO:	
2 Sheet:	2



or 1254 g/Kg) 0.41 DS005 Aroclor 1254 (mg/Kg) 0-6" <b>3.3</b> 6-12" <b>2.7</b> S-24 Aroclor 1254 (mg/Kg) 0-2" <b>61</b>	Contraction of the end
Aroclor 1254 (mg/Kg) 6-12" 0.65	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING AND RELATED DOCUMENTS IS A VIOLATION OF SEC. 7209 OF THE N.Y.S. EDUCATION LAW DRAWINGS PREPARED FOR:
or 1254 /Kg) 009	SUFFOLK COUNTY DEPT. OF HEALTH SERVICES OFFICE OF POLLUTION CONTROL 15 HORSEBLOCK PLACE FARMINGVILLE, NEW YORK 11738
	REVISION DATE     INITIAL     COMMENTS       DRAWING INFORMATION:     PROJECT:     SHD1201     APPROVED BY:     AL       DESIGNED BY:     BB     DATE:     9/5/2012       DRAWN BY:     BB     SCALE:     AS SHOWN       SHEET TITLE:     SHEET SHOWN     SHEET SHOWN
	FORMER CANINE KENNEL GABRESKI AIRPORT WEST HAMPTON, NEW YORK PROPOSED IRM EXCAVATION
	FIGURE NO: 3 SHEET:



	Strateg		A commental a	G	C
		630 - Boh one: (631	Johnson A iemia • NY ) 589-6353	ONSULTING venue. • Suite 7 • 11716-2618 • Fax: (631) 58 vGROSSER.CC	9-8705
	DRAV	VING AND DF SEC. 72	RELATED D 209 OF THE	TION OR ADDITION OCUMENTS IS A N.Y.S. EDUCATION OR:	VIOLATION
	OFFIC 1	PT. OI E OF 5 HO	F HEA POLL RSEB	LOCK PL	VICES ONTROL
				1	
	REVISION DRAWING I PROJECT: DESIGNED BY: DRAWN BY:	INFORM SHD B	ATION: 1201 B	COMMENTS APPROVED BY: DATE: SCALE:	2/15/2013
-	DRAWING I PROJECT: DESIGNED BY:	INFORM SHD B B	ATION: 1201 B	APPROVED BY: DATE:	
	DRAWING I PROJECT: DESIGNED BY: DRAWN BY: SHEET TIT	INFORM SHD B B LE: DRME GAB	ATION: 1201 B B R CAI RESK	APPROVED BY: DATE:	2/15/2013 AS SHOWN
	DRAWING I PROJECT: DESIGNED BY: DRAWN BY: SHEET TIT	DRME GAB	R CAI RESK	APPROVED BY: DATE: SCALE: NINE KEN	2/15/2013 AS SHOWN INEL T YORK
	DRAWING I PROJECT: DESIGNED BY: DRAWN BY: SHEET TIT FC	INFORM B B LE: DRME GAB ST HA IRN	R CAI RESK	APPROVED BY: DATE: SCALE: NINE KEN I AIRPOR DN, NEW	2/15/2013 AS SHOWN INEL T YORK
	DRAWING I PROJECT: DESIGNED BY: DRAWN BY: SHEET TIT	INFORM B B LE: DRME GAB ST HA IRN	ATION: 1201 B R CAI RESK AMPTO M EXC	APPROVED BY: DATE: SCALE: NINE KEN I AIRPOR DN, NEW	2/15/2013 AS SHOWN INEL T YORK

EP006 Aroclor 1254 0.86 mg/Kg

# **TABLES**

#### Table 1

#### Delineation Soil Sample Analytical Data Summary Former Canine Kennel Site, Westhampton Beach, New York

Sample ID	NYSDEC	DS001	1	DS002	2	DS003	3	DS004	l	DS00	5	DS00	5	DS00	6	DS00	6	DS00	07
Sample Depth	Residential Use	(6-12"	)	(6-12"	)	(6-12"	)	(0-6")		(0-6)	)	(6-12")		(0-6"	)	(6-12"	')	(0-6'	")
Sample Date	SCO <sup>1</sup>	8/23/20	12	8/23/20	)12	8/23/20	12	8/23/20	12	8/23/20	8/23/2012		8/23/2012		012	8/23/2012		8/23/2	2012
PCBs by USEPA Method 8082																			
Aroclor-1016	1	0.0205	UD	0.0455	UD	0.009	U	0.009	U	0.09	UD	0.09	UD	0.18	UD	0.009	U	0.01	U
Aroclor-1221	1	0.0205	UD	0.0455	UD	0.009	U	0.009	U	0.09	UD	0.09	UD	0.18	UD	0.009	U	0.01	U
Aroclor-1232	1	0.0205	UD	0.0455	UD	0.009	U	0.009	U	0.09	UD	0.09	UD	0.18	UD	0.009	U	0.01	U
Aroclor-1242	1	0.0205	UD	0.0455	UD	0.009	U	0.009	U	0.09	UD	0.09	UD	0.18	UD	0.009	U	0.01	U
Aroclor-1248	1	0.0205	UD	0.0455	UD	0.009	U	0.009	U	0.09	UD	0.09	UD	0.18	UD	0.009	U	0.01	U
Aroclor-1254	1	0.41	DP	0.65	D	0.009	U	0.043	Р	3.3	D	2.7	D	5.0	D	0.01	J	0.23	
Aroclor-1260	1	0.0205	UD	0.0455	UD	0.009	U	0.009	U	0.09	UD	0.09	UD	0.18	UD	0.009	U	0.01	U

Sample ID Sample Depth	NYSDEC Residential Use	DS00 (0-6'	)	DS008 (6-12"	)	DS009 (0-6")	)	DS01( (0-6")	)	DS011 (0-6")		DS012 (0-6")		FieldDup		FieldDup(	
Sample Date	SCO	8/23/2	012	8/23/20	)12	8/23/20	)12	8/23/2012		8/23/2012		8/23/2012		8/23/20	)12	8/23/20	)12
PCBs by USEPA Metho																	
Aroclor-1016	1	90	UD	0.009	U	0.0445	UD	0.009	U	0.009	U	0.009	U	0.018	UD	0.009	U
Aroclor-1221	1	90	UD	0.009	U	0.0445	UD	0.009	U	0.009	U	0.009	U	0.018	UD	0.009	U
Aroclor-1232	1	90	UD	0.009	U	0.0445	UD	0.009	U	0.009	U	0.009	U	0.018	UD	0.009	U
Aroclor-1242	1	90	UD	0.009	U	0.0445	UD	0.009	U	0.009	U	0.009	U	0.018	UD	0.009	U
Aroclor-1248	1	90	UD	0.009	U	0.0445	UD	0.009	U	0.009	U	0.009	U	0.018	UD	0.009	U
Aroclor-1254	1	3.1	D	0.18	U	0.81	D	0.009	U	0.052		0.015	J	4.7	D	0.081	
Aroclor-1260	1	90	UD	0.009	U	0.0445	UD	0.009	U	0.009	U	0.009	U	0.018	UD	0.009	U

Notes:

All concentrations are mg/kg (ppm)

1- Residential Use Soil Cleanup Objectives (SCO), 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater. The concentration given is an estimated value.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is less than 25%.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Highlighted values indicate exceedance of the NYSDEC Cleanup Objective

\* FieldDup001 is a QA/QC duplicate sample of DS008 @ 0-6"

\*\*FieldDUp002 is a QA/QC duplicate sample of DS010 @ 0-6"

#### Table 2

#### Endpoint Soil Sample Analytical Data Summary Former Canine Kennel Site, Westhampton Beach, New York

Sample ID Sample Depth Sample Date	NYSDEC Residential Use SCO'	Site Specific SCO <sup>2</sup>	EP001(C (0-6" 11/6/20	)	EP002(C (0-6") 11/6/20		EP003(C (0-6) 11/6/20	)	EP00 (0-6" 11/12/2	)	EP001 (6-12 11/20/2	")	EP001 (12-18 11/228/2	")	EP002 (0-6") 11/12/20		EP003 (0-6") 11/12/20		EP00 (0-6" 11/6/20	)	EP005 (0-6") 11/12/20		EP006 (0-6") 11/12/20		EP00 (0-6" 11/12/2	")
PCBs by USEPA Metho	od 8082																									
Aroclor-1016	1	1,000	0.085	UD	0.009	U	0.009	U	0.095	UD	0.085	UD	0.009	U	0.009	U	0.009	U	0.09	UD	0.009	U	0.0465	UD	0.19	UD
Aroclor-1221	1	1,000	0.085	UD	0.009	U	0.009	U	0.095	UD	0.085	UD	0.009	U	0.009	U	0.009	U	0.09	UD	0.009	U	0.0465	UD	0.19	UD
Aroclor-1232	1	1,000	0.085	UD	0.009	U	0.009	U	0.095	UD	0.085	UD	0.009	U	0.009	U	0.009	U	0.09	UD	0.009	U	0.0465	UD	0.19	UD
Aroclor-1242	1	1,000	0.085	UD	0.009	U	0.009	U	0.095	UD	0.085	UD	0.009	U	0.009	U	0.009	U	0.09	UD	0.009	U	0.0465	UD	0.19	UD
Aroclor-1248	1	1,000	0.085	UD	0.009	U	0.009	U	0.095	UD	0.085	UD	0.009	U	0.009	U	0.009	U	0.09	UD	0.009	U	0.0465	UD	0.19	UD
Aroclor-1254	1	1,000	1.2	DP	0.14		0.039		1.2	D	2.9	D	0.0052	JP	0.1		0.22		0.91	DP	0.073		0.86	D	3.8	D
Aroclor-1260	1	1,000	0.085	UD	0.009	U	0.009	U	0.095	UD	0.085	UD	0.009	U	0.009	U	0.009	U	0.09	UD	0.009	U	0.0465	UD	0.19	UD

Sample ID Sample Depth Sample Date	NYSDEC Residential Use SCO'	Site Specific SCO <sup>2</sup>	EP007 (6-12" 11/20/20	)	EP004 (0-6) 11/12/2	)	(6-12"	EP008B (6-12") 11/20/2012		) )12	EP010 (0-6") 11/12/2012		EP011 (0-6") 11/12/2012		EP012 (0-6") 11/9/2012		EP013 (0-6") 11/9/2012		EP014 (0-6") 11/9/2012		EP015 (0-6") 11/9/2012		EP016 (0-6") 11/9/2012		EP017 (0-6") 11/9/20	')
PCBs by USEPA Metho	d 8082																									
Aroclor-1016	1	1,000	0.0095	U	0.095	UD	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
Aroclor-1221	1	1,000	0.0095	U	0.095	UD	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
Aroclor-1232	1	1,000	0.0095	U	0.095	UD	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
Aroclor-1242	1	1,000	0.0095	U	0.095	UD	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
Aroclor-1248	1	1,000	0.0095	U	0.095	UD	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
Aroclor-1254	1	1,000	0.140		1.2	D	0.009	U	0.049		0.043	Р	0.11		0.009	U	0.009	U	0.009	U	0.017	J	0.130		0.290	ļ
Aroclor-1260	1	1,000	0.0095	U	0.095	UD	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U

Sample ID Sample Depth	NYSDEC Residential Use	Site Specific SCO <sup>2</sup>	EP01 (0-6"		EP018I (6-12")		EP019 (0-6")		EP02 (0-6"		EP020 (6-12'		EP02 <sup>^</sup> (0-6")		FIELDDUP	2001*	FIELDDUP	002**	FIELDBLAN	K001	FIELDBLANI	(002	FIELDBLAN	003	FIELDBLANI	K003
Sample Date	SCO'		11/13/2		11/20/20		11/20/2		11/20/2		、 11/28/2		11/20/2		11/6/20	012	11/20/20	012	11/9/20	12	11/12/20	12	11/20/20	12	11/28/20	012
PCBs by USEPA Metho	d 8082																									
Aroclor-1016	1	1,000	0.185	UD	0.0095	U	0.009	U	0.09	UD	0.009	U	0.009	U	0.085	UD	0.09	UD	0.00025	U	0.00026	U	0.00026	U	0.00028	U
Aroclor-1221	1	1,000	0.185	UD	0.0095	U	0.009	U	0.09	UD	0.009	U	0.009	U	0.085	UD	0.09	UD	0.00025	U	0.00026	U	0.00026	U	0.00028	U
Aroclor-1232	1	1,000	0.185	UD	0.0095	U	0.009	U	0.09	UD	0.009	U	0.009	U	0.085	UD	0.09	UD	0.00025	U	0.00026	U	0.00026	U	0.00028	U
Aroclor-1242	1	1,000	0.185	UD	0.0095	U	0.009	U	0.09	UD	0.009	U	0.009	U	0.085	UD	0.09	UD	0.00025	U	0.00026	U	0.00026	U	0.00028	U
Aroclor-1248	1	1,000	0.185	UD	0.0095	U	0.009	U	0.09	UD	0.009	U	0.009	U	0.085	UD	0.09	UD	0.00025	U	0.00026	U	0.00026	U	0.00028	U
Aroclor-1254	1	1,000	4.3	D	0.190		0.160	Р	1.0	D	0.01	J	0.19	Р	0.89	DP	2.7	D	0.00025	U	0.00026	U	0.00026	U	0.00028	U
Aroclor-1260	1	1,000	0.185	UD	0.0095	U	0.009	U	0.09	UD	0.009	U	0.009	U	0.085	UD	0.09	UD	0.00025	U	0.00026	U	0.00026	U	0.00028	U

Notes:

All concentrations are mg/kg (ppm)

All sample depths are measured from the bottom of the initial excavation depth (i.e., six inches in boatyard, 12 inches in capacitor area)

1- Residential Use Soil Cleanup Objectives (SCO), 6 NYCRR Part 375-6, Remediation Program Soil Cleanup Objectives

2- Site Specific SCO, as specified in the approved IRM Work Plan, applies to Capacitor Area endpoint samples

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater. The concentration given is an estimated value.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is less than 25%.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

Highlighted values indicate exceedance of the NYSDEC Cleanup Objective

+ Capacitor Area (CA) Endpoint Sample

\* FieldDup001 is a QA/QC duplicate sample of EP001(CA) @ 0-6"

\*\*FieldDUp002 is a QA/QC duplicate sample of EP001 @ 0-6"

APPENDIX A PHOTO LOG





Photo 1 - View of boatyard pre IRM (looking north)



Photo 2 - View of boatyard pre IRM (looking south)





Photo 3 – Boatyard during excavation activities



Photo 4 - Boatyard after completion of excavation Endpoint sample locations are marked with stakes.





Photo 5 – Boatyard after completion of backfill. Berm is visible at the rear of the site, along tree line.



Photo 6 –Boatyard after completion of backfill Berm is visible along the tree line on right of photo.





Photo 7 - Capacitor location CA-1 during excavation.



Photo 8 - Capacitor location CA-1 after completion of excavation.





Photo 9 - Capacitor location CA-2 during excavation.



Photo 10 - Capacitor location CA-2 after completion of excavation.





Photo 11 - Capacitor location CA-3 during excavation.



Photo 12 - Capacitor location CA-3 after completion of excavation.





Photo 13 – Soils stockpiled on polyethylene sheeting in staging area.



Photo 14 - Soil stockpile covered with polyethylene sheeting and surrounded with silt fence.





Photo 15 – Soil loading activities.



Photo 16 - Stockpile area restoration after completion of soil load out.

# APPENDIX B LABORATORY ANALYTICAL REPORTS (DELINEATION SOIL SAMPLING)



# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 6315896353

ORDER ID : D3945

**ATTENTION :** Brian Barth







Date : 09/04/2012

Dear Brian Barth,

25 soil samples for the Canine Kennel project were received on 08/25/2012. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

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9. DS011 (18-24")			Soil		X	8/31/2012	1315	1	Х		<u> </u>							HOLD	
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CHEMTECH SAMPLE ID	PROJEC SAMPLE IDENTI		SAMPLE MATRIX	dwo	PE	DATE	TIME	# of Bottles	1 1	2	3	4	56	7	8	9	C-H2SO13 E-ICE		D-N F-OT
. DS007 (6-12")			Soil		X	8/23/2012	1325	1	х	2 (Q			·· · · · ·			1		HOLD	
. DS007 (12-18")			Soil		x	8/24/2012	1330	1	x									HOLD	
. DS007 (18-24")			Soil		x	8/25/2012	1335	1	х									HOLD	
. DS012 (0-6")			Soil		x	8/26/2012	1340	1	X							1	1 7		
. DS012 (0-6") MS	S/MSD		Soil		X	8/27/2012	1340	1	X				1			1-	r - 1	1	
.DS012 (6-12")			Soil		X	8/28/2012	1345	1	X					-	-	1	2 	HOLD	
. DS012 (12-18")		nga sa anga sa	Soil		x	8/29/2012	1350	1	X				1			1		HOLD	1.57
. DS012 (18-24")		an a	Soil	ranen <mark>ensensteriniseissimi</mark>	x	8/30/2012	1355	1	X								2 -	HOLD	Norge I
. DS004 (0-6")		******	Soil		X	8/31/2012	1400	1	X										
0. DS004 (6-12")			Soil		X	9/1/2012	1405	1	X									HOLD	
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OMPANY: P.W. Grosser			PROJECT #: SHD1201	074555440005445444000000000000000000000		LOCATION: Wes	t Hampton		ADDI	RESS:	630 Jo	hnsor	1 Aven	ue						
DDRESS: 630 Johnson A	venue		PROJECT MANAGER:	A. Lockwo	ood				CITY	: Bohe	mia						STAT	E: NY	ZIP: 117	16
TY: Bohemia	STATE: NY	ZIP: 11716	E-MAIL: andyl@pwgros	sser.com					ATTE	NTIO	N: A. H	urley								
TTENTION: B. Barth			PHONE: (631) 589-635	i3	A MALANA	FAX: (631) 589-8	705		PHO	NE: (6	31) 589	-6353		238 R						
HONE: (631) 589-6353	FAX: (631) 589	-8705				VERABLE			100000000000	lean med an m		1		A	NA	LYS	S	, ,	a 30	
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TANDARD TURNAROUN		DATS		SAM	PLE	SAMPL	E				8 (849493)) 1997	i i se se			\$~4:54				ecify Preser	
CHEMTECH	PROJE	ст	SAMPLE	TY	PE	COLLECT	ION	ttles					<b> </b>				10 10 10	A-HCI		B-⊢
SAMPLE	SAMPLE IDENT	IFICATION	MATRIX	OMP	RAB	DATE	TIME	of Bottles	4	2	3	4	5	6	7	8	9	C-H2SO13 E-ICE		D-1
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I. DS004 (12-18")			Soil		X	8/23/2012	1410	1	X				ļ						HOLD	
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		3.			'age_	5of5_	<u>eesse</u> ssesses	1924 C - C -	CHEN	NTECH	1 T	7 PICK	ced Up	-(j) - i		7		L · L · · · · · · ·	<b>.</b>	-: <b>7</b>



Client:	P.W. Grosser Consulting			Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS006(6-12)			SDG No.:		D3945		
Lab Sample ID:	D3945-03			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.08 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uL			Test:		РСВ		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH :	N/A		2				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010211.D	1	09/04/12		09/05/12		PI	365506	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		10	J	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xylene		19.8		10 - 1	66	99%	SPK: 20

U = Not Detected

2051-24-3

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

Decachlorobiphenyl

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

17.2

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

60 - 125

SPK: 20

86%



# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 6315896353

ORDER ID : D3944

**ATTENTION :** Brian Barth







Date : 09/04/2012

Dear Brian Barth,

1 water and 20 soil samples for the Canine Kennel project were received on 08/25/2012. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

CHEIMU	ECH	284	Sheffield Street, (908) 789-8900								ch Pro	oject	Num	ber					
HAIN OF CUSTO			(906) <b>109-8900</b> WWW.C						CO	C Nu	mber								
	ENT INFORMATIC	DN					o congelenderedo)(fa	i deletare pole					BILL	NG	NFO	RMA	ATION		
an da balancari na ana ana da ana ana	t to be sent to		PROJECT NAME: Forme	r Canine I	Kenne	1		ger en e	BILL	Г <b>О</b> : Р.\	W. Gros	ser C	onsultir	g		PO#	# #		
OMPANY: P.W. Grosser (	Consulting		PROJECT #: SHD1201			LOCATION: Wes	t Hampton	3	ADDF	RESS: (	630 Joh	nson	Avenue						
DDRESS: 630 Johnson Av			PROJECT MANAGER: A		od			61 – 11 119 – 119 – 119		Boher						STA	ATE: NY	ZIP: 117	16
CITY: Bohemia	STATE: NY	ZIP: 11716	E-MAIL: andyl@pwgrosse PHONE: (631) 589-6353	er.com		FAX: (631) 589-8	705	i Sectora	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	G 1 1 1	1: A. Hui 1) 589-6		- CALLAN	21.25				14550an Az	
HONE: (631) 589-6353	FAX: (631) 589	-8705	PHUNE: (631) 369-0333		(Ce)MPROV	FAA. (031) 309-0	705		PHOI	v⊏, (00	51) 569-0	0303	3623 (A. 195) A	AN	ALY	SIS			
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AX: HARD COPY:_5 EDD_5 TO BE APPROVED BY CH STANDARD TURNAROUNI	 D/ ДА НЕМТЕСН	AYS* AYS* YS*	RESEULTS ONLY     RESULTS * QC     New Jersey REDUCE     New Jersey CLP     EDD FORMATxls_	ם D נ	🗵 N	SEPA CLP ew York State ASI w York State ASP ther			Ą						- 100	6		OMMEN	TS
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. DS003 (6-12")			Soil		Х	8/26/2012	1020	1	X										
. DS005 (0-6")			Soil		Х	8/27/2012	1035	1	X							T		1	
. DS005 (6-12")			Soil		Х	8/28/2012	1040	1	X				1			Т		HOLD	
'. DS005 (12-18")			Soil		х	8/29/2012	1045	1	X				3					HOLD	
. DS005 (18-24")		99999999999999999999999999999999999999	Soil		Х	8/30/2012	1050	1 1	X							T		HOLD	
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| Imation           E: NY         ZIP: 11716           (631) 589-8705           INFORMATION   | PROJECT NAME: Forr<br>PROJECT #: SHD1201<br>PROJECT MANAGER:<br>E-MAIL: andyl@pwgros<br>PHONE: (631) 589-635 | mer Canine<br>I<br>: A. Lockwo<br>sser.com<br>53                | Kenne  | FORMATION   |  
   
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| (631) 589-8705<br>INFORMATION<br>DAYS*<br>DAYS*   | PROJECT #: SHD1201<br>PROJECT MANAGER:<br>E-MAIL: andyl@pwgrog<br>PHONE: (631) 589-638                       | I<br>: A. Lockwo<br>sser.com<br>53                              |  | and the second se   | st Hampton   |  |   |   |  |   |  |   |   | PO#   | an a su contra de   | an di marina<br>Managari marina  |
| (631) 589-8705<br>INFORMATION<br>DAYS*<br>DAYS*   | PROJECT MANAGER<br>E-MAIL: andyl@pwgros<br>PHONE: (631) 589-635  | A. Lockwo<br>sser.com   | od   | LOCATION: We  | st Hampton   
   
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| (631) 589-8705<br>INFORMATION<br>DAYS*<br>DAYS*   | E-MAIL: andyl@pwgros<br>PHONE: (631) 589-635   | sser.com<br>53  | od   |   |  
   
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| (631) 589-8705<br>INFORMATION<br>DAYS*<br>DAYS*   | PHONE: (631) 589-635   | 53  |  |   | an an the state  
   
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| INFORMATION<br>DAYS*<br>DAYS*   |  |   |  | FAX: (631) 589-8  | 3705   
   
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| PROJECT<br>E IDENTIFICATION   | SAMPLE<br>MATRIX   | awoo  | GRAB   | DATE  | TIME   
   
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   |
| DAYS*           ROVED BY CHEMTECH<br>URNAROUND TIME IS 10 BUSINESS DAYS           CH           PROJECT           SAMPLE IDENTIFICATION           (12-18")           (12-18")           (0-6")           (0-6")           (0-6")           (12-18")           (12-18")           (12-18")           (12-18")           (12-18")           (12-18")           (12-18")           (12-18")           (18-24")           (0-6")           (12-18")           (18-24")           (0-6")           (12-18")           SAMPLE CUSTODY MUST BE DO           'sampler           DATE/TIME           Received BY           1.           PATE/TIME           Received BY           2.           PATE/TIME           Received BY           2. |  | E IDENTIFICATION MATRIX Soil Soil Soil Soil Soil Soil Soil Soil | PROJECT<br>E IDENTIFICATION     SAMPLE<br>MATRIX     TYF       Soil     Soil       Soil     Matrix       Soil     Soil       Soil     Soil | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE           % | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLEC           %         %         %         MATRIX         % <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION           %         %         DATE         TIME           Soil         X         8/23/2012         1110           Soil         X         8/23/2012         1110           Soil         X         8/24/2012         1115           Soil         X         8/25/2012         1125           Soil         X         8/26/2012         1125           Soil         X         8/26/2012         1125           Soil         X         8/26/2012         1130           Soil         X         8/28/2012         1135           Soil         X         8/28/2012         1135           Soil         X         8/29/2012         1140           Soil         X         8/30/2012         1150           Soil         X         8/31/2012         1155           Soil         X         9/1/2012         1200           ODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE         MeOH extraction requires an additiona Comments: HOLD DS004 - DS012 (6-           TIME         RECEIVED BY         3.         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Page2_of_5         Soin</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         and an and a strength of a strength of</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image: Sample set of the set o</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         And the second<br/>second second se</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         9<br/>9<br/>9<br/>8         E         I         2         3           Soil         X         8/23/2012         1110         1         X         I         2         3           Soil         X         8/23/2012         1110         1         X         I         2         3           Soil         X         8/24/2012         1115         1         X         I</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image: Matrix         <thimage: mat<="" td=""><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>1         E         I</td><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         B<br/>0         E         I         <!--</td--><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta</td><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2</td><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image of the second<br/>second second seco</td></td></thimage:></td> | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION           %         %         DATE         TIME           Soil         X         8/23/2012         1110           Soil         X         8/23/2012         1110           Soil         X         8/24/2012         1115           Soil         X         8/25/2012         1125           Soil         X         8/26/2012         1125           Soil         X         8/26/2012         1125           Soil         X         8/26/2012         1130           Soil         X         8/28/2012         1135           Soil         X         8/28/2012         1135           Soil         X         8/29/2012         1140           Soil         X         8/30/2012         1150           Soil         X         8/31/2012         1155           Soil         X         9/1/2012         1200           ODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE         MeOH extraction requires an additiona Comments: HOLD DS004 - DS012 (6-           TIME         RECEIVED BY         3.         Page2_of_5           3.         Page2_of_5         Soin | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         and an and a strength of | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         Image: Sample set of the set o | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         And the second<br>second second se | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         9<br>9<br>9<br>8         E         I         2         3           Soil         X         8/23/2012         1110         1         X         I         2         3           Soil         X         8/23/2012         1110         1         X         I         2         3           Soil         X         8/24/2012         1115         1         X         I | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         Image: Matrix         Image: Matrix <thimage: mat<="" td=""><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>1         E         I</td><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         B<br/>0         E         I         <!--</td--><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta</td><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2</td><td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image of the second<br/>second second seco</td></td></thimage:> | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>1         E         I | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         B<br>0         E         I </td <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2</td> <td>PROJECT<br/>E IDENTIFICATION         SAMPLE<br/>MATRIX         TYPE         COLLECTION         Image of the second<br/>second second seco</td> | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2 | PROJECT<br>E IDENTIFICATION         SAMPLE<br>MATRIX         TYPE         COLLECTION         Image of the second<br>second second seco |



Client:	P.W. Grosser Consultin	g		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS005(6-12)			SDG No.:		D3944		
Lab Sample ID:	D3944-06			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	<b>.</b> .	8	Decanted:	
Analytical Method.	5 W 0002A			76 Ivioisture	5.	0	Decanteu.	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI	_		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010209.D	1	09/04/12		09/05/12		PE	865506	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		1800	Е	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	$T_{1}$ (m. 11) (m. 1)		10.2		10 - 10	66	96%	SPK: 20
077-07-0	Tetrachloro-m-xyle	ne	19.2		10 - 10	00	90%	SFK. 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	ıg		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS005(6-12)DL			SDG No.:		D3944		
Lab Sample ID:	D3944-06DL			Matrix:		SOIL		
-				% Moistur		8	Decanted:	
Analytical Method:	SW8082A			% Moistur	e:	8	Decanted	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010212.D	10	09/04/12		09/05/12		PI	365506	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		90	UD	38	90	180	ug/Kg
11104-28-2	Aroclor-1221		90	UD	37	90	180	ug/Kg
11141-16-5	Aroclor-1232		90	UD	81	90	180	ug/Kg
53469-21-9	Aroclor-1242		90	UD	37	90	180	ug/Kg
12672-29-6	Aroclor-1248		90	UD	71	90	180	ug/Kg
11097-69-1	Aroclor-1254		2700	D	16	90	180	ug/Kg
11096-82-5	Aroclor-1260		90	UD	45	90	180	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	17.8		10 - 1	66	89%	SPK: 20
2051-24-3	Decachlorobipheny	rl	19.9		60 - 1	25	100%	SPK: 20

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 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS008(6-12)			SDG No.:		D3944		
Lab Sample ID:	D3944-10			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
-	ul			Test:		PCB	uL	
Soil Aliquot Vol:	u							
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010210.D	1	09/04/12		09/05/12		PE	865506	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2								
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11104-28-2 11141-16-5	Aroclor-1221 Aroclor-1232		9 9	U U	3.6 7.9	9 9	18 18	ug/Kg ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
11141-16-5 53469-21-9	Aroclor-1232 Aroclor-1242		9 9	U U	7.9 3.6	9 9	18 18	ug/Kg ug/Kg
11141-16-5 53469-21-9 12672-29-6	Aroclor-1232 Aroclor-1242 Aroclor-1248		9 9 9	U U	7.9 3.6 7	9 9 9	18 18 18	ug/Kg ug/Kg ug/Kg
11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 180	U U U	7.9 3.6 7 1.6	9 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	ne	9 9 9 180	U U U	7.9 3.6 7 1.6	9 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg

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D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 6315896353

ORDER ID : D3945

**ATTENTION :** Brian Barth







Date : 09/04/2012

Dear Brian Barth,

25 soil samples for the Canine Kennel project were received on 08/25/2012. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

CHEMTEC		284	Sheffield Stree			2021년 2021년 2021년 1월 2021년 2021년 1921년 1월 2021년 2021년 1월 2021년 2021			Che	mteo	ch Pr	oject I	Num	ber			$\left( \right)$	39	4
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		<b></b>								Г <u>О</u> , р		osser Cor				PO#			,
Report to be sent COMPANY: P.W. Grosser Consulting	<b>[O</b>		PROJECT NAME: Forn PROJECT #: SHD1201	INCOMPANY INCOMES INCOMES		LOCATION: Wes	t Hampton					hnson A				FU#			
ADDRESS: 630 Johnson Avenue			PROJECT MANAGER:				-	ren nue	CITY:							STA	TE: NY	ZIP: 11	716
	TATE: NY	ZIP: 11716	E-MAIL: andyl@pwgros					le de trace	ATTE	NTION	N: A. H	urley				•			, promition and
ATTENTION: B. Barth			PHONE: (631) 589-635	3		FAX: (631) 589-8	705		PHON	IE: (63	81) 589	9-6353	692.S		aley (				
PHONE: (631) 589-6353	AX: (631) 589	-8705		ΠΛΤΛ		VERABLE			1110000000			, ,		AN	ALYS	SIS		122.022	
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	PROJE		SAMPLE	SAM TY		SAMPL COLLECT	an an an an galagh an a' an	s	E			(30000) - 33 1		1983 (12) 1			< Sp А-НСІ	ecify Prese	ervat E
CHEMTECH SAMPLE SAM ID	IPLE IDENT		MATRIX	đwoo	GRAB	DATE	TIME	# of Bottles	1	2	3	4 5	6	7	8	9	C-H2SO13 E-ICE		F
1. DS010 (18-24")			Soil		X	8/23/2012	1205	1	Х							1		HOLD	
2. DS006 (0-6")		성장 중에게 말한 2017년 1월 1일	Soil		X	8/24/2012	1210	1	X								an sheke y		
3. DS006 (6-12")			Soil		X	8/25/2012	1215	1	X									HOLD	
4. DS006 (12-18")	an that a		Soil		X	8/26/2012	1220	1	Х		1					1.1	n an is ign tha	HOLD	
5. DS006 (18-24")			Soil		X	8/27/2012	1225	1	Х	ng sa China An sa Shina An sa Shina							in the second	HOLD	
6. DS011 (0-6")	ang na		Soil		X	8/28/2012	1300	1	х	1993									
7. DS011 (6-12")			Soil		X	8/29/2012	1305	1	Х	14.02 1								HOLD	
8. DS011 (12-18")	t glas		Soil		X	8/30/2012	1310	1	Х									HOLD	
9. DS011 (18-24")			Soil		X	8/31/2012	1315	1	Х		<u> </u>							HOLD	
10. DS007 (0-6")			Soil		X	9/1/2012	1320	1	X	2400) desaues			àise S						
SAMPLE CU	STODY M	UST BE DOCU	MENTED BELOW															Y	
RELINQUISHED BY SAMPLER [	DATE/TIME	RECEIVED BY		MeOH	extrac	ottles or collers a tion requires an HOLD DS004 -	additional	l 4oz. Ja	ar for p	ercen	t solic	r i			R TEM				
RELINQUISHED BY	DATE/TIME	RECEIVED BY																	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB B	900-991 (1999 - 1999) - 1999 (1999 - 1999) - 1999 (1999 - 1999) - 1999 (1999 - 1999) - 1999 (1999 - 1999) - 199		<sup>o</sup> age_	3 of 5		Overnig	CLIENT ht CHEM			Hand De → Picked		d	+ +		Ship	ment Cor	nple +

<b>GHEIM</b>		289	Sheffield Stree (908) 789-8900	) Fax	c (90	8) 789-892			coc	Nu	mber		· · · · ·						
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and a second second second second second second		<b>M</b>	PROJECT NAME: For		ander pi				рш і т		N. Gros			91102		PO#	97	a sanang sala	
OMPANY: P.W. Grosser	rt to be sent to Consulting		PROJECT NAME: POIL		s Kenne	LOCATION: Wes	t Hampton				630 Joh			9		1 01	- 		
DDRESS: 630 Johnson A			PROJECT MANAGER:	A. Lockw	bod				CITY:	Boher	nia					STA	TE: NY	ZIP: 1171	6
TY: Bohemia	STATE: NY	ZIP: 11716	E-MAIL: andyl@pwgros	allood and provide the lot of lot of the			1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 				I: A. Hu			8.13			r Richardsona	en Recipión da de	20 1111
TENTION: B. Barth IONE: (631) 589-6353	FAX: (631) 589-	8705	PHONE: (631) 589-635	3		FAX: (631) 589-8	705		PHON	E: (63	1) 589-0	0353		AN	ALYS	SIS		ndi : Andriki 193	
						VERABLE IATION				/		/	/	/	/ /	/ /	///	/	
AX: ARD COPY:_5 DD_5 TO BE APPROVED BY C TANDARD TURNAROUN	DA DA		□ RESEULTS ONLY □ RESULTS * QC □ New Jersey REDU → New Jersey CLP ☑ EDD FORMAT _xt	CED	×Ν	SEPA CLP lew York State AS w York State ASP ther			4			T RVA			.   ∞	6		OMMENT	ſS
				1994 - March 1994 (1994)	IPLE	SAMPL COLLECT				708.0353 					191 H H H		< Sp	ecify Preserv	vative B-HI
CHEMTECH SAMPLE ID	PROJEC SAMPLE IDENTI		SAMPLE MATRIX	dwo	PE	DATE	TIME	# of Bottles	1 1	2	3	4	56	7	8	9	C-H2SO13 E-ICE		D-N F-OT
. DS007 (6-12")			Soil		X	8/23/2012	1325	1	х	2 (Q			·· · · ·			1		HOLD	
. DS007 (12-18")			Soil		x	8/24/2012	1330	1	x									HOLD	
. DS007 (18-24")			Soil		x	8/25/2012	1335	1	х									HOLD	
. DS012 (0-6")			Soil		x	8/26/2012	1340	1	X							1	1 7		
. DS012 (0-6") MS	S/MSD		Soil		X	8/27/2012	1340	1	X				1			1-	r - 1	1	
.DS012 (6-12")			Soil		X	8/28/2012	1345	1	X					-	-	1	2 <sup>2</sup> 3	HOLD	
. DS012 (12-18")		nga sa anga sa	Soil		x	8/29/2012	1350	1	X				1			1		HOLD	1.57
. DS012 (18-24")		an a	Soil	ranen <mark>ensensteriniseissimi</mark>	x	8/30/2012	1355	1	X								2 -	HOLD	Norge I
. DS004 (0-6")		******	Soil		X	8/31/2012	1400	1	X										
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OMPANY: P.W. Grosser			PROJECT #: SHD1201	074555440005445444000000000000000000000		LOCATION: Wes	t Hampton		ADDI	RESS:	630 Jo	hnsor	1 Aven	ue						
DDRESS: 630 Johnson A	venue		PROJECT MANAGER:	A. Lockwo	ood				CITY	: Bohe	mia						STAT	E: NY	ZIP: 117	16
TY: Bohemia	STATE: NY	ZIP: 11716	E-MAIL: andyl@pwgros	sser.com					ATTE	NTIO	N: A. H	urley								
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SAMPLE	SAMPLE IDENT	IFICATION	MATRIX	OMP	RAB	DATE	TIME	of Bottles	4	2	3	4	5	6	7	8	9	C-H2SO13 E-ICE		D-1
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I. DS004 (12-18")			Soil		X	8/23/2012	1410	1	X				ļ						HOLD	
2. DS004 (18-24")			Soil		X	8/24/2012	1415	1	Х										HOLD	
3. Field Dup 001	an george an		Soil		Х	8/25/2012	Х	1	Х	1948							2			
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).			Soil		х	8/31/2012		1	Х		1							et Perset (Perset)		
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SAM	PLE CUSTODY M	UST BE DOCL	IMENTED BELOW	EACH	TIME	SAMPLES	CHANG	E PRO	SSE	SSI	ON IN	ICL	UDIN	IG C	οU	RIEF	R DE	LIVER	Y	
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ELINQUISHED BY	DATE/TIME	RECEIVED BY			ienta.		500 IL (0	·• //		,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 、				-					
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Client:	P.W. Grosser Consultin	ng		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS006(0-6)			SDG No.:		D3945		
Lab Sample ID:	D3945-02			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
-	e						uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: <b>N/A</b>						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010168.D	1	08/27/12		08/29/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7	9	18	ug/Kg
11097-69-1	Aroclor-1254		2700	Е	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	21.7		10 - 10	66	108%	SPK: 20

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Client:	P.W. Grosser Consult	ing		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS006(0-6)DL			SDG No.:		D3945		
Lab Sample ID:	D3945-02DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.09 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PI	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010155.D	20	08/27/12		08/29/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		180	UD	74	180	360	ug/Kg
11104-28-2	Aroclor-1221		180	UD	72	180	360	ug/Kg
11141-16-5	Aroclor-1232		180	UD	160	180	360	ug/Kg
53469-21-9	Aroclor-1242		180	UD	72	180	360	ug/Kg
12672-29-6	Aroclor-1248		180	UD	140	180	360	ug/Kg
11097-69-1	Aroclor-1254		5000	D	32	180	360	ug/Kg
11096-82-5	Aroclor-1260		180	UD	87	180	360	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xy	ene	0	*	10 - 10	56	0%	SPK: 20
2051-24-3	Decachlorobiphen	yl	0	*	60 - 12	25	0%	SPK: 20

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Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS011(0-6)			SDG No.:		D3945		
Lab Sample ID:	D3945-06			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.11 Units: g	r		Final Vol:		10000	uL	
-							uL .	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PF	I: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010130.D	1	08/27/12		08/28/12		PE	365378	
CAS Number								
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
<b>TARGETS</b> 12674-11-2	Parameter Aroclor-1016		Conc. 9	<b>Qualifier</b> U	<b>MDL</b> 3.7	LOD 9	<b>LOQ / CRQL</b> 18	Units ug/Kg
TARGETS								
<b>TARGETS</b> 12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2	Aroclor-1016 Aroclor-1221		9 9	U U	3.7 3.6	9 9	18 18	ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5	Aroclor-1016 Aroclor-1221 Aroclor-1232		9 9 9	U U U	3.7 3.6 7.9	9 9 9	18 18 18	ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242		9 9 9 9	U U U U	3.7 3.6 7.9 3.6	9 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		9 9 9 9 9	U U U U	3.7 3.6 7.9 3.6 7	9 9 9 9	18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 9 9 52	U U U U U	3.7 3.6 7.9 3.6 7 1.6	9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	ene	9 9 9 9 9 52	U U U U U	3.7 3.6 7.9 3.6 7 1.6	9 9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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Client:	P.W. Grosser Consultin	ng		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS007(0-6)			SDG No.:		D3945		
Lab Sample ID:	D3945-10			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	15	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
-	c	L				PCB	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: <b>N/A</b>						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010131.D	1	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	Parameter		Conc.		MDL			Units
CAS Number TARGETS 12674-11-2	Parameter Aroclor-1016		<b>Conc.</b> 10		<b>MDL</b> 4.1			Units ug/Kg
TARGETS				Qualifier		LOD	LOQ / CRQL	
<b>TARGETS</b> 12674-11-2	Aroclor-1016		10	<b>Qualifier</b> U	4.1	<b>LOD</b> 10	<b>LOQ / CRQL</b> 20	ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2	Aroclor-1016 Aroclor-1221		10 10	<b>Qualifier</b> U U	4.1 4	<b>LOD</b> 10 10	<b>LOQ / CRQL</b> 20 20	ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5	Aroclor-1016 Aroclor-1221 Aroclor-1232		10 10 10	<b>Qualifier</b> U U U	4.1 4 8.8	10 10 10	20 20 20 20	ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242		10 10 10 10	Qualifier U U U U U	4.1 4 8.8 4	10 10 10 10 10	20 20 20 20 20 20	ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		10 10 10 10 10	Qualifier U U U U U	4.1 4 8.8 4 7.7	10 10 10 10 10 10	20 20 20 20 20 20 20 20	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		10 10 10 10 10 230	Qualifier U U U U U	4.1 4 8.8 4 7.7 1.8	10 10 10 10 10 10 10	20 20 20 20 20 20 20 20 20	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		10 10 10 10 10 230	Qualifier U U U U U	4.1 4 8.8 4 7.7 1.8	10 10 10 10 10 10 10 10	20 20 20 20 20 20 20 20 20	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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Client:	P.W. Grosser Consultin	ıg		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS007(0-6)RE			SDG No.:		D3945		
Lab Sample ID:	D3945-10RE			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	15	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010154.D	1	08/27/12		08/29/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		10	U	4.1	10	20	ug/Kg
11104-28-2	Aroclor-1221		10	U	4	10	20	ug/Kg
11141-16-5	Aroclor-1232		10	U	8.8	10	20	ug/Kg
53469-21-9	Aroclor-1242		10	U	4	10	20	ug/Kg
12672-29-6	Aroclor-1248		10	U	7.7	10	20	ug/Kg
11097-69-1	Aroclor-1254		190		1.8	10	20	ug/Kg
11096-82-5	Aroclor-1260		10	U	4.8	10	20	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	12.5		10 - 1	66	63%	SPK: 20
2051-24-3	Decachlorobipheny	1	9.97	*	60 - 12	25	50%	SPK: 20

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Client:	P.W. Grosser Consultin	g		Date Collec	eted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS012(0-6)			SDG No.:		D3945		
Lab Sample ID:	D3945-14			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI			Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A		5				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010125.D	1	08/27/12		08/28/12		PE	865378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	u a/V a
	AI0CI01-1010		2	U	5.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U U	3.6	9	18 18	ug/Kg ug/Kg
11104-28-2 11141-16-5								
	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1221 Aroclor-1232		9 9	U U	3.6 8	9 9	18 18	ug/Kg ug/Kg
11141-16-5 53469-21-9	Aroclor-1221 Aroclor-1232 Aroclor-1242		9 9 9	U U U	3.6 8 3.6	9 9 9	18 18 18	ug/Kg ug/Kg ug/Kg
11141-16-5 53469-21-9 12672-29-6	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		9 9 9 9	U U U U	3.6 8 3.6 7.1	9 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 15	U U U J	3.6 8 3.6 7.1 1.6	9 9 9 9	18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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2051-24-3

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P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

Decachlorobiphenyl

J = Estimated Value

B = Analyte Found in Associated Method Blank

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\* = Values outside of QC limits

D = Dilution

14.1

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

60 - 125

70%

SPK: 20



Client:	P.W. Grosser Consultin	ng		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS004(0-6)			SDG No.:		D3945		
Lab Sample ID:	D3945-20			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	e	L		Test:		РСВ		
Extraction Type:	-	_		Injection V	olume	1		
GPC Factor :	1.0 PH	: <b>N/A</b>		injection (	oranie			
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010108.D	1	08/27/12		08/28/12		PE	365378	
PC010108.D CAS Number	1 Parameter	08/27/12	Conc.	08/28/12 Qualifier	MDL	PE LOD	365378 LOQ / CRQL	Units
CAS Number		08/27/12	Conc.		MDL			Units
		08/27/12	Conc. 9		<b>MDL</b> 3.7			
CAS Number TARGETS	Parameter	08/27/12		Qualifier		LOD	LOQ / CRQL	Units ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2	Parameter Aroclor-1016	08/27/12	9	<b>Qualifier</b> U	3.7	<b>LOD</b> 9	<b>LOQ / CRQL</b> 18	ug/Kg
<b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2	Parameter Aroclor-1016 Aroclor-1221	08/27/12	9 9	<b>Qualifier</b> U U	3.7 3.7	<b>LOD</b> 9 9	<b>LOQ / CRQL</b> 18 18	ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232	08/27/12	9 9 9	<b>Qualifier</b> U U U	3.7 3.7 8	<b>LOD</b> 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	08/27/12	9 9 9 9	Qualifier U U U U	3.7 3.7 8 3.7	<b>LOD</b> 9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	08/27/12	9 9 9 9 9	Qualifier U U U U U U	3.7 3.7 8 3.7 7.1	<b>LOD</b> 9 9 9 9 9 9	18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	08/27/12	9 9 9 9 9 9 43	Qualifier U U U U U P	3.7 3.7 8 3.7 7.1 1.6	9 9 9 9 9 9 9 9	18 18 18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 9 9 9 43	Qualifier U U U U U P	3.7 3.7 8 3.7 7.1 1.6	9 9 9 9 9 9 9 9 9	18 18 18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	FIELDDUP001			SDG No.:		D3945		
Lab Sample ID:	D3945-24			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
-	e	-					uL	
Soil Aliquot Vol:	ul	_		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010109.D	1	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	Parameter		Conc.		MDL	LOD	LOQ / CRQL	Units
CAS Number TARGETS 12674-11-2	Parameter Aroclor-1016		Conc. 9		<b>MDL</b> 3.6	LOD 9	<b>LOQ / CRQL</b> 18	Units ug/Kg
TARGETS				Qualifier				
<b>TARGETS</b> 12674-11-2	Aroclor-1016		9	<b>Qualifier</b> U	3.6	9	18	ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2	Aroclor-1016 Aroclor-1221		9 9	<b>Qualifier</b> U U	3.6 3.6	9 9	18 18	ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5	Aroclor-1016 Aroclor-1221 Aroclor-1232		9 9 9	Qualifier U U U	3.6 3.6 7.8	9 9 9	18 18 18	ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242		9 9 9 9	Qualifier U U U U U	3.6 3.6 7.8 3.6	9 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		9 9 9 9	Qualifier U U U U U U	3.6 3.6 7.8 3.6 6.9	9 9 9 9 9	18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 9 9 9 2700	Qualifier U U U U U U EP	3.6 3.6 7.8 3.6 6.9 1.6	9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 9 9 9 2700	Qualifier U U U U U U EP	3.6 3.6 7.8 3.6 6.9 1.6	9 9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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Client:	P.W. Grosser Consultin	ng		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	FIELDDUP001DL			SDG No.:		D3945		
Lab Sample ID:	D3945-24DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	5	Decanted:	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u			Test:		РСВ		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010162.D	20	08/27/12		08/29/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		180	UD	73	180	360	ug/Kg
11104-28-2	Aroclor-1221		180	UD	71	180	360	ug/Kg
11141-16-5	Aroclor-1232		180	UD	160	180	360	ug/Kg
53469-21-9	Aroclor-1242		180	UD	71	180	360	ug/Kg
12672-29-6	Aroclor-1248		180	UD	140	180	360	ug/Kg
11097-69-1	Aroclor-1254		4700	D	31	180	360	ug/Kg
11096-82-5	Aroclor-1260		180	UD	86	180	360	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	20.6		10 - 10	66	103%	SPK: 20
2051-24-3	Decachlorobipheny	1	28.8	*	60 - 12	25	144%	SPK: 20

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Client:	P.W. Grosser Consultin	ng		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	FIELDDUP002			SDG No.:		D3945		
Lab Sample ID:	D3945-25			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.02 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u			Test:		PCB	, L	
*	u	L		Injection V	· 1	1		
Extraction Type:				Injection v	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010110.D	1	08/27/12		08/28/12		PF	365378	
	1	00/27/12		00/20/12			000010	
CAS Number	Parameter	00/27/12	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
CAS Number		00/2//12	Conc.		MDL			Units
		00/2//12	Conc. 9		<b>MDL</b> 3.7			
CAS Number TARGETS	Parameter	00/2//12		Qualifier		LOD	LOQ / CRQL	Units ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2	Parameter Aroclor-1016	00/2//12	9	<b>Qualifier</b> U	3.7	<b>LOD</b> 9	<b>LOQ / CRQL</b> 18	ug/Kg
<b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2	Parameter Aroclor-1016 Aroclor-1221	00/2//12	9 9	<b>Qualifier</b> U U	3.7 3.6	<b>LOD</b> 9 9	<b>LOQ / CRQL</b> 18 18	ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232	00/2//12	9 9 9	<b>Qualifier</b> U U U	3.7 3.6 7.9	<b>LOD</b> 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	00/2//12	9 9 9 9	Qualifier U U U U	3.7 3.6 7.9 3.6	<b>LOD</b> 9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg
<b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		9 9 9 9	Qualifier U U U U	3.7 3.6 7.9 3.6 7	<b>LOD</b> 9 9 9 9 9 9	18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	00/2//12	9 9 9 9 9 81	Qualifier U U U U U	3.7 3.6 7.9 3.6 7 1.6	<b>LOD</b> 9 9 9 9 9 9 9	18 18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 9 9 81	Qualifier U U U U U	3.7 3.6 7.9 3.6 7 1.6	9 9 9 9 9 9 9 9 9	18 18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 6315896353

ORDER ID : D3944

**ATTENTION :** Brian Barth







Date : 09/04/2012

Dear Brian Barth,

1 water and 20 soil samples for the Canine Kennel project were received on 08/25/2012. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

CHEIMU	ECH	284	Sheffield Street, (908) 789-8900								ch Pro	oject	Num	ber					
HAIN OF CUSTO			(906) <b>109-8900</b> WWW.C						CO	C Nu	mber								
	ENT INFORMATIC	DN					o congelenderedo)(fa	i deletera pole					BILL	NG	NFO	RMA	ATION		
an da balancari na ana ana da ana ana	t to be sent to		PROJECT NAME: Forme	r Canine I	Kenne	1		ger en e	BILL	Г <b>О</b> : Р.\	W. Gros	ser C	onsultir	g		PO#	# #		
OMPANY: P.W. Grosser (	Consulting		PROJECT #: SHD1201			LOCATION: Wes	t Hampton	3	ADDF	RESS: (	630 Joh	nson	Avenue						
DDRESS: 630 Johnson Av			PROJECT MANAGER: A		od			61 – 11 119 – 119 – 119		Boher						STA	ATE: NY	ZIP: 117	16
CITY: Bohemia	STATE: NY	ZIP: 11716	E-MAIL: andyl@pwgrosse PHONE: (631) 589-6353	er.com		FAX: (631) 589-8	705	i Sectora	1	G 1 1 1 1	1: A. Hui 1) 589-6		- CALLAN	21.25				14550an Az	
HONE: (631) 589-6353	FAX: (631) 589	-8705	PHUNE: (631) 369-0333		(Ce)MPROV	FAA. (031) 309-0	705		PHOI	v⊏, (00	51) 569-0	0303	3623 (A. 195) A	AN	ALY	SIS			
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CHEMTECH SAMPLE ID	PROJE		SAMPLE MATRIX	awoo	GRAB	DATE	TIME	# of Bottles	1	2	3	4	56	7	8	9	C-H2SO13 E-ICE		D-1 F-0
I. Field Blank			- <del>Goil</del> H <sub>2</sub> ()		X	8/23/2012	930	1	X					7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 184 -	1999 (1999) 1999 - 1999 1999 - 1999
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. DS002 (6-12")			Soil		х	8/25/2012	1005	<b>1</b>	X							r r			
. DS003 (6-12")			Soil		Х	8/26/2012	1020	1	X										
. DS005 (0-6")			Soil		Х	8/27/2012	1035	1	X							T		1	
. DS005 (6-12")			Soil		Х	8/28/2012	1040	1	X				1			Т		HOLD	
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LINQUISHED BY	DATE/TIME	RECEIVED FOR LAB B	nameri Karina da serie da serie K	Pa		1 of 5	1. 20 A 1. 20 A 1. 20 A 1.	Overnig	CLIEN ht CHEM			and D Picke	elivered		+ +		Shipr	ment Com	plete → I

Imation           E: NY         ZIP: 11716           (631) 589-8705           INFORMATION	PROJECT NAME: Forr PROJECT #: SHD1201 PROJECT MANAGER: E-MAIL: andyl@pwgros PHONE: (631) 589-635	mer Canine I : A. Lockwo sser.com 53	Kenne	FORMATION					W. Gros 630 Joh	sser Co		g in		PO#	TION	
(631) 589-8705 INFORMATION DAYS* DAYS*	PROJECT #: SHD1201 PROJECT MANAGER: E-MAIL: andyl@pwgrog PHONE: (631) 589-638	I : A. Lockwo sser.com 53		and the second se	st Hampton									PO#	an in a far under Mar	an di marina Managari marina
(631) 589-8705 INFORMATION DAYS* DAYS*	PROJECT MANAGER E-MAIL: andyl@pwgros PHONE: (631) 589-635	A. Lockwo sser.com	od	LOCATION: We	st Hampton	an di Terrende	ADDF	RESS:	630 Joh	nson A	venue					
(631) 589-8705 INFORMATION DAYS* DAYS*	E-MAIL: andyl@pwgros PHONE: (631) 589-635	sser.com 53	od								renue					
(631) 589-8705 INFORMATION DAYS* DAYS*	PHONE: (631) 589-635	53			an an the state			Boher		-				STAT	E: NY	ZIP: 11716
INFORMATION DAYS* DAYS*				FAX: (631) 589-8	3705				I: A. Hu 1) 589-			143 - 1		1.1		anter de la composition de la composit Composition de la composition de la comp
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PROJECT E IDENTIFICATION	SAMPLE MATRIX	awoo	GRAB	DATE	TIME	# of Bottles		2	3	4 5	6	7	8	9	C-H2SO13 E-ICE	F
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	Soil		Х	8/24/2012	1115	1	Х								ŀ	IOLD
	Soil		Х	8/25/2012	1125	1	Х								l te se	
	Soil		Х	8/26/2012	1125	1	X	2.57								
	Soil		X	8/27/2012	1130	1	Х								ŀ	IOLD
	Soil		X	8/28/2012	1135	1	Х					_			ŀ	HOLD
	Soil		X	8/29/2012	1140	1	Х				1 2 				ŀ	HOLD
	Soil		Х	8/30/2012	1150	1	Х									
	Soil		Х	8/31/2012	1155	1	Х	1.12				_			ŀ	HOLD
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	E IDENTIFICATION	E IDENTIFICATION MATRIX Soil Soil Soil Soil Soil Soil Soil Soil	PROJECT E IDENTIFICATION     SAMPLE MATRIX     TYF       Soil     Soil       Soil     Matrix       Soil     Soil       Soil     Soil	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE           %	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLEC           %         %         %         MATRIX         % <td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION           %         %         DATE         TIME           Soil         X         8/23/2012         1110           Soil         X         8/23/2012         1110           Soil         X         8/24/2012         1115           Soil         X         8/25/2012         1125           Soil         X         8/26/2012         1125           Soil         X         8/26/2012         1125           Soil         X         8/26/2012         1130           Soil         X         8/28/2012         1135           Soil         X         8/28/2012         1135           Soil         X         8/29/2012         1140           Soil         X         8/30/2012         1150           Soil         X         8/31/2012         1155           Soil         X         9/1/2012         1200           ODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE         MeOH extraction requires an additiona Comments: HOLD DS004 - DS012 (6-           TIME         RECEIVED BY         3.         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Page2_of_5         Soin	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         and an and a strength of	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image: Sample set of the set o	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         And the second second second se	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         9 9 9 8         E         I         2         3           Soil         X         8/23/2012         1110         1         X         I         2         3           Soil         X         8/23/2012         1110         1         X         I         2         3           Soil         X         8/24/2012         1115         1         X         I	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image: Matrix         Image: Matrix <thimage: mat<="" td=""><td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         9 9 9 9 9 9 9 9 9 9 9 9 9 1         E         I</td><td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         B 0         E         I         <!--</td--><td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta</td><td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2</td><td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image of the second second second seco</td></td></thimage:>	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         9 9 9 9 9 9 9 9 9 9 9 9 9 1         E         I	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         B 0         E         I </td <td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta</td> <td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2</td> <td>PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image of the second second second seco</td>	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image: Collection of the state of the sta	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         2010         1         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1110         1         X         2         3         4         5         6         7         8         9           Soil         X         8/23/2012         1115         1         X         2	PROJECT E IDENTIFICATION         SAMPLE MATRIX         TYPE         COLLECTION         Image of the second second second seco



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	FIELDBLANK			SDG No.:		D3944		
Lab Sample ID:	D3944-01			Matrix:		WATER		
-								
Analytical Method:	SW8082A			% Moisture	9:	100	Decanted:	
Sample Wt/Vol:	970 Units: m	L		Final Vol:		10000	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: 6						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010118.D	1	08/27/12		08/28/12		PE	365394	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		0.26	U	0.099	0.26	0.52	ug/L
11104-28-2	Aroclor-1221		0.26	U	0.196	0.26	0.52	ug/L
11141-16-5	Aroclor-1232		0.26	U	0.155	0.26	0.52	ug/L
53469-21-9	Aroclor-1242		0.26	U	0.092	0.26	0.52	ug/L
12672-29-6	Aroclor-1248		0.26	U	0.247	0.26	0.52	ug/L
11097-69-1	Aroclor-1254		0.26	U	0.045	0.26	0.52	ug/L
11096-82-5	Aroclor-1260		0.26	U	0.084	0.26	0.52	ug/L
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	22.7		35 - 13	7	113%	SPK: 20
2051-24-3	Decachlorobipheny	1	16.9		40 - 13	5	85%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS001(6-12)			SDG No.:		D3944		
Lab Sample ID:	D3944-02			Matrix:		SOIL		
-								
Analytical Method:	SW8082A			% Moisture	e:	17	Decanted:	
Sample Wt/Vol:	30.06 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	_		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010166.D	1	08/27/12		08/29/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		10	U	4.2	10	20	ug/Kg
11104-28-2	Aroclor-1221		10	U	4.1	10	20	ug/Kg
11141-16-5	Aroclor-1232		10	U	9	10	20	ug/Kg
53469-21-9	Aroclor-1242		10	U	4.1	10	20	ug/Kg
12672-29-6	Aroclor-1248		10	U	7.9	10	20	ug/Kg
11097-69-1	Aroclor-1254		430	Е	1.8	10	20	ug/Kg
11096-82-5	Aroclor-1260		10	U	4.9	10	20	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	20.1		10 - 1	66	100%	SPK: 20
2051-24-3	Decachlorobipheny	1	16.7		60 - 1	25	83%	SPK: 20

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Collec	eted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS001(6-12)DL			SDG No.:		D3944		
Lab Sample ID:	D3944-02DL			Matrix:		SOIL		
*				% Moisture		17	Decanted:	
Analytical Method:	SW8082A			% Moisture		1/	Decanted	
Sample Wt/Vol:	30.06 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PC010133.D	2	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		20.5	UD	8.3	20.5	41	ug/Kg
11104-28-2	Aroclor-1221		20.5	UD	8.2	20.5	41	ug/Kg
11141-16-5								/17
	Aroclor-1232		20.5	UD	18	20.5	41	ug/Kg
53469-21-9	Aroclor-1232 Aroclor-1242		20.5 20.5	UD UD	18 8.2	20.5 20.5	41 41	ug/Kg ug/Kg
53469-21-9 12672-29-6								
	Aroclor-1242		20.5	UD	8.2	20.5	41	ug/Kg
12672-29-6	Aroclor-1242 Aroclor-1248		20.5 20.5	UD UD	8.2 16	20.5 20.5	41 41	ug/Kg ug/Kg
12672-29-6 11097-69-1	Aroclor-1242 Aroclor-1248 Aroclor-1254		20.5 20.5 410	UD UD DP	8.2 16 3.6	20.5 20.5 20.5	41 41 41	ug/Kg ug/Kg ug/Kg
12672-29-6 11097-69-1 11096-82-5	Aroclor-1242 Aroclor-1248 Aroclor-1254	ne	20.5 20.5 410	UD UD DP	8.2 16 3.6	20.5 20.5 20.5 20.5	41 41 41	ug/Kg ug/Kg ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting			Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS002(6-12)			SDG No.:		D3944		
Lab Sample ID:	D3944-03			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.03 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uL			Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH :	N/A				-		
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010167.D	1	08/27/12		08/29/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		480	Е	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xylene	2	18.7		10 - 1	66	93%	SPK: 20

U = Not Detected

2051-24-3

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

Decachlorobiphenyl

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
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D = Dilution

15.5

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

60 - 125

78%

SPK: 20



Client:	P.W. Grosser Consult	ing		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS002(6-12)DL			SDG No.:		D3944		
Lab Sample ID:	D3944-03DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.03 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PI	H: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PC010134.D	5	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		45.5	UD	19	45.5	91	ug/Kg
11104-28-2	Aroclor-1221		45.5	UD	18	45.5	91	ug/Kg
11141-16-5	Aroclor-1232		45.5	UD	40	45.5	91	ug/Kg
53469-21-9	Aroclor-1242		45.5	UD	18	45.5	91	ug/Kg
12672-29-6	Aroclor-1248		45.5	UD	35	45.5	91	ug/Kg
11097-69-1	Aroclor-1254		650	D	8	45.5	91	ug/Kg
11096-82-5	Aroclor-1260		45.5	UD	22	45.5	91	ug/Kg
SURROGATES								
977 00 9	TT ( 11 1		15.0		10 - 10	"	76%	SPK: 20
877-09-8	Tetrachloro-m-xyl	lene	15.2		10 - 10	00	/0%0	SPK. 20

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LOD = Limit of Detection

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- P = Indicates > 25% difference for detected
- concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS003(6-12)			SDG No.:		D3944		
Lab Sample ID:	D3944-04			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.06 Units: g	J		Final Vol:		10000	uL	
-							uL	
Soil Aliquot Vol:	l	ıL		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PF	I: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010123.D	1	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		C	a 11 <b>4</b>				
	T ut unicter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS			Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS 12674-11-2	Aroclor-1016		9	<b>Qualifier</b> U	MDL 3.6	9 200	LOQ / CRQL	Units ug/Kg
12674-11-2	Aroclor-1016		9	U	3.6	9	18	ug/Kg
12674-11-2 11104-28-2	Aroclor-1016 Aroclor-1221		9 9	U U	3.6 3.6	9 9	18 18	ug/Kg ug/Kg
12674-11-2 11104-28-2 11141-16-5	Aroclor-1016 Aroclor-1221 Aroclor-1232		9 9 9	U U U	3.6 3.6 7.8	9 9 9	18 18 18	ug/Kg ug/Kg ug/Kg
12674-11-2 11104-28-2 11141-16-5 53469-21-9	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242		9 9 9 9	U U U U	3.6 3.6 7.8 3.6	9 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		9 9 9 9 9	U U U U U	3.6 3.6 7.8 3.6 6.9	9 9 9 9 9	18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		9 9 9 9 9 9	U U U U U U	3.6 3.6 7.8 3.6 6.9 1.6	9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	ene	9 9 9 9 9 9	U U U U U U	3.6 3.6 7.8 3.6 6.9 1.6	9 9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

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concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	5		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS005(0-6)			SDG No.:		D3944		
Lab Sample ID:	D3944-05			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.1 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uL			Test:		РСВ		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH :	N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010179.D	1	08/27/12		08/30/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7	9	18	ug/Kg
11097-69-1	Aroclor-1254		2700	Е	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xylen	e	19.7		10 - 1	66	98%	SPK: 2

U = Not Detected

2051-24-3

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

Decachlorobiphenyl

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

15.8

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

60 - 125

79%

SPK: 20



11104-28-2Aroclor-122190UD369018011141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180									
Client Sample ID:       DS005(0-6)DL       SDG No.:       D3944         Lab Sample ID:       D3944-05DL       Matrix:       SOIL         Analytical Method:       SW8082A       % Moisture:       6       Decanted:         Sample Wt/Vol:       30.1       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       1.0       PH : N/A       1       Prep Batch ID         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC010135.D       10       08/27/12       08/28/12       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ/CRQL         TARGETS       Arcolor-1016       90       UD       37       90       180         11141-16-5       Arcolor-1232       90       UD       79       90       180         1141-16-5       Arcolor-1242       90       UD       36       90       180         11097-69-1       Arcolor-1244       90       UD       70       90       180			08/23/12	ted:	Date Collec			W. Grosser Consulting	Client:
Lab Sample ID:       D3944-05DL       Matrix:       SOIL         Analytical Method:       SW8082A       % Moisture:       6       Decanted:         Sample Wt/Vol:       30.1       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       1.0       PH : N/A       N/A         File ID/Qe Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC010135.D       10       08/27/12       08/28/12       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ/CRQL         TARGETS       11104-28-2       Arcolor-1221       90       UD       36       90       180         11141-16-5       Arcolor-1232       90       UD       36       90       180         53469-21-9       Arcolor-1242       90       UD       36       90       180         12672-29-6       Arcolor-1254       3300       D       16       90       180			08/25/12	ved:	Date Receiv			nine Kennel	Project:
Analytical Method:       SW8082A       % Moisture:       6       Decanted:         Sample Wt/Vol:       30.1       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB       Injection Volume       1         GPC Factor :       1.0       PH : N/A       Injection Volume       1         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC010135.D       10       08/27/12       08/28/12       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL         TARGETS       1104-28-2       Arcolor-1016       90       UD       37       90       180         11104-28-2       Arcolor-1221       90       UD       36       90       180         11104-28-2       Arcolor-1242       90       UD       36       90       180         53469-21-9       Arcolor-1242       90       UD       36       90       180         12672-29-6       Arcolor-1248       90       UD       70       90       180         1097-69-1       Arcolor-1254       3300       D			D3944		SDG No.:			6005(0-6)DL	Client Sample ID:
Yet       30.1       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       Injection Volume       1         GPC Factor :       1.0       PH : N/A       Prep Batch ID         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC010135.D       10       08/27/12       08/28/12       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL         TARGETS       11104-28-2       Aroclor-1016       90       UD       37       90       180         11104-28-2       Aroclor-1221       90       UD       36       90       180         53469-21-9       Aroclor-1242       90       UD       36       90       180         12672-29-6       Aroclor-1248       90       UD       70       90       180         11097-69-1       Aroclor-1254       3300       D       16       90       180			SOIL		Matrix:			944-05DL	Lab Sample ID:
Yet       30.1       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       Injection Volume       1         GPC Factor :       1.0       PH : N/A       Prep Date       Date Analyzed       Prep Batch ID         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL         TARGETS       1104-28-2       Aroclor-1016       90       UD       37       90       180         11104-28-2       Aroclor-1221       90       UD       36       90       180         53469-21-9       Aroclor-1242       90       UD       36       90       180         12672-29-6       Aroclor-1248       90       UD       70       90       180         1097-69-1       Aroclor-1254       3300       D       16       90       180		Decanted <sup>.</sup>	6		% Moisture			V8082A	•
Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       1.0       PH: N/A       1         GPC Factor :       1.0       PH: N/A $Prep Date$ $Date Analyzet$ $Prep Batch ID$ File ID/Qc Batch:       Dilution:       Prep Date $Date Analyzet$ $Prep Batch ID$ PC010135.D       10       08/27/12       08/28/12 $PBe5378$ Conc.       Qualifier       MDL       LOD       LOQ / CRQL         TARGETS       110       90       UD       37       90       180         11104-28-2       Aroclor-1016       90       UD       36       90       180         11141-16-5       Aroclor-1232       90       UD       36       90       180         53469-21-9       Aroclor-1242       90       UD       36       90       180         12672-29-6       Aroclor-1248       90       UD       70       90       180         1097-69-1       Aroclor-1254       3300       D       16       90       180				•					-
And Control of the second system of the		uL	10000		Final Vol:			.I Units: g	Sample Wt/Vol:
GPC Factor :       1.0       PH : N/A         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC010135.D       10       08/27/12       08/28/12       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL         TARGETS			PCB		Test:			uL	Soil Aliquot Vol:
File ID/Qc Batch:Dilution:Prep DateDate AnalyzedPrep Batch IDPC010135.D10 $08/27/12$ $08/28/12$ PB65378CAS NumberParameterConc.QualifierMDLLODLOQ / CRQLTARGETS12674-11-2Aroclor-101690UD379018011104-28-2Aroclor-122190UD369018011141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180			1	olume	Injection V				Extraction Type:
PC010135.D       10       08/27/12       08/28/12       PB65378         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL         TARGETS       12674-11-2       Aroclor-1016       90       UD       37       90       180         11104-28-2       Aroclor-1221       90       UD       36       90       180         11141-16-5       Aroclor-1232       90       UD       79       90       180         53469-21-9       Aroclor-1242       90       UD       36       90       180         12672-29-6       Aroclor-1248       90       UD       70       90       180         11097-69-1       Aroclor-1254       3300       D       16       90       180							N/A	) PH :	GPC Factor :
CAS NumberParameterConc.QualifierMDLLODLOQ / CRQLTARGETS12674-11-2Aroclor-101690UD379018011104-28-2Aroclor-122190UD369018011141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180		ep Batch ID	Pre	ed	Date Analyze		Prep Date	lution:	File ID/Qc Batch:
TARGETS12674-11-2Aroclor-101690UD379018011104-28-2Aroclor-122190UD369018011141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180		65378	PBe		08/28/12		08/27/12		PC010135.D
12674-11-2Aroclor-101690UD379018011104-28-2Aroclor-122190UD369018011141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180	Units	LOQ / CRQL	LOD	MDL	Qualifier	Conc.		Parameter	CAS Number
12674-11-2Aroclor-101690UD379018011104-28-2Aroclor-122190UD369018011141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180									TARGETS
11141-16-5Aroclor-123290UD799018053469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180	ug/Kg	180	90	37	UD	90		Aroclor-1016	12674-11-2
53469-21-9Aroclor-124290UD369018012672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180	ug/Kg	180	90	36	UD	90		Aroclor-1221	11104-28-2
12672-29-6Aroclor-124890UD709018011097-69-1Aroclor-12543300D1690180	ug/Kg	180	90	79	UD	90		Aroclor-1232	11141-16-5
11097-69-1 Aroclor-1254 3300 D 16 90 180	ug/Kg	180	90	36	UD	90		Aroclor-1242	53469-21-9
	ug/Kg	180	90	70	UD	90		Aroclor-1248	12672-29-6
11096-82-5 Aroclor-1260 90 UD 44 90 180	ug/Kg	180	90	16	D	3300		Aroclor-1254	11097-69-1
	ug/Kg	180	90	44	UD	90		Aroclor-1260	11096-82-5
SURROGATES									SURROGATES
877-09-8 Tetrachloro-m-xylene 12.9 10 - 166 65%	SPK: 2	65%	66	10 - 16		12.9		Fetrachloro-m-xylene	877-09-8
2051-24-3Decachlorobiphenyl16.560 - 12583%	SPK: 2	83%	25	60 - 12		16.5		Decachlorobiphenyl	2051-24-3

U = Not Detected

- LOQ = Limit of Quantitation
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- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultir	ıg		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS008(0-6)			SDG No.:		D3944		
Lab Sample ID:	D3944-09			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.01 Units: g			Final Vol:		10000	uL	
-	u			Test:		PCB	uL	
Soil Aliquot Vol:	u	L						
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010180.D	1	08/27/12		08/30/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	6.9	9	18	ug/Kg
11097-69-1	Aroclor-1254		2100	Е	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.3	9	18	ug/Kg
SURROGATES								
SURROGATES 877-09-8	Tetrachloro-m-xyle	ne	18.4		10 - 1	66	92%	SPK: 20

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MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	ng		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS008(0-6)DL			SDG No.:		D3944		
Lab Sample ID:	D3944-09DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.01 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH	: <b>N/A</b>						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010136.D	10	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		90	UD	37	90	180	ug/Kg
11104-28-2	Aroclor-1221		90	UD	36	90	180	ug/Kg
11141-16-5	Aroclor-1232		90	UD	79	90	180	ug/Kg
53469-21-9	Aroclor-1242		90	UD	36	90	180	ug/Kg
12672-29-6	Aroclor-1248		90	UD	69	90	180	ug/Kg
11097-69-1	Aroclor-1254		3100	D	16	90	180	ug/Kg
11096-82-5	Aroclor-1260		90	UD	43	90	180	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	13.5		10 - 1	66	68%	SPK: 20
2051-24-3	Decachlorobipheny	/l	17.7		60 - 12	25	89%	SPK: 20

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MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates > 25% difference for detected

concentrations between the two GC columns

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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	ng		Date Colle	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS009(0-6)			SDG No.:		D3944		
Lab Sample ID:	D3944-13			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.05 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	e	L		Test:		PCB		
Extraction Type:	-	_		Injection V	olume	1		
GPC Factor :	1.0 PH	: <b>N/A</b>			oranie	-		
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010181.D	1	08/27/12		08/30/12		PF	365378	
10010101.2	1	00/27/12		00/00/12			000010	
CAS Number	Parameter	00/27/12	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
CAS Number		00/2//12	Conc.		MDL			Units
		00/2//12	Conc. 9	Qualifier	<b>MDL</b> 3.6	LOD		
CAS Number TARGETS 12674-11-2	Parameter	00/2//12					LOQ / CRQL	Units ug/Kg ug/Kg
CAS Number TARGETS	Parameter Aroclor-1016	00/2//12	9	<b>Qualifier</b> U	3.6	<b>LOD</b> 9	<b>LOQ / CRQL</b> 18	ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2	Parameter Aroclor-1016 Aroclor-1221	00/2//12	9 9	<b>Qualifier</b> U U	3.6 3.6	<b>LOD</b> 9 9	<b>LOQ / CRQL</b> 18 18	ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232	00/2//12	9 9 9	<b>Qualifier</b> U U U	3.6 3.6 7.9	<b>LOD</b> 9 9 9	18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	00/2//12	9 9 9 9	Qualifier U U U U	3.6 3.6 7.9 3.6	<b>LOD</b> 9 9 9 9 9	18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	00/2//12	9 9 9 9 9	Qualifier U U U U U U	3.6 3.6 7.9 3.6 6.9	<b>LOD</b> 9 9 9 9 9 9	18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	ParameterAroclor-1016Aroclor-1221Aroclor-1232Aroclor-1242Aroclor-1248Aroclor-1254		9 9 9 9 9 9 730	Qualifier U U U U U E	3.6 3.6 7.9 3.6 6.9 1.6	9 9 9 9 9 9 9 9	18 18 18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	ParameterAroclor-1016Aroclor-1221Aroclor-1232Aroclor-1242Aroclor-1248Aroclor-1254		9 9 9 9 9 9 730	Qualifier U U U U U E	3.6 3.6 7.9 3.6 6.9 1.6	9 9 9 9 9 9 9 9 9	18 18 18 18 18 18 18 18 18	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

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concentrations between the two GC columns

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- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	5		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS009(0-6)DL			SDG No.:		D3944		
Lab Sample ID:	D3944-13DL			Matrix:		SOIL		
							Deserves	
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.05 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uL	,		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 PH :	N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010137.D	5	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		44.5	UD	18	44.5	89	ug/Kg
11104-28-2	Aroclor-1221		44.5	UD	18	44.5	89	ug/Kg
11141-16-5	Aroclor-1232		44.5	UD	39	44.5	89	ug/Kg
53469-21-9	Aroclor-1242		44.5	UD	18	44.5	89	ug/Kg
12672-29-6	Aroclor-1248		44.5	UD	35	44.5	89	ug/Kg
11097-69-1	Aroclor-1254		810	D	7.8	44.5	89	ug/Kg
11096-82-5	Aroclor-1260		44.5	UD	22	44.5	89	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	10	15		10 - 10	66	75%	SPK: 20
	Tetracinoro-m-xyler	ic	15		10 - 10	00	1370	SFK. 20

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concentrations between the two GC columns

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 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consult	ing		Date Collec	cted:	08/23/12		
Project:	Canine Kennel			Date Recei	ved:	08/25/12		
Client Sample ID:	DS010(0-6)			SDG No.:		D3944		
Lab Sample ID:	D3944-19			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.01 Units:	g		Final Vol:		10000	uL	
-							uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume	1		
GPC Factor :	1.0 P.	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC010124.D	1	08/27/12		08/28/12		PE	365378	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	6.9	9	18	ug/Kg
11097-69-1	Aroclor-1254		9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.3	9	18	ug/Kg
SURROGATES								
SURROGATES 877-09-8	Tetrachloro-m-xy	lene	18.4		10 - 1	66	92%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

# APPENDIX C LABORATORY ANALYTICAL REPORTS (ENDPOINT SAMPLING)



# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 631-589-6353

ORDER ID : D4787 ATTENTION : Andy Lockwood







Date : 11/13/2012

Dear Andy Lockwood,

**1** water and **7** soil samples for the **Canine Kennel** project were received on **11/12/2012**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

	CLIENT INFORMATION			LIENT P	ROJECT INF	ORMA	TION					CLIENT	BILLIN	G INFORM	
	REPORT TO BE SENT TO:				Conine				BILL	· <b>^.</b>	2	ame	45		PO#:
COMPANY:		PROJECT N	e ale a c	ta di kacila	ang pang tang tang tang tang tang tang tang t		1	hunder			0	linn	Lir	Da	
ADDRESS:	630 Johnson Ave	· 문서 🖥 관리하는 것은 것 같아요.						Beach	N	200:	<u> </u>	11-01-1	1_11	[ <u>1</u> 0_	
	Bohemia STATE: NY ZIP:1176	2. 2. 2. <b>28</b> 8 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.		· · · · · · · · · · · · · · · · · · ·		<b>~</b>	S. 19 10 1					민준민		STATE:	<u>ZIP:</u>
TTENTION:	A. Lockwood	<u>e-mail:</u> ()	may	lepu	ndrozz	<u>er . (</u>	CONT		ATTE	NTION:			ANAL	PHONE:	
	-589-6353 FAX: 631-589-870	PHONE:		me	FA RABLE INF		ane				7		$\overline{}$	/	/ / /
	DATA TURNAROUND INFORMATION								JO -	Y/	/ /				/~/^ /
AX: ARD COPY: _		DEVEL 1: D LEVEL 2:	Resulte Results	s <del>only</del> s + QC	AL II	tners <u>/</u> {2_	751 2		Y,	/ /	/ /	/ /	/ /	/ /	
DD:	DAYS *	D LEVEL 3:	Results	s (plus re	esults raw d	ata) +	QC	60%					/	/ /	
		LEVEL 4:		s + QC (a	il raw data)		<b>1</b>	$\frac{1}{2}$	3 4	5	6	/7	8	/9/	Zer Start - Statistic transfer
STANDARD T	URNAROUND TIME IS 10 BUSINESS DAYS				MPLE	s			PRE	SERVA	TIVES				COMMENTS
CHEMTECH	PROJECT		MPLE YPE		ECTION	OF BOTTLES	4					1.288		•	- Specify Preserva A-HCI B-HN
SAMPLE ID	SAMPLE IDENTIFICATION	MATRIX	GRAB	DATE	TIME	OF BC		2 3	3 4	5	6	7.1	8	9	C-H₂SO₄ D-Na E-ICE F-Ott
	Field Blank-001	W	V	11912	1300	*	X								
an Marina da tarina da Marina		S	N	<u>117-176</u>	1328		$\overline{\Diamond}$			·	<u> </u>				
	<u>EP-002(CA)</u>		X		1315	1	5			+					
	EP-017	- J S	X			1					<b> </b>				
	EP-016	<u> </u>	+		1321		X								
	<u>EP-015</u>		1X		1326										a secondaria. A secondaria de la seconda
	EP-014		$ \chi $		1350					-		·		·	
	EP-013	Ŝ	X	····.	1445		$\mathcal{D}$								
	EP-012	S	0	V	1455	)	$\left  \chi \right $								
								-							
).															
	SAMPLE CUSTODY MUST BE D		FLOW	FACH T	IME SAMP	LES C	HANGE	POSSES	SION INC		COUF	RIER DE		<u></u>	
	SAMPLE CUSIODT MUSI BE D	OCOMENTED D													er Temp. S



Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	11/09/12		
Project:	Canine Kennel			Date Receiv	ved:	11/12/12		
Client Sample ID:	FIELDBLANK-001			SDG No.:		D4787		
Lab Sample ID:	D4787-01			Matrix:		WATER		
Analytical Method:	SW8082A			% Moisture		100	Decanted:	
2								
Sample Wt/Vol:	1000 Units: 1	mL		Final Vol:		10000	uL	
Soil Aliquot Vol:	1	uL		Test:		PCB		
Extraction Type:				Injection Ve	olume :	1		
GPC Factor :	1.0 PH	H: 5						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
The ID/QC Batch.	Dilution.	Thep Dute		2			-	
PO005172.D	1	11/12/12		11/12/12			366772	
		•	Conc.	2	MDL		366772 LOQ / CRQL	Units
PO005172.D CAS Number	1	•	Conc.	11/12/12		PE		Units
PO005172.D	1	•	<b>Conc.</b> 0.25	11/12/12		PE		Units ug/L
PO005172.D CAS Number TARGETS	1 Parameter	•		11/12/12 Qualifier	MDL	PE LOD	LOQ / CRQL	
PO005172.D CAS Number TARGETS 12674-11-2	1 Parameter Aroclor-1016	•	0.25	11/12/12 Qualifier U	<b>MDL</b> 0.096	PE LOD 0.25	<b>LOQ / CRQL</b> 0.5	ug/L
PO005172.D CAS Number TARGETS 12674-11-2 11104-28-2	1 Parameter Aroclor-1016 Aroclor-1221	•	0.25 0.25	11/12/12 Qualifier U U	<b>MDL</b> 0.096 0.19	PE LOD 0.25 0.25	LOQ / CRQL 0.5 0.5	ug/L ug/L
PO005172.D CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232	•	0.25 0.25 0.25	U U U U U U	<b>MDL</b> 0.096 0.19 0.15	PE LOD 0.25 0.25 0.25	0.5 0.5 0.5	ug/L ug/L ug/L
PO005172.D <b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242	•	0.25 0.25 0.25 0.25	11/12/12 Qualifier U U U U U U	MDL 0.096 0.19 0.15 0.089	PE LOD 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L
PO005172.D <b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248	•	0.25 0.25 0.25 0.25 0.25	11/12/12 Qualifier U U U U U U U U	MDL 0.096 0.19 0.15 0.089 0.24	PE LOD 0.25 0.25 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L ug/L
PO005172.D CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	•	0.25 0.25 0.25 0.25 0.25 0.25 0.25	11/12/12 Qualifier U U U U U U U U U U	MDL 0.096 0.19 0.15 0.089 0.24 0.044	PE LOD 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L ug/L ug/L
PO005172.D <b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	11/12/12	0.25 0.25 0.25 0.25 0.25 0.25 0.25	11/12/12 Qualifier U U U U U U U U U U	MDL 0.096 0.19 0.15 0.089 0.24 0.044	PE LOD 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L ug/L ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	FIELDBLANK-001R	Е		SDG No.:		D4787		
Lab Sample ID:	D4787-01RE			Matrix:		WATER		
Analytical Method:	SW8082A			% Moisture		100	Decanted:	
Allarytical Method.	3 W 0002A			76 Ivioisture	5.	100	Decanteu.	
Sample Wt/Vol:	1000 Units:	mL		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PI	H: 5						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
The IB/ Qe Buten.		r =		5				
PO005193.D	1	11/12/12		11/13/12		PE	366772	
			Conc.	11/13/12 Qualifier	MDL	PE LOD	366772 LOQ / CRQL	Units
PO005193.D CAS Number	1		Conc.					Units
PO005193.D	1		<b>Conc.</b> 0.25					Units ug/L
PO005193.D CAS Number TARGETS	l Parameter			Qualifier	MDL	LOD	LOQ / CRQL	
PO005193.D CAS Number TARGETS 12674-11-2	1 Parameter Aroclor-1016		0.25	<b>Qualifier</b> U	<b>MDL</b> 0.096	LOD 0.25	<b>LOQ / CRQL</b> 0.5	ug/L
PO005193.D CAS Number TARGETS 12674-11-2 11104-28-2	1 Parameter Aroclor-1016 Aroclor-1221		0.25 0.25	<b>Qualifier</b> U U	<b>MDL</b> 0.096 0.19	LOD 0.25 0.25	LOQ / CRQL 0.5 0.5	ug/L ug/L
PO005193.D CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232		0.25 0.25 0.25	<b>Qualifier</b> U U U	MDL 0.096 0.19 0.15	LOD 0.25 0.25 0.25	0.5 0.5 0.5	ug/L ug/L ug/L
PO005193.D <b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242		0.25 0.25 0.25 0.25	Qualifier U U U U U	MDL 0.096 0.19 0.15 0.089	LOD 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L
PO005193.D CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		0.25 0.25 0.25 0.25 0.25 0.25	Qualifier U U U U U U	MDL 0.096 0.19 0.15 0.089 0.24	LOD 0.25 0.25 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L ug/L
PO005193.D CAS Number TARGETS 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		0.25 0.25 0.25 0.25 0.25 0.25 0.25	Qualifier U U U U U U U	MDL 0.096 0.19 0.15 0.089 0.24 0.044	LOD 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L ug/L ug/L
PO005193.D <b>CAS Number</b> <b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	1 Parameter Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	11/12/12	0.25 0.25 0.25 0.25 0.25 0.25 0.25	Qualifier U U U U U U U	MDL 0.096 0.19 0.15 0.089 0.24 0.044	LOD 0.25 0.25 0.25 0.25 0.25 0.25 0.25	0.5 0.5 0.5 0.5 0.5 0.5 0.5	ug/L ug/L ug/L ug/L ug/L ug/L

U = Not Detected

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LOD = Limit of Detection

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concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulti	ng		Date Colle	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-002(CA)			SDG No.:		D4787		
Lab Sample ID:	D4787-02			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	5	Decanted:	
Sample Wt/Vol:	30.07 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PI	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pre	ep Batch ID	
PO005173.D	1	11/12/12		11/12/12		PE	866780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.6	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	6.9	9	18	ug/Kg
11097-69-1	Aroclor-1254		140		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.3	9	18	ug/Kg
SURROGATES								
077 00 0					10 1	· (	1050/	CDIZ 20
877-09-8	Tetrachloro-m-xyl	ene	20.9		10 - 16	50	105%	SPK: 20

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- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	ıg		Date Colle	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-017			SDG No.:		D4787		
Lab Sample ID:	D4787-03			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	4	Decanted:	
Sample Wt/Vol:	30.1 Units: g	5		Final Vol:		10000	uL	
Soil Aliquot Vol:		L		Test:		РСВ		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	I: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005174.D	1	11/12/12		11/12/12		PE	366780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.6	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.5	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.5	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	6.8	9	18	ug/Kg
11097-69-1	Aroclor-1254		290		1.5	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.3	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	20.7		10 - 1	66	104%	SPK: 20
2051-24-3	Decachlorobipheny	7	18		60 - 1	25	90%	SPK: 20

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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

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Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-016			SDG No.:		D4787		
Lab Sample ID:	D4787-04			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	8	Decanted:	
Sample Wt/Vol:	30.05 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PI	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PO005175.D	1	11/12/12		11/12/12		PE	366780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254		130		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
SURROGATES 877-09-8	Tetrachloro-m-xyl	ene	20.4		10 - 10	66	102%	SPK: 20

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 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-015			SDG No.:		D4787		
Lab Sample ID:	D4787-05			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	8	Decanted:	
Sample Wt/Vol:	30.12 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:		L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005176.D	1	11/12/12		11/12/12		PE	366780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		17	J	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	20.8		10 - 1	66	104%	SPK: 20
2051-24-3	Decachlorobipheny	/1	16.8		60 - 1	25	84%	SPK: 20

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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-014			SDG No.:		D4787		
Lab Sample ID:	D4787-06			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	8	Decanted:	
Sample Wt/Vol:	30.01 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005177.D	1	11/12/12		11/12/12		PE	366780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254		9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	19		10 - 1	66	95%	SPK: 20
2051-24-3	Decachlorobipheny	1	13.6		60 - 12	25	68%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	3		Date Colle	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-013			SDG No.:		D4787		
Lab Sample ID:	D4787-07			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul			Test:		РСВ		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005178.D	1	11/12/12		11/12/12		PE	366780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	18.8		10 - 1	66	94%	SPK: 20
2051-24-3	Decachlorobipheny	l	13.4		60 - 1	25	67%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting			Date Colle	cted:	11/09/12		
Project:	Canine Kennel			Date Recei	ved:	11/12/12		
Client Sample ID:	EP-012			SDG No.:		D4787		
Lab Sample ID:	D4787-08			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005179.D	1	11/12/12		11/12/12		PE	366780	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	19.8		10 - 1	66	99%	SPK: 20
2051-24-3	Decachlorobipheny	1	14.6		60 - 1	25	73%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 631-589-6353

ORDER ID : D4831 ATTENTION : Andy Lockwood







Date : 11/16/2012

Dear Andy Lockwood,

**1** water and **11** soil samples for the **Canine Kennel** project were received on **11/15/2012**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

The invoice for this workorder is also attached to the e-mail.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

	<b>DITECH</b> 284 S CUSTODY RECORD	Sheffield Stre (908) 789-89( www	00 Fa	ountain x (908) ntech.n	789	, NJ 07 )-8922	7092			G	QUOTE	NO.		г NO. 5194
	CLIENT INFORMATION		CLIENT	PROJECT IN	FORM	ATION								
COMPANY:	PLASE OF TO BE SENT TO:		Δ	•	×/	J.					CLIEN		ING INF	ORMATION
		PROJECT NAME	· ·	nine		and and a design of the second se		BILL	<u>ro:</u>		2AM	EA	<u>S</u>	PO#:
ADDRESS:	030 Johnson Ave.	PROJECT NO .: S	HDIY	<u>) loca</u>	TION:	W.Ha	mpton	ADDR	ESS:	(	MP	int	1 1	FO
	DAPAILA STATE: MZIP: 11716		GER:	Andy_	Lory	word	blach	CITY:				1	STA	TE. 710
ATTENTION:	A Lockwood / K. Rubin	e-mail: andy	Lo ou	DATASSE	х.С.	$\overline{\mathbf{n}}$			NTION:					
PHONE: 63	-589-6353 FAX: 631-589-8705	noistene	2@ phi	grasse	nc	and -			VIION.			AN	PHO ALYSIS	
	DATA TURNAROUND INFORMATION	PHONE: SH	INE .	RABLE IN	AX:	SAME			_/	/			7	1111
FAX:	DAYS *	LEVEL 1: Resul			Others			2000	Y /					
HARD COPY: _ EDD:		LEVEL 2: Resul	ts + QC					Ø		/ /				
	ED TAT: I YES INO	LEVEL 3: Resul	ts_(plus_re ts_+_OC_(a	esults raw o	lata) +	QC	003							
	URNAROUND TIME IS 10 BUSINESS DAYS	□ EDD Format: _				1	$\frac{1}{2}$	4	5	6	1	8	9	
СНЕМТЕСН		SAMPLE		MPLE	ES			PRES	SERVA	TIVES				COMMENTS
SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE TYPE		ECTION	OF BOTTLES	E								← Specify Preservatives A-HCI B-HNO <sub>3</sub>
		MATRIX A BE	DATE	TIME	# OF	1	2 3	4	5	6	7	8	9	C−H₂SO₄ D−NaOH E−ICE F−Other
1.	EP-COI	SX	ulali	2 1325	Γ	$\mathbf{X}$								102 1 Oliver
2.	EP+002			1315	1	X						<u> </u>		
3.	EPOOS			1255		X		1					<u> </u>	NUSDEC
4.	EPOCH EPOCS			1250		$\dot{\mathbf{x}}$								ASP B
5.	FPOOL			1240		X								
6.	FDMI			1	+			+						
7.	EP008			1235										
8.				1230	+	$\Delta$		<u> </u>						
9.	<u>EP009</u>			1220		$\sum_{i=1}^{N}$		ļ						
	EPOIO			1215		XL								
10.	EPOIL		V	1206	$\overline{\Lambda}$	X								
RELINQUISHED BY SA 1. K.U.J. RELINQUISHED BY: 2.	APPLE CUSTODY MUST BE DOC MPLER: DATE/TIME: RECEIVED BY: 11/1/1/2 0/00 1 DATE/TIME: BECEIVED BY: 2.	JMENTED BELOW	Conditi MeOl	ME SAMPL ons of bottle d extraction ments:	s or co	olers at rec	eiot: X	Comoli	ant		ER DE		Coc	bler Temp. $5^{2}$ ( in Cooler?: $\gamma$
RELINQUISHED BY: 3. VPS	DATE/TIME: QSS RECEIVED FOR LAB I	3Y:	Page		of	2	SHIPPED	VIA: CLIE	ENT: [			RED 2		/ NIGHT Shipment Complete: GHT I YES I NO

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	CLIENT INFORMATION			LIENT PR	OJECT INF	ORMA	TION		ante estado	ير ، ، ، ، بر	ang ang sang sang sang sang sang sang sa		CLIENT	BILLIN	g infor	RMATION
COMPANY:	PWGC	PROJECT	NAME:	Car	line_	Ke	nnl	]		BILL TO	):	(	SAW	IE_	AS	PO#:
ADDRESS .	130 bhinson Ave.	PROJECT	NO.SI	10120	LOCAT	ION:	J.Ha	mpt	1	ADDRE	SS:	CL	ler	1+		
	eMig STATE: NU ZIP: 11716	PROJECT	MANAG	ER: AN	hylad	uc	$d_{-}$			CITY:	·····			nfc	STATE	E: ZIP:
	A Lockwood /K. Rubinio	e-mail:an			1					ATTEN	TION:				PHON	E:
PHONE: 13-	529-6353 FAX:631-589-8705	- E - '	, g	•			TION				/	/				
FAX: HARD COPY: _ EDD: PREAPPROVE	DAYS · DAYS · DAYS · DAYS · DAYS ·	LEVEL 1 LEVEL 2 LEVEL 3	: Result : Result : Result : Result	s only s + QC s (plus res	נו O sults raw c	thers_ ata) +		200	2460	Le A	5	6	/	8	9	
* STANDARD T	URNAROUND TIME IS 10 BUSINESS DAYS	EDD For					in the second second			PRES	ERVA	TIVES			1	COMMENTS
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE	AMPLE TYPE dw 89 89 89 89 89	SAM COLLE DATE		# OF BOTTLES	€ 1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCI B-HNO₃ C-H₂SO₄ D-NaOH E-ICE F-Other
1.	Field Blank-002	W		11/12/12	1830	Ì	X									(R) Need
2.	EPOIS	S	X	11/13/12	1	1	-									NYSDEC
3.	<b>L</b>		Ĺ		•				 	ļ						ASPB
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9.							<u>  </u>		ļ	<u> </u>						
10.												CO119			 8 <b>Y</b>	
RELINQUISHED BY 1. KKU RELINQUISHED BY 2.	II         IU         I2         GP105         1:           Date/TIME:         RECEIVED BY:         2.		BELOV	Condit MeO	ME SAMF ions of bot H extraction ments:	les or i	coolers a	at receip additio	1: 2 nal 4 62	G Comp jar for	liant percent	□ t solid.	Non Co	mpliant		e in Cooler?:
3. (JPS	DATE/TIME: QSS RECEIVED FOR L	AB BY:		Page	7	of_	$\mathcal{F}$	s	HIPPED	VIA: CL Cł	IENT: IEMTEC	□ HAN >H: □	d deli\ Picked	VERED	POVERN	



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP001			SDG No.:		d4831		
Lab Sample ID:	D4831-01			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	9	Decanted:	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u			Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PO005243.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9.5	U	3.8	9.5	19	ug/Kg
11104-28-2	Aroclor-1221		9.5	U	3.7	9.5	19	ug/Kg
11141-16-5	Aroclor-1232		9.5	U	8.2	9.5	19	ug/Kg
53469-21-9	Aroclor-1242		9.5	U	3.7	9.5	19	ug/Kg
12672-29-6	Aroclor-1248		9.5	U	7.2	9.5	19	ug/Kg
11097-69-1	Aroclor-1254		1500	Е	1.6	9.5	19	ug/Kg
11096-82-5	Aroclor-1260		9.5	U	4.5	9.5	19	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	20.9		10 - 10	66	104%	SPK: 20
2051-24-3	Decachlorobipheny	71	16.6		60 - 12	25	83%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	ng		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP001DL			SDG No.:		d4831		
Lab Sample ID:	D4831-01DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	9	Decanted:	
Sample Wt/Vol:	30.07 Units: g	2		Final Vol:		10000	uL	
Soil Aliquot Vol:		ıL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pre	ep Batch ID	
PO005266.D	10	11/15/12		11/16/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		95	UD	38	95	190	ug/Kg
11104-28-2	Aroclor-1221		95	UD	37	95	190	ug/Kg
11141-16-5	Aroclor-1232		95	UD	82	95	190	ug/Kg
53469-21-9	Aroclor-1242		95	UD	37	95	190	ug/Kg
12672-29-6	Aroclor-1248		95	UD	72	95	190	ug/Kg
11097-69-1	Aroclor-1254		1200	D	16	95	190	ug/Kg
11096-82-5	Aroclor-1260		95	UD	45	95	190	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyl	ene	17.8		10 - 16	56	89%	SPK: 20
2051-24-3								

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LOD = Limit of Detection

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concentrations between the two GC columns

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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP002			SDG No.:		d4831		
Lab Sample ID:	D4831-02			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.05 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005244.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7	9	18	ug/Kg
11097-69-1	Aroclor-1254		100		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	20.7		10 - 10	66	104%	SPK: 20
2051-24-3	Decachlorobipheny	-1	16.6		60 - 12	25	83%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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concentrations between the two GC columns

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- J = Estimated Value
- B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	5		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP003			SDG No.:		d4831		
Lab Sample ID:	D4831-03			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	8	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 РН	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005245.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		220		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	22		10 - 10	66	110%	SPK: 20
2051-24-3	Decachlorobipheny	1	18.3		60 - 12	25	91%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	g		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP005			SDG No.:		d4831		
Lab Sample ID:	D4831-04			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	8	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005246.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254		73		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	21		10 - 10	66	105%	SPK: 20
2051-24-3	Decachlorobipheny	1	16.9		60 - 12	25	84%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client: P.W. Grosser Consulting Date Collected: 11/12/12		
Project: Canine Kennel Date Received: 11/15/12		
Client Sample ID: EP006 SDG No.: d4831		
Lab Sample ID: D4831-05 Matrix: SOIL		
Analytical Method: SW8082A % Moisture: 9	Decanted:	
Sample Wt/Vol: 30.01 Units: g Final Vol: 10000	uL	
Soil Aliquot Vol: uL Test: PCB		
Extraction Type: Injection Volume : 1		
GPC Factor : 1.0 PH : N/A		
File ID/Qc Batch:Dilution:Prep DateDate AnalyzedPrep	ep Batch ID	
	ep Batch ID 866849	
		Units
PO005247.D111/15/1211/15/12PBCAS NumberParameterConc.QualifierMDLLOD	866849	Units
PO005247.D 1 11/15/12 PB	866849	Units ug/Kg
PO005247.D 1 11/15/12 PB CAS Number Parameter Conc. Qualifier MDL LOD TARGETS	366849 LOQ / CRQL	
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5	19	ug/Kg
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5         11104-28-2       Aroclor-1221       9.5       U       3.7       9.5	19 19	ug/Kg ug/Kg
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5         11104-28-2       Aroclor-1221       9.5       U       3.7       9.5         11141-16-5       Aroclor-1232       9.5       U       8.2       9.5	19 19 19	ug/Kg ug/Kg ug/Kg
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5         53469-21-9       Aroclor-1242       9.5       U       3.7       9.5	19 19 19 19 19 19	ug/Kg ug/Kg ug/Kg ug/Kg
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5         12672-29-6       Aroclor-1242       9.5       U       3.7       9.5	19 19 19 19 19 19 19 19	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5         53469-21-9       Aroclor-1242       9.5       U       3.7       9.5         12672-29-6       Aroclor-1248       9.5       U       7.2       9.5         11097-69-1       Aroclor-1254       900       EP       1.6       9.5	19 19 19 19 19 19 19 19 19 19	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg
PO005247.D       1       11/15/12       11/15/12       PB         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5         53469-21-9       Aroclor-1242       9.5       U       3.7       9.5         12672-29-6       Aroclor-1248       9.5       U       7.2       9.5         11097-69-1       Aroclor-1254       900       EP       1.6       9.5         11096-82-5       Aroclor-1260       9.5       U       4.5       9.5	19 19 19 19 19 19 19 19 19 19	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	ng		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP006DL			SDG No.:		d4831		
Lab Sample ID:	D4831-05DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	9	Decanted:	
Sample Wt/Vol:	30.01 Units: g	2		Final Vol:		10000	uL	
Soil Aliquot Vol:	1	ıL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005267.D	5	5 11/15/12		11/16/12		PB66849		
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		46.5	UD	19	46.5	93	ug/Kg
11104-28-2	Aroclor-1221		46.5	UD	19	46.5	93	ug/Kg
11141-16-5	Aroclor-1232		46.5	UD	41	46.5	93	ug/Kg
53469-21-9	Aroclor-1242		46.5	UD	19	46.5	93	ug/Kg
12672-29-6	Aroclor-1248		46.5	UD	36	46.5	93	ug/Kg
11097-69-1	Aroclor-1254		860	D	8.2	46.5	93	ug/Kg
11096-82-5	Aroclor-1260		46.5	UD	23	46.5	93	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyl	ene	18.5		10 - 10	56	93%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP007			SDG No.:		d4831		
Lab Sample ID:	D4831-06			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	11	Decanted:	
Sample Wt/Vol:	30.05 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005248.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9.5	U	3.9	9.5	19	ug/Kg
11104-28-2	Aroclor-1221		9.5	U	3.8	9.5	19	ug/Kg
11141-16-5	Aroclor-1232		9.5	U	8.4	9.5	19	ug/Kg
53469-21-9	Aroclor-1242		9.5	U	3.8	9.5	19	ug/Kg
12672-29-6	Aroclor-1248		9.5	U	7.4	9.5	19	ug/Kg
11097-69-1	Aroclor-1254		4300	EP	1.7	9.5	19	ug/Kg
11096-82-5	Aroclor-1260		9.5	U	4.6	9.5	19	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	19.2		10 - 10	56	96%	SPK: 20
2051-24-3	Decachlorobipheny	1	14.5		60 - 12	25	72%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consult	ting		Date Collec	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP007DL			SDG No.:		d4831		
Lab Sample ID:	D4831-06DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	11	Decanted:	
Sample Wt/Vol:	30.05 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 F	PH: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PO005268.D	20	11/15/12		11/16/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		190	UD	78	190	380	ug/Kg
11104-28-2	Aroclor-1221		190	UD	76	190	380	ug/Kg
11141-16-5	Aroclor-1232		190	UD	170	190	380	ug/Kg
53469-21-9	Aroclor-1242		190	UD	76	190	380	ug/Kg
12672-29-6	Aroclor-1248		190	UD	150	190	380	ug/Kg
11097-69-1	Aroclor-1254		3800	D	33	190	380	ug/Kg
11096-82-5	Aroclor-1260		190	UD	92	190	380	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xy	lene	24.2		10 - 16	56	121%	SPK: 20
	100000000000000000000000000000000000000							

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP008			SDG No.:		d4831		
Lab Sample ID:	D4831-07			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	9	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	Ĺ		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005251.D	1			11/15/12		PE		
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9.5	U	3.8	9.5	19	ug/Kg
11104-28-2	Aroclor-1221		9.5	U	3.7	9.5	19	ug/Kg
11141-16-5	Aroclor-1232		9.5	U	8.2	9.5	19	ug/Kg
53469-21-9	Aroclor-1242		9.5	U	3.7	9.5	19	ug/Kg
12672-29-6	Aroclor-1248		9.5	U	7.2	9.5	19	ug/Kg
11097-69-1	Aroclor-1254		1400	EP	1.6	9.5	19	ug/Kg
11096-82-5	Aroclor-1260		9.5	U	4.5	9.5	19	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	18.3		10 - 10	56	92%	SPK: 20
2051-24-3	Decachlorobipheny	1	14.4		60 - 12	75	72%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulti	ng		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP008DL			SDG No.:		d4831		
Lab Sample ID:	D4831-07DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	9	Decanted:	
Sample Wt/Vol:	30.04 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:	1	uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PI	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005269.D	10	10 11/15/12		11/16/12		PB66849		
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		95	UD	38	95	190	ug/Kg
11104-28-2	Aroclor-1221		95	UD	37	95	190	ug/Kg
11141-16-5	Aroclor-1232		95	UD	82	95	190	ug/Kg
53469-21-9	Aroclor-1242		95	UD	37	95	190	ug/Kg
12672-29-6	Aroclor-1248		95	UD	72	95	190	ug/Kg
11097-69-1	Aroclor-1254		1200	D	16	95	190	ug/Kg
11096-82-5	Aroclor-1260		95	UD	45	95	190	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyl	ene	21.7		10 - 16	56	109%	SPK: 20
2051-24-3								

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting			Date Collec	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP009			SDG No.:		d4831		
Lab Sample ID:	D4831-08			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PO005252.D	1	11/15/12		11/15/12		PE		
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		49		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	21		10 - 10	66	105%	SPK: 20

17

U = Not Detected

2051-24-3

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

Decachlorobiphenyl

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

60 - 125

SPK: 20

85%



Client:	P.W. Grosser Consulting			Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP010			SDG No.:		d4831		
Lab Sample ID:	D4831-09			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.08 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI	_		Test:		РСВ		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A		5				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PO005253.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		43	Р	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	20.1		10 - 1	66	100%	SPK: 20
2051-24-3	Decachlorobiphenyl		16.1		60 - 1	25	80%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP011			SDG No.:		d4831		
Lab Sample ID:	D4831-10			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	7	Decanted:	
Sample Wt/Vol:	30.05 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u	Ĺ		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005254.D	1	11/15/12		11/15/12		PI	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		110		1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	19.9		10 - 10	56	100%	SPK: 20
2051-24-3	Decachlorobipheny	1	15.4		60 - 12	25	77%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	11/12/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	FIELDBLANK-002			SDG No.:		d4831		
Lab Sample ID:	D4831-11			Matrix:		WATER		
Analytical Method:	SW8082A			% Moisture	e:	100	Decanted:	
Sample Wt/Vol:	960 Units:	mL		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 P	H: 5						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PO005272.D	1	11/15/12		11/16/12		PE	366839	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
<b>TARGETS</b> 12674-11-2	Aroclor-1016		0.26	U	0.1	0.26	0.52	ug/L
	Aroclor-1016 Aroclor-1221		0.26 0.26	U U	0.1 0.198	0.26 0.26	0.52 0.52	ug/L ug/L
12674-11-2								
12674-11-2 11104-28-2	Aroclor-1221		0.26	U	0.198	0.26	0.52	ug/L
12674-11-2 11104-28-2 11141-16-5	Aroclor-1221 Aroclor-1232		0.26 0.26	U U	0.198 0.156	0.26 0.26	0.52 0.52	ug/L ug/L
12674-11-2 11104-28-2 11141-16-5 53469-21-9	Aroclor-1221 Aroclor-1232 Aroclor-1242		0.26 0.26 0.26	U U U	0.198 0.156 0.093	0.26 0.26 0.26	0.52 0.52 0.52	ug/L ug/L ug/L
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		0.26 0.26 0.26 0.26	U U U U	0.198 0.156 0.093 0.25	0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260		0.26 0.26 0.26 0.26 0.26 0.26	U U U U U	0.198 0.156 0.093 0.25 0.046 0.084	0.26 0.26 0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L ug/L ug/L
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	ene	0.26 0.26 0.26 0.26 0.26	U U U U U	0.198 0.156 0.093 0.25 0.046	0.26 0.26 0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	2		Date Colle	cted:	11/13/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP018			SDG No.:		d4831		
Lab Sample ID:	D4831-12			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	9	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005255.D	1	11/15/12		11/15/12		PE	366849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9.5	U	3.8	9.5	19	ug/Kg
11104-28-2	Aroclor-1221		9.5	U	3.7	9.5	19	ug/Kg
11141-16-5	Aroclor-1232		9.5	U	8.2	9.5	19	ug/Kg
53469-21-9	Aroclor-1242		9.5	U	3.7	9.5	19	ug/Kg
12672-29-6	Aroclor-1248		9.5	U	7.2	9.5	19	ug/Kg
11097-69-1	Aroclor-1254		3800	EP	1.6	9.5	19	ug/Kg
11096-82-5	Aroclor-1260		9.5	U	4.5	9.5	19	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	19.1		10 - 1	66	95%	SPK: 20
2051-24-3	Decachlorobipheny	1	16		60 - 12	25	80%	SPK: 20

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- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consult	ting		Date Collec	cted:	11/13/12		
Project:	Canine Kennel			Date Recei	ved:	11/15/12		
Client Sample ID:	EP018DL			SDG No.:		d4831		
Lab Sample ID:	D4831-12DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	9	Decanted:	
Sample Wt/Vol:	30.04 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 I	PH: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pre	ep Batch ID	
PO005270.D	20	11/15/12		11/16/12		PE	866849	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		185	UD	76	185	370	ug/Kg
11104-28-2	Aroclor-1221		185	UD	75	185	370	ug/Kg
11141-16-5	Aroclor-1232		185	UD	160	185	370	ug/Kg
53469-21-9	Aroclor-1242		185	UD	75	185	370	ug/Kg
12672-29-6	Aroclor-1248		185	UD	140	185	370	ug/Kg
11097-69-1	Aroclor-1254		4300	D	33	185	370	ug/Kg
11096-82-5	Aroclor-1260		185	UD	90	185	370	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xy	lene	31.8		10 - 16	56	159%	SPK: 20

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 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 631-589-6353

ORDER ID : D4907 ATTENTION : Andy Lockwood







Date : 11/23/2012

Dear Andy Lockwood,

**1** water and **10** soil samples for the **Canine Kennel** project were received on **11/21/2012**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET

	CUSTODY RECORD	(908) 789-890	et, Mountainside, NJ 07092 10   Fax (908) 789-8922 v.chemtech.net	CHEMTECH PROJECT NO. QUOTE NO. COC Number 02444	
	CLIENT INFORMATION		CLIENT PROJECT INFORMATION		ATION
COMPANY:	PINGC		Capine Kennel		
	30 Johnson Ave.	PROJECT NAME:			<u>O#:</u>
5			HDDCI LOCATION W HMMD COD	ADDRESS: (LIENT INFO	
· · · · · · · · · · · · · · · · · · ·	xivenia state: Ny zipil	HE PROJECT MANAG	SER: Andy Lackhard Beach	CITY: STATE:	ZIP:
ATTENTION:	Lockwood / K Rubin	e-mail: And La	Nukrasser Com	ATTENTION: PHONE:	
PHONE:	-539-6353 FAX: 631-589 - 1	FOS PHONE 6316	89-6353 FAX:631-589-870		
	DATA TURNAROUND INFORMATION		A DELIVERABLE INFORMATION		
EDD: PREAPPROVE	DAYS	LEVEL 2: Result	s + QC s (plus results raw data) + QC s + QC (all raw data)	3 4 5 6 7 8 9	
CHEMTECH		SAMPLE	SAMPLE 🔐	PRESERVATIVES	COMMENTS
SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE TYPE MATRIX S S S	SAMPLE     Sample       COLLECTION     E       DATE     TIME       1     2		Specify Preservatives A−HCI B−HNO₃ C−H₂SO₄ D−NaOH =−ICE F−Other
1.	EPOO1B(12-18")	SX	11/20/12 (01CO 1 X		E-ICE F-Other
2.	FP018B(12-18")		1 (915 1 X)		& Alaza
3.	EP(07-B(12-18")		092512		K Need
4.	EPCO7B (12-18") MS []		09252X		MASDEC
5.	EPCOBB(1A-16")				ASY B
6.	Fieldhupma		$- 09401 \times$		
7.	FillPhalan2		V MUEIX		
8.	FIELADALIKUS		V 0245 X		
9.					
10.					
10.					
RELINQUISHED BY SA 1.K.R.L.L.A RELINQUISHED BY. 2.	AMPLER: DATE/TIME: 1200 RECEIVE DATE/TIME: 1200 RECEIVE DATE/TIME: RECEIVE DATE/TIME: RECEIVE 2.	) BY:	EACH TIME SAMPLES CHANGE POSSESS Conditions of bottles or coolers at receipt: MeOH extraction requires an additional 4 of Comments:	Compliant I Non Compliant Cooler T	emp5 *< poler?:y
RELINQUISHED BY: 3. UPS		FOR LAB BY:	Page of	DVIA: CLIENT: MHAND DELIVERED DOVERNIGH CHEMTECH: PICKED UP DOVERNIGHT	IT Shipment Complete:

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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			PROJECT NAME: CO						BILL T	- - - -		QIQV	ME	A	-S		PO#			
COMPANY: PW	Report to be sent to	····	PROJECT #: SHD 12		1 K	LOCATIC	N: W.H	ampta			<b>`</b>		0		Ā					
the second se	Johnson A		PROJECT MANAGER:		_			Seace	CITY:						IP(		STAT	E:	ZIP:	
CITY: BANKER		E: NY ZIP: 11716	E-MAIL: (Y) du la							NTION	:					£				
ATTENTION:	icokwood I	th Rubina	PHONE: 631-589	425	<u>z</u>	FAX:	1-589-	8705	PHON	IE:										
r1.	69-6353 FAX:	131-589-8705						<u> </u>						P	ANA	LYS	IS			
		INFORMATION		INFOR	MAT	RABLI ION				65	Ţ	/		/	/					
FAX:	- 1.	DAYS*	<ul> <li>RESEULTS ONLY</li> <li>RESULTS * QC</li> </ul>				- tate ASP "B	,u		-54	· /	/	/ /		/ /	/ /	/			
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SAMPLE		EIDENTIFICATION	MATRIX	<u>a</u>	8			of Bottles							L			C-H2SO13		D-NaOH F-OTHER
ID				CO CO	GRAB	DATE	TIME	0 #	1	2	3	4	5	6	7	8	9	E-ICE		F-QTHER
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RELINQUISHED BY	DATE	TIME RECEIVED FOR LAB BY						Overnig		19:	+	Hand	Deliver	red		<b>+</b>		Shipr	nent Com	plete
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10/18/2004	<i></i>					VELL		MTEOL		~	DINK	CAL			עסר			#		

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPL



Client:	P.W. Grosser Consulting	3		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP001B(12-18)			SDG No.:		D4907		
Lab Sample ID:	D4907-01			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	3	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI			Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011408.D	1	11/21/12		11/23/12		PE	866995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		8.5	U	3.6	8.5	17	ug/Kg
11104-28-2	Aroclor-1221		8.5	U	3.5	8.5	17	ug/Kg
11141-16-5	Aroclor-1232		8.5	U	7.7	8.5	17	ug/Kg
53469-21-9	Aroclor-1242		8.5	U	3.5	8.5	17	ug/Kg
12672-29-6	Aroclor-1248		8.5	U	6.8	8.5	17	ug/Kg
11097-69-1	Aroclor-1254		2100	Е	1.5	8.5	17	ug/Kg
11096-82-5	Aroclor-1260		8.5	U	4.2	8.5	17	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	22.2		10 - 10	66	111%	SPK: 20
2051-24-3	Decachlorobipheny	1	21.8		60 - 12	75	109%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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concentrations between the two GC columns

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Client:	P.W. Grosser Consulting	3		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP001B(12-18)DL			SDG No.:		D4907		
Lab Sample ID:	D4907-01DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	3	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011411.D	10	11/21/12		11/23/12		PE	366995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		85	UD	36	85	170	ug/Kg
11104-28-2	Aroclor-1221		85	UD	35	85	170	ug/Kg
11141-16-5	Aroclor-1232		85	UD	77	85	170	ug/Kg
53469-21-9	Aroclor-1242		85	UD	35	85	170	ug/Kg
12672-29-6	Aroclor-1248		85	UD	68	85	170	ug/Kg
11097-69-1	Aroclor-1254		2900	D	15	85	170	ug/Kg
11096-82-5	Aroclor-1260		85	UD	42	85	170	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	18.4		10 - 10	66	92%	SPK: 20
2051-24-3	Decachlorobipheny	1	24.5		60 - 12	25	123%	SPK: 20

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Client:	P.W. Grosser Consul	ting		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP018B(12-18)			SDG No.:		D4907		
Lab Sample ID:	D4907-02			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	10	Decanted:	
Sample Wt/Vol:	30.1 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 I	PH: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011401.D	1	11/21/12		11/23/12		PE	866995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9.5	U	3.8	9.5	19	ug/Kg
11104-28-2	Aroclor-1221		9.5	U	3.8	9.5	19	ug/Kg
11141-16-5	Aroclor-1232		9.5	U	8.3	9.5	19	ug/Kg
53469-21-9	Aroclor-1242		9.5	U	3.8	9.5	19	ug/Kg
12672-29-6	Aroclor-1248		9.5	U	7.3	9.5	19	ug/Kg
11097-69-1	Aroclor-1254		190		1.7	9.5	19	ug/Kg
11096-82-5	Aroclor-1260		9.5	U	4.6	9.5	19	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xy	lene	20.9		10 - 10	66	105%	SPK: 20
2051-24-3								

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S = Indicates estimated value where valid five-point calibration



11104-28-2Aroclor-12219.5U3.79.519u11141-16-5Aroclor-12329.5U8.29.519u53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u									
Client Sample ID:       EP007B(12-18)       SDG No.:       D4907         Lab Sample ID:       D4907-03       Matrix:       SOIL         Analytical Method:       SW8082A       % Moisture:       9       Decanted:         Sample Wt/Vol:       30.05       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB       Extraction Type:       Injection Volume :       1         GPC Factor :       1.0       PH : N/A       Date Analyzed       Prep Batch ID       PCO         PC011402.D       1       11/21/12       11/23/12       PB66995       P         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ/CRQL       U         TARGETS       1104-28-2       Aroclor-1016       9.5       U       3.8       9.5       19       u         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5       19       u         11104-28-2       Aroclor-1222       9.5       U       3.7       9.5       19       u         11047-28-2       Aroclor-1242       9.5       U       3.7       9.5       19       u	Client:	P.W. Grosser Consu	ulting		Date Colle	cted:	11/20/12		
Lab Sample ID:       D4907-03       Matrix:       SOIL         Analytical Method:       SW8082A       % Moisture:       9       Decanted:         Sample Wt/Vol:       30.05       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB       Extraction Type:       Injection Volume :       1         GPC Factor :       1.0       PH : N/A       Prep Date       Date Analyzed       Prep Batch ID         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID       V         PC011402.D       1       11/21/12       11/23/12       PB66995       V       V         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5       19       u         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5       19       u         1104-28-2       Aroclor-1232       9.5       U       3.7       9.5       19       u         1141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         11047-28-2       Aroclor-1248       9.5       U       3.7       9.5	Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Lab Sample ID:       D4907-03       Matrix:       SOIL         Analytical Method:       SW8082A       % Moisture:       9       Decanted:         Sample Wt/Vol:       30.05       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB       Extraction Type:       Injection Volume :       1         GPC Factor :       1.0       PH : N/A       Prep Date       Date Analyzed       Prep Batch ID       PC011402.D       1       11/21/12       11/23/12       PB66995       V         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ/CRQL       U         TARGETS       11/14-28-2       Aroclor-1016       9.5       U       3.8       9.5       19       u         1104-28-2       Aroclor-1221       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         1141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         11047-28-2       Aroclor-1248       9.5       U       3.7       9.5       19	Client Sample ID:	EP007B(12-18)			SDG No.:		D4907		
Analytical Method:       SW8082A       % Moisture:       9       Decanted:         Sample Wt/Vol: $30.05$ Units:       g       Final Vol: $10000$ uL         Soil Aliquot Vol:       uL       uL       Test:       PCB       Item volume:       1         GPC Factor : $1.0$ PH : N/A       Item volume: $1$ Item volume:       Prep Batch ID       Prep Batch ID       Prep Date       Prep Date       Prep Batch ID       Prep Batch ID       Prep Date       Prep Batch ID       Prep Batch ID       Prep Batch ID       Prep Batch ID       Prep Patce       <	-	D4907-03			Matrix.		SOIL		
Sample Wt/Vol:       30.05       Units:       g       Final Vol:       10000       uL         Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       Injection Volume :       1         GPC Factor :       1.0       PH :       N/A         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC011402.D       1       11/21/12       11/23/12       PB66995       D         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL       U         TARGETS       1104-28-2       Aroclor-1016       9.5       U       3.8       9.5       19       u         11104-28-2       Aroclor-1221       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5       19       u         11104-28-2       Aroclor-1242       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5       19       u         11097-691       Aroclor-1248       9.5       U								D 1	
Soil Aliquot Vol:       uL       Test:       PCB         Extraction Type:       Injection Volume :       1         GPC Factor :       1.0       PH :       N/A         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC011402.D       1       11/21/12       11/23/12       PB66995         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL       U         TARGETS       1       11/21/12       11/23/12       PB66995       U       3.8       9.5       19       u         1104-28-2       Aroclor-1016       9.5       U       3.8       9.5       19       u         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         1104-28-2       Aroclor-1242       9.5       U	Analytical Method:	SW8082A			% Moistur	e:	9	Decanted:	
Arrian Struction Type:       Injection Volume :       1         Extraction Type:       1.0       PH :       N/A         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC011402.D       1       11/21/12       11/23/12       PB66995         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL       U         TARGETS       Ilegation 11/22/12       9.5       U       3.8       9.5       19       u         1104-28-2       Aroclor-1016       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1221       9.5       U       3.7       9.5       19       u         1104-28-2       Aroclor-1232       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1242       9.5       U       3.7       9.5       19       u         1104-28-2       Aroclor-1242       9.5       U       3.7       9.5       19       u         1104-28-2       Aroclor-1	Sample Wt/Vol:	30.05 Units:	g		Final Vol:		10000	uL	
GPC Factor :       1.0       PH : N/A         File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC011402.D       1       11/21/12       11/23/12       PB66995         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL       U         TARGETS	Soil Aliquot Vol:		uL		Test:		PCB		
File ID/Qc Batch:       Dilution:       Prep Date       Date Analyzed       Prep Batch ID         PC011402.D       1       11/21/12       11/23/12       PB66995         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL       U         TARGETS       1       9.5       U       3.8       9.5       19       u         1104-28-2       Aroclor-1016       9.5       U       3.7       9.5       19       u         11104-28-2       Aroclor-1221       9.5       U       3.7       9.5       19       u         11141-16-5       Aroclor-1232       9.5       U       3.7       9.5       19       u         53469-21-9       Aroclor-1242       9.5       U       3.7       9.5       19       u         12672-29-6       Aroclor-1248       9.5       U       7.2       9.5       19       u         1097-69-1       Aroclor-1254       140       1.6       9.5       19       u         11096-82-5       Aroclor-1260       9.5       U       4.5       9.5       19       u	Extraction Type:				Injection V	olume :	1		
PC011402.D       1       11/21/12       11/23/12       PB66995         CAS Number       Parameter       Conc.       Qualifier       MDL       LOD       LOQ / CRQL       U         TARGETS       12674-11-2       Aroclor-1016       9.5       U       3.8       9.5       19       u         11104-28-2       Aroclor-1221       9.5       U       3.7       9.5       19       u         111141-16-5       Aroclor-1232       9.5       U       3.7       9.5       19       u         53469-21-9       Aroclor-1242       9.5       U       3.7       9.5       19       u         11097-69-1       Aroclor-1248       9.5       U       7.2       9.5       19       u         11096-82-5       Aroclor-1260       9.5       U       4.5       9.5       19       u	GPC Factor :	1.0	PH : N/A						
CAS NumberParameterConc.QualifierMDLLODLOQ/CRQLUTARGETS12674-11-2Aroclor-10169.5U3.89.519u11104-28-2Aroclor-12219.5U3.79.519u11141-16-5Aroclor-12329.5U8.29.519u53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
TARGETS12674-11-2Aroclor-10169.5U3.89.519u11104-28-2Aroclor-12219.5U3.79.519u11141-16-5Aroclor-12329.5U8.29.519u53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	PC011402.D	1	11/21/12		11/23/12		PE	366995	
12674-11-2Aroclor-10169.5U3.89.519u11104-28-2Aroclor-12219.5U3.79.519u11141-16-5Aroclor-12329.5U8.29.519u53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
12674-11-2Aroclor-10169.5U3.89.519u11104-28-2Aroclor-12219.5U3.79.519u11141-16-5Aroclor-12329.5U8.29.519u53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	TARGETS								
11141-16-5Aroclor-12329.5U8.29.519u53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u		Aroclor-1016		9.5	U	3.8	9.5	19	ug/Kg
53469-21-9Aroclor-12429.5U3.79.519u12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	11104-28-2	Aroclor-1221		9.5	U	3.7	9.5	19	ug/Kg
12672-29-6Aroclor-12489.5U7.29.519u11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	11141-16-5	Aroclor-1232		9.5	U	8.2	9.5	19	ug/Kg
11097-69-1Aroclor-12541401.69.519u11096-82-5Aroclor-12609.5U4.59.519u	53469-21-9	Aroclor-1242		9.5	U	3.7	9.5	19	ug/Kg
11096-82-5 Aroclor-1260 9.5 U 4.5 9.5 19 u	12672-29-6	Aroclor-1248		9.5	U	7.2	9.5	19	ug/Kg
	11097-69-1	Aroclor-1254		140		1.6	9.5	19	ug/Kg
SURROGATES	11096-82-5	Aroclor-1260		9.5	U	4.5	9.5	19	ug/Kg
	SURROGATES								
877-09-8 Tetrachloro-m-xylene 20.1 10 - 166 100% S	877-09-8	Tetrachloro-m-x	kylene	20.1		10 - 1	66	100%	SPK: 20
2051-24-3         Decachlorobiphenyl         12.8         60 - 125         64%         S	2051-24-3	Decachlorobiph	enyl	12.8		60 - 12	25	64%	SPK: 20

U = Not Detected

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P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	g		Date Collec	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP008B(12-18)			SDG No.:		D4907		
Lab Sample ID:	D4907-06			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.07 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul			Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PC011403.D	1	11/21/12		11/23/12		PI	866995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	22.4		10 - 10	66	112%	SPK: 20
	Tett demoto-m-xyte		22.7		10 - 10	00	112/0	DI IX. 20

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concentrations between the two GC columns

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- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	3		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	FIELDDUP002			SDG No.:		D4907		
Lab Sample ID:	D4907-07			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	4	Decanted:	
Sample Wt/Vol:	30.12 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI			Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011409.D	1	11/21/12		11/23/12		PE	866995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.6	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.5	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.5	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	6.8	9	18	ug/Kg
11097-69-1	Aroclor-1254		1800	Е	1.5	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.3	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	23.3		10 - 10	66	117%	SPK: 20
2051-24-3	Decachlorobipheny	1	19.7		60 - 12	25	99%	SPK: 20

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- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting			Date Collec	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	FIELDDUP002DL			SDG No.:		D4907		
Lab Sample ID:	D4907-07DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	4	Decanted:	
Sample Wt/Vol:	30.12 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uL			Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH :	N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PC011412.D	10	11/21/12		11/23/12		PE	366995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		90	UD	36	90	180	ug/Kg
11104-28-2	Aroclor-1221		90	UD	35	90	180	ug/Kg
11141-16-5	Aroclor-1232		90	UD	78	90	180	ug/Kg
53469-21-9	Aroclor-1242		90	UD	35	90	180	ug/Kg
12672-29-6	Aroclor-1248		90	UD	68	90	180	ug/Kg
11097-69-1	Aroclor-1254		2700	D	15	90	180	ug/Kg
11096-82-5	Aroclor-1260		90	UD	43	90	180	ug/Kg
SURROGATES								
SURROUATES								
877-09-8	Tetrachloro-m-xylen	e	20.8		10 - 10	56	104%	SPK: 20

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 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration



Client:	P.W. Grosser Consult	ing		Date Collec	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	FIELDBLANK003			SDG No.:		D4907		
Lab Sample ID:	D4907-08			Matrix:		WATER		
-				% Moisture		100	Decanted:	
Analytical Method:	SW8082A			% Moisture	ð:	100	Decanted	
Sample Wt/Vol:	960 Units:	mL		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 P	PH: 5						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PC011404.D	1	11/21/12		11/23/12		PE	366996	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
CAS Number TARGETS 12674-11-2	Parameter Aroclor-1016		<b>Conc.</b> 0.26	<b>Qualifier</b> U	<b>MDL</b> 0.1	LOD 0.26	<b>LOQ / CRQL</b> 0.52	Units ug/L
TARGETS				_				
<b>TARGETS</b> 12674-11-2	Aroclor-1016		0.26	U	0.1	0.26	0.52	ug/L ug/L
<b>TARGETS</b> 12674-11-2 11104-28-2	Aroclor-1016 Aroclor-1221		0.26 0.26	U U	0.1 0.198	0.26 0.26	0.52 0.52	ug/L
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5	Aroclor-1016 Aroclor-1221 Aroclor-1232		0.26 0.26 0.26	U U U	0.1 0.198 0.156	0.26 0.26 0.26	0.52 0.52 0.52	ug/L ug/L ug/L
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242		0.26 0.26 0.26 0.26	U U U U	0.1 0.198 0.156 0.093	0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248		0.26 0.26 0.26 0.26 0.26	U U U U U	0.1 0.198 0.156 0.093 0.25	0.26 0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L ug/L
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254		0.26 0.26 0.26 0.26 0.26 0.26 0.26	U U U U U U	0.1 0.198 0.156 0.093 0.25 0.046	0.26 0.26 0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L ug/L ug/L
<b>TARGETS</b> 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254	·lene	0.26 0.26 0.26 0.26 0.26 0.26 0.26	U U U U U U	0.1 0.198 0.156 0.093 0.25 0.046	0.26 0.26 0.26 0.26 0.26 0.26 0.26	0.52 0.52 0.52 0.52 0.52 0.52 0.52	ug/L ug/L ug/L ug/L ug/L ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consulting	3		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP019(6-12)			SDG No.:		D4907		
Lab Sample ID:	D4907-09			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.09 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011405.D	1	11/21/12		11/23/12		PE	366995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		160	Р	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	21.2		10 - 1	66	106%	SPK: 20
2051-24-3	Decachlorobipheny	l	15.6		60 - 1	25	78%	SPK: 20

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LOD = Limit of Detection

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concentrations between the two GC columns

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP020(6-12)			SDG No.:		D4907		
Lab Sample ID:	D4907-10			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	8	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 РН	: N/A		-				
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011410.D	1	11/21/12		11/23/12		PE	366995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254		650	Е	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	22.3		10 - 1	66	111%	SPK: 20
2051-24-3	Decachlorobipheny	1	19		60 - 12	25	95%	SPK: 20

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Client:	P.W. Grosser Consulti	ng		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP020(6-12)DL			SDG No.:		D4907		
Lab Sample ID:	D4907-10DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	8	Decanted:	
Sample Wt/Vol:	30.04 Units:	3		Final Vol:		10000	uL	
Soil Aliquot Vol:	1	ıL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PI	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011413.D	10	11/21/12		11/23/12		PI	366995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		90	UD	38	90	180	ug/Kg
11104-28-2	Aroclor-1221		90	UD	37	90	180	ug/Kg
11141-16-5	Aroclor-1232		90	UD	81	90	180	ug/Kg
53469-21-9	Aroclor-1242		90	UD	37	90	180	ug/Kg
12672-29-6	Aroclor-1248		90	UD	72	90	180	ug/Kg
11097-69-1	Aroclor-1254		1000	D	16	90	180	ug/Kg
11096-82-5	Aroclor-1260		90	UD	45	90	180	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyl	ene	20.7		10 - 10	56	104%	SPK: 20
2051-24-3	Decachlorobiphen	vl	23		60 - 12	25	115%	SPK: 20

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Client:	P.W. Grosser Consulting	2		Date Colle	cted:	11/20/12		
Project:	Canine Kennel			Date Recei	ved:	11/21/12		
Client Sample ID:	EP021(6-12)			SDG No.:		D4907		
Lab Sample ID:	D4907-11			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	8	Decanted:	
Sample Wt/Vol:	30.02 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul			Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011406.D	1	11/21/12		11/23/12		PE	366995	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254		190	Р	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	21.5		10 - 1	66	107%	SPK: 20
2051-24-3	Decachlorobipheny	1	15.5		60 - 12	25	78%	SPK: 20

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# DATA FOR

**GC SEMI-VOLATILES** 

**PROJECT NAME : CANINE KENNEL** 

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 631-589-6353

ORDER ID : D4965 ATTENTION : Andy Lockwood







Date : 11/30/2012

Dear Andy Lockwood,

**1** water and **2** soil samples for the **Canine Kennel** project were received on **11/29/2012**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

The invoice for this workorder is also attached to the e-mail.

Regards,

CHRISTOPHER WOLSKI

9087283149

c.wolski@CHEMTECH.NET

CLEINTECH	284 Sheffield Stree				092	Cher	ntecl	h Pro	oject	Num	ber						
CHAIN OF CUSTODY RECORD	(908) 789-8900	)     Fax (90 chemtech		-8922		coc	Nun	nber									
		JECT INFO		ON						BILL	NG	INF	OR	MAT			
CLIENT INFORMATION				2			0	C.			AS					**	
Report to be sent to		anive t			<u> </u>				AM	- NT	H	<u>)</u> 17		PO#			
COMPANY: PWGC	PROJECT #: SHD			N:W.Han	instan instan		E33.	-Cl	الجلر	$\Sigma \downarrow$		UT	_	STAT	F:	ZIP:	
ADDRESS: 630, Johnson AVC.	PROJECT MANAGER:						NTION:							2.7.1			
CITY: BONOMIA STATE: NU ZIP ATTENTION: A LOCKWOOD	PHONE: 631-589	-6353	<u>ел са</u> FAX: 62	1-589-8	705												
PHONE: 631-589-6353FAX: 631-589-	2205						.,			,,	A	NAL	YS	IS			
DATA TURNAROUND INFORMA	DF						Ì		/		/	/	/ /	/ /			
FAX: DAYS*	RESEULTS ONLY		JSEPA CLE			1 🖗	$\mathcal{A}$	/	/ /	/ /	/	/ /	/ /	/ /	/ /		
HARD COPY:7DAYS*	RESULTS * QC     New Jersey REDUC			tate ASP "B" ate ASP "A"	t	1/0	$\mathbf{v}$	/		/ /	/ ]				/		
EDDDAYS* * TO BE APPROVED BY CHEMTECH	→ New Jersey CLP		other			L-	أها	ကြ	4				80	ົດ			
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	Dedd Format_E						PR	ESE	RVA	IIVE	S					MMEN	
		SAMPLE TYPE		MPLE ECTION	Se	E									< Spe A-HCI	cify Prese	rvatives B-HNO4
CHEMTECH PROJECT SAMPLE SAMPLE IDENTIFICA	TION MATRIX				Bottles							-			C-H2SO13		D-NaOH
ID		COMP	DATE	TIME	# of	_	2	3	4	56	5 7	7	8	9	E-ICE		F-OTHEP
1. Field Blankcon	W	$\boxtimes$	11/28/12	0200	)	$\times$											
2. $EPOOLC(18-24'')$	S			08:40	1	$\left  \times \right $											
3. EPOZOB(12-18")	Ŝ	X	Ţ	0900	1	X				<b> </b>				ļ		<u> </u>	
4.											$ \rightarrow $						
5.						<u> </u>	<u> </u>	<b>_</b>									
6.														<b> </b>			
7.															 		
8.							<b> </b>	<u> </u>					<b> </b>	<b> </b>			
9.							<u> </u>	L							ļ		<u>.</u>
10.																	
SAMPLE CUSTODY MUST B	E DOCUMENTED BELOW E		SAMPL	ES CHAI	NGE F	PROS	SES	SIO	N IN	CLUC	DING	G C	OUF	RIER	DELIV	ERY	
	CEIVED BY	MeOH extra	Dotties or	collers at rec	ceipt: ,	ACON	IPLIAI	1 7	NON C	UNPLIA	ANT	ΨC	JUUEE	ER TER	۳ <u>۳                                   </u>	-	
1 K Pullin 11/28/12/0301.		Comments						-							2		
	CEIVED BY																
2. 2.	······································				J	~ <u></u>			AM .	Delivere			<del>}</del>				
RELINQUISHED BY DATE/TIME 1990RE	CEIVED FOR LAB BY		١	V	Overnig	GLIEN	LI:	Man.			a a				ship	ment Cor	
3. 17 11-29/12 3.	PS	Page	of	-L	Overnig	~CHEN	ITECH:	: →	Picke	ed Up			<b>+</b>		#	s	→ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



Client:	P.W. Grosser Consulti	ng		Date Collec	cted:	11/28/12		
Project:	Canine Kennel			Date Recei	ved:	11/29/12		
Client Sample ID:	FIELDBLANK004			SDG No.:		D4965		
Lab Sample ID:	D4965-01			Matrix:		WATER		
*								
Analytical Method:	SW8082A			% Moisture	e:	100	Decanted:	
Sample Wt/Vol:	900 Units:	mL		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PI	H: 5						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pr	ep Batch ID	
PC011568.D	1	11/29/12		11/29/12		PE	367120	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		0.28	U	0.107	0.28	0.56	ug/L
11104-28-2	Aroclor-1221		0.28	U	0.211	0.28	0.56	ug/L
11141-16-5	Aroclor-1232		0.28	U	0.167	0.28	0.56	ug/L
53469-21-9	Aroclor-1242		0.28	U	0.099	0.28	0.56	ug/L
12672-29-6	Aroclor-1248		0.28	U	0.267	0.28	0.56	ug/L
11097-69-1	Aroclor-1254		0.28	U	0.049	0.28	0.56	ug/L
11096-82-5	Aroclor-1260		0.28	U	0.09	0.28	0.56	ug/L
SURROGATES								
877-09-8	Tetrachloro-m-xyl	ene	21.1		35 - 13	37	106%	SPK: 20
2051-24-3	Decachlorobiphen	vl	20.1		40 - 13	5	100%	SPK: 20

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Client:	P.W. Grosser Consulti	ng		Date Colle	cted:	11/28/12		
Project:	Canine Kennel			Date Recei	ved:	11/29/12		
Client Sample ID:	EP001C(18-24)			SDG No.:		D4965		
Lab Sample ID:	D4965-02			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	4	Decanted:	
Sample Wt/Vol:	30.07 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 P	H: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011602.D	1	11/29/12		11/30/12		PE	367155	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.6	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.5	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.5	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	6.8	9	18	ug/Kg
11097-69-1	Aroclor-1254		5.2	JP	1.5	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.3	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyl	ene	16.7		10 - 1	66	84%	SPK: 20
2051-24-3	Decachlorobiphen	yl	15.6		60 - 12	25	78%	SPK: 20

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Client:	P.W. Grosser Consultin	ng		Date Colle	cted:	11/28/12		
Project:	Canine Kennel			Date Recei	ved:	11/29/12		
Client Sample ID:	EP020B(12-18)			SDG No.:		D4965		
Lab Sample ID:	D4965-03			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	7	Decanted:	
Sample Wt/Vol:	30.05 Units: §			Final Vol:		10000	uL	
Soil Aliquot Vol:	ι	ıL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	I: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PC011603.D	1	11/29/12		11/30/12		PE	367155	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254		10	J	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	19.3		10 - 10	66	96%	SPK: 20
2051-24-3								

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## APPENDIX D NYSDEC APPROVAL LETTERS

#### Andrew Lockwood

From:	Heather Bishop
Sent:	Monday, January 07, 2013 9:06 AM
То:	Andrew Lockwood
Cc:	James Meyers; Kristen Rubino
Subject:	Re: Former Canine Kennel IRM - Clean FIII Approval

Andy,

Sorry for my delay. I've reviewed the clean fill source information and I approve the backfilling at the Former Canine Kennel IRM. Please let me know if you need more information. Thanks -Heather

Heather Bishop NYSDEC Division of Environmental Remediation Remedial Bureau A 625 Broadway, 11th Floor Albany, NY 12233-7015 Phone: (518) 402-9692 Fax : (518) 402-9022>>> Andrew Lockwood <<u>andyl@pwgrosser.com</u>> 1/3/2013 1:02 PM >>> Heather,

Attached is the clean fill source our subcontractor has identified for the subject site restoration (~300 yards). Please call me if you have any questions, per our WP I am waiting until I receive your approval before we backfill, thanks.

Andy C. Lockwood Vice President



P.W. Grosser Consulting 630 Johnson Avenue, Suite 7 Bohemia, NY 11716

 Phone:
 631.589.6353

 Fax:
 631.589.8705

 E-mail:
 andyl@pwgrosser.com

 Web:
 www.pwgrosser.com

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#### Please consider the environment - think before you print!

#### Andrew Lockwood

From:	Heather Bishop
Sent:	Thursday, March 28, 2013 9:02 AM
То:	Andrew Lockwood
Cc:	James Meyers
Subject:	Re: Canine Kennel Site #152079

Andy,

I have reviewed the sieve analysis provided and I have no concerns with the backfill material. Please go ahead with the restoration plans at the Canine Kennel Site #152079 as described in your email below. Thanks -Heather

Heather Bishop NYSDEC Division of Environmental Remediation Remedial Bureau A 625 Broadway, 11th Floor Albany, NY 12233-7015 Phone: (518) 402-9692 Fax : (518) 402-9022>>> Andrew Lockwood <<u>andyl@pwgrosser.com</u>> 3/25/2013 2:09 PM >>> Heather,

As part of the restoration we will need to place 3"-4" of RCA over the backfill material to make it suitable to drive on. I have attached the sieve analysis provided by the proposed source of the RCA. They are a NYSDEC permitted facility (#52W138R), let me know if we can proceed with placing this material or if you need additional information. Thanks.

Andy C. Lockwood Vice President



P.W. Grosser Consulting 630 Johnson Avenue, Suite 7 Bohemia, NY 11716

 Phone:
 631.589.6353

 Fax:
 631.589.8705

 E-mail:
 andyl@pwgrosser.com

 Web:
 www.pwgrosser.com

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#### Please consider the environment - think before you print!

## APPENDIX E BACKFILL MATERIAL SOURCE LETTER AND SIEVE ANALYSIS

#### New York State Department of Environmental Conservation Division of Solid & Hazardous Materials, Region One

Stony Brook University 50 Circle Road, Stony Brook, New York 11790 - 3409 Phone: (631) 444-0375 · FAX: (631) 444-0231 Website: www.dec.state.ny.us



Commissioner

February 24, 2009

Mr. James M. DeMartinis JR Holzmacher, PE, LLC. 300 Wheeler Road, Suite 402 Hauppaugue, NY 11788-4300

Re: Soil Sampling and Testing 250 Orchard Road, East Patchogue, New York

Dear Mr. DeMartinis:

The New York State Department of Environmental Conservation (Department) has reviewed the report, dated February 2, 2009, for the initial phase of soil sampling and testing for the referenced site. Based on those results, the Department has determined that there is no environmental concern for the materials tested thus far, and hereby approves your recommendations for the second phase of sampling of the large pile. Sampling activities shall start within fifteen (15) days from the date of this letter, and all sampling shall be completed within forty-five (45) days from the date of this letter. The Department must be notified at least three business days before the start of any field activities.

According to the Paragraph III A of the Compliance Schedule of Order on Consent (DEC File No. R1-20080114-14), after completion of the investigation, the Respondent shall submit an approvable plan with an implementation schedule for the clean up of materials stockpiled at the facility. The Respondent, however, may opt to submit such plan in stages for different piles or portions thereof when said portions of the investigation are completed. Upon the Department's approval, the materials will be disposed of in accordance with the approved plan and implementation schedule.

Should you have any questions regarding this matter, please contact Ms. Jie Zhao of my staff at (631) 444-0375.

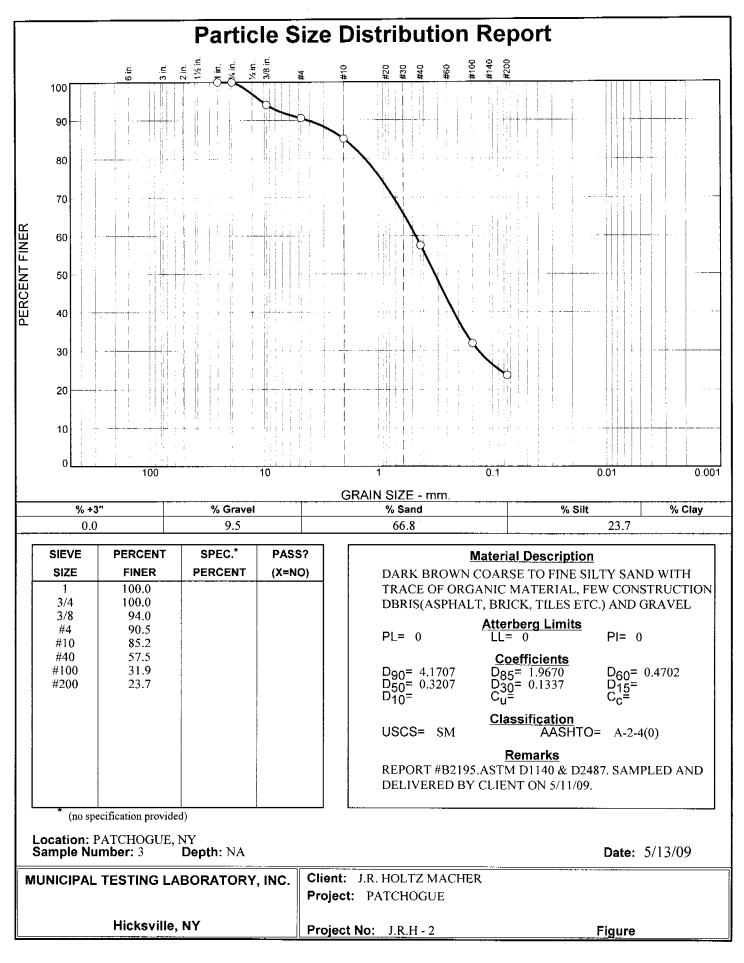
Sincerely

Syed H. Rahman, P.E. Regional Solid Materials Engineer

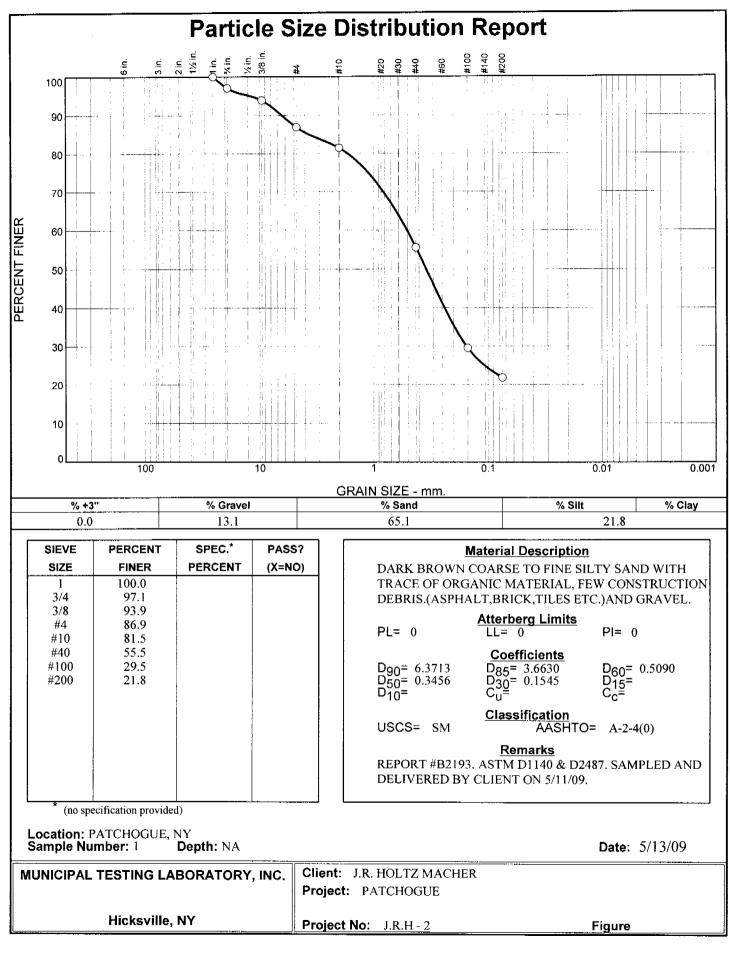
Vernon G. Rail, Regional Attorney Merlange Genece, P.E., DSHM Jie Zhao, P.E. DSHM

Nancy Gallipoli

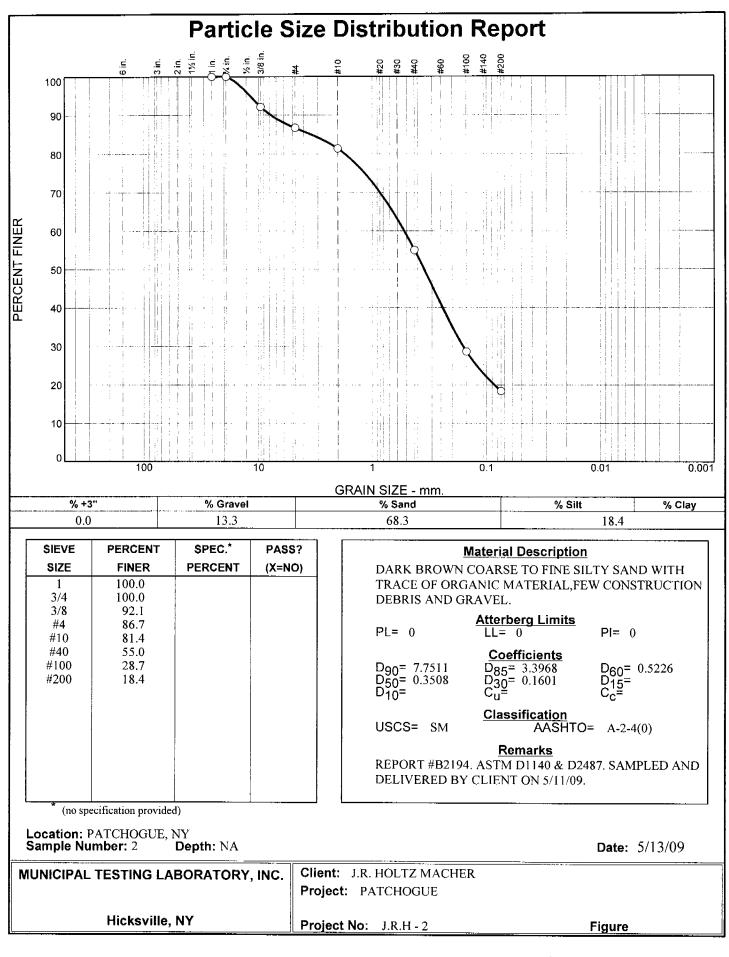
cc:



Checked By: R.KASPARIAN, P.E.



Checked By: R.KASPARIAN, P.E.



Checked By: R.KASPARIAN, P.E.



73 Otis Street | W. Babylon NY 11704 T: 631 491 5252 F: 631 491 3060 www.universaltest.com

LLW#:		Page 1 of	
DOB#:		Date:	9/19/2012
FID#:		Time in/out: UTIS Report #:	n/a 12-14284
		Gradation Analysis	
Client:	CON-STRUX LLC		
	690 Muncy Ave., Lindenhurst, NY 11757	UTIS Inspector: (	G.Hungerford
Project:	Self Evaluation	Gen Contractor:	
Job Location:		G.C. Rep.:	
		Sub-Contractor:	
Sample(s) (Type): Supplier:	Recycled Concrete Aggregate (RCA)	Test(s): ASTM C136 Sieve Analysis	

Coarse Gravel	Sieve Size	% Passing	Specification	
	2 in	100.0	100	REMARKS
	1.5 in			
. ↓	1 in	92.1		Gradation meets NYSDOT 304-1 Type 4
Fine Gravel	3/4 in	63.9		Sub Base
	1/2 in	55.1		
	3/8 in			
↓	1/4 in	39.3	30 - 65	
Coarse Sand	no. 4	24.0		
	no. 8			
Ļ	no. 10	16.9		
Mediùm Sand	no. 16			
	no. 20			
	no. 30			
. ↓	no. 40	9.9	5 - 40	
Fine Sand	no. 50			
	no. 60			
. ↓	no. 80			
Silt/Clay	no. 100			
	no. 200	3.60	0 - 10	

Sampled by: Client	<b>Date:</b> 9/13/12	
Delivered by: Client	<b>Date:</b> 9/13/12	
UTIS Lab Technician:	Gary Hungerford	

Reviewed By:

Date:	9/19/2012
Date:	9/19/2012

This report relates only to the item or exact location tested. It is the confidential property of the client and information contained may not be published or reproduced without written consent. Rev. B 05/12

# APPENDIX F LABORATORY ANALYTICAL REPORTS (WASTE CHARACTERIZATION)



# **DATA FOR**

VOLATILE ORGANICS SEMI-VOLATILE ORGANICS GC SEMI-VOLATILES METALS GENERAL CHEMISTRY

#### **PROJECT NAME : CANINE KENNEL**

**P.W. GROSSER CONSULTING** 

630 Johnson Ave.

Suite 7

Bohemia, NY - 11716

Phone No: 631-589-6353

ORDER ID: D4857

ATTENTION : Andy Lockwood







Date : 11/23/2012

Dear Andy Lockwood,

**8** soil samples for the **Canine Kennel** project were received on **11/16/2012**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

CHRISTOPHER WOLSKI

c.wolski@CHEMTECH.NET



#### 284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax (908) 789-8922 www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 025195

	CLIENT INFORMATION			C	LIENT PF	OJECT IN	FORMA	TION				e en la la La com		CLIENT	BILLI	IG INFO	RMATION	
COMPANY:	REPORT TO BE SENT TO:	PROJE		1E:	Camir	k Kei	ne				BILL TO	D:	S	AM	Ξf	15	PO#:	
	30 Johnson Ave	PROJE	ECT NO.	S	HDIZ	0 LOCAT		N.H.	ampt	ON TCD	ADDRE	SS:		CLI	EN	1		
CITY: Boh	•				A.	11	12.	1	9		CITY:				-	STAT	E: ZIP	:
	Lockwood K. Rubinia	e-mail	1:Cindu	10	public	hay La Krister Isser G	nre	puygra	rsser 	cam	ATTEN	TION:	5			PHON	IE:	
PHONE: 631	-589-6353 FAX: 631-589-8705	PHON	E:	S	AME	F/	\X: ≤	AME						252	ANA	LYSIS		
C			D	ATĂ	DELIVER	ABLE IN	FORM/	TION			07	$\sqrt{n^{0}}$	< Þj	9 V	$\langle \mathfrak{H} \rangle$	Y ,	$\langle \cdot \rangle$	
FAX:			EL 1: Re				)thers_			8	シモ		M Co	K K	ÝX	$\times$	S.XX	
HARD COPY:	Days ·	6	EL 2: Re EL 3: Re			sults raw o	lata) +	QC	2	20	1.5	Jer.	1/x	$\mathcal{O}_{\mathcal{N}}$	Ŷ	JUDY CO	91× /	
PREAPPROV		a ren	EL 4: Re	sults		I raw data		State State State	" Y	57	1319	Y-	$\mathcal{S}$	₩Y	N		CH-FH	
* STANDARD T	URNAROUND TIME IS 10 BUSINESS DAYS	LA EDD	) Format	comines							PRES	ERVA	TIVES			Ś	CON	
СНЕМТЕСН	PROJECT	SAMPL	SAMI E TYP			IPLE ECTION	UTLE:	K	F	1	1	E	t	D	T		← Specify A – HCI	Preservatives B−HNO <sub>3</sub>
SAMPLE ID	SAMPLE IDENTIFICATION	MATRI		GRAB	DATE	TIME	# OF BOTTLES		2		4	5	$\frac{1}{6}$			9	C−H₂SO E−ICE	
1.		3	Y		115112		3	X	X	Ň					Ť			
2.	NACOT (P)			X		e	1		1/1	<u> </u>	X			+	<u> </u>	1		
3.	WC COI (B)		X	$\sim$			え	$\times$	$\times$	$\times$	<u> </u>							
	WCCC2			X				$\sim$		$\sim$	$\mathbf{X}$		<b> </b>					
4.	WCOOZ(B)		X	ХI			3	$\sim$	$\sim$	$\searrow$	/~		<u> </u>					
5.	WCO03						5	$ \bigtriangleup $	$\sim$	$\sim$	$\mathcal{N}$					}		
6.	WC003(B)			X		·									20	<u> </u>		
7.	WCOOL(CA)		<u> </u>	$\overline{\mathbf{A}}$			4	$\mathbf{X}$			2.0	X	$\left  \Sigma \right $		$ \Sigma $	ļ		
8.	WCOOL (B)	$\mathbf{V}$	_	N	V		<u> </u>		ļ		X				ļ	ļ		
9.										ļ			ļ		ļ	ļ		
10.					un nizme un de la difici									<u> </u>		<u> </u>		
	SAMPLE CUSTODY MUST BE DOO	UMENT	ED BEL	ow														100
	SAMPLER: DATE/TIME: RECEIVED BY:					ions of boti H extractio					PComp jar for p			Non Cor	mpliant		oler Temp in Cooler?:	<u>y-</u>
RELINQUISHED BY:	DATE/TIME: RECEIVED BY:		· · · · · · · · · · · · · · · · ·			ments:	,-									ICE		
2.	DATE/TIME: 1000 RECEIVED FOR LAR	3 BY:			_	1		1					[] LIAN					ment Complete:
3. UPS	DATE/TIME: 1005 RECEIVED FOR LAR 11/16/12 3. PS			a ar 1	Page		of_		SI	IPPED	VIA: UL CH	IENTEC	ш нам Ж: []	PICKED	UP [	OVERN		YES NO



Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC001	SDG No.:	D4857
Lab Sample ID:	D4857-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ/C	CRQL Units Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.56	UN	1	0.25	0.56	1.12	mg/Kg 11/19/12	11/21/12	SW6010B
7440-38-2	Arsenic	2.12		1	0.15	0.225	0.45	mg/Kg 11/19/12	11/21/12	SW6010B
7440-41-7	Beryllium	0.065	U	1	0.03	0.065	0.13	mg/Kg 11/19/12	11/21/12	SW6010B
7440-43-9	Cadmium	0.83		1	0.03	0.065	0.13	mg/Kg 11/19/12	11/21/12	SW6010B
7440-47-3	Chromium	18.6	N*	1	0.06	0.11	0.22	mg/Kg 11/19/12	11/21/12	SW6010B
7440-50-8	Copper	61.3		1	0.14	0.225	0.45	mg/Kg 11/19/12	11/21/12	SW6010B
7439-92-1	Lead	50.3		1	0.05	0.135	0.27	mg/Kg 11/19/12	11/21/12	SW6010B
7439-97-6	Mercury	0.02		1	0.002	0.006	0.011	mg/Kg 11/16/12	11/19/12	SW7471A
7440-02-0	Nickel	7.4	*	1	0.21	0.45	0.9	mg/Kg 11/19/12	11/21/12	SW6010B
7782-49-2	Selenium	0.225	U	1	0.18	0.225	0.45	mg/Kg 11/19/12	11/21/12	SW6010B
7440-22-4	Silver	1.63	*	1	0.07	0.11	0.22	mg/Kg 11/19/12	11/21/12	SW6010B
7440-28-0	Thallium	0.45	U	1	0.12	0.45	0.9	mg/Kg 11/19/12	11/21/12	SW6010B
7440-66-6	Zinc	106		1	0.31	0.45	0.9	mg/Kg 11/19/12	11/21/12	SW6010B

Color Before:	Brown	Clarity Before:	Texture: Medium
Color After:	Yellow	Clarity After:	Artifacts: No
Comments:	METALS-PP		
U = Not Detec	eted		J = Estimated Value
LOQ = Limit	of Quantitation		B = Analyte Found in Associated Method Blank
MDL = Metho	od Detection Limit		* = indicates the duplicate analysis is not within control limits.
LOD = Limit	of Detection		E = Indicates the reported value is estimated because of the presence
D = Dilution			of interference.
Q = indicates	LCS control criteria did not me	et requirements	OR = Over Range
-		<u>^</u>	N = Spiked sample recovery not within control limits



Client:	P.W. Grosser Consulting			Date Collec	cted:	11/15/12		
Project:	Canine Kennel			Date Recei	ved:	11/16/12		
Client Sample ID:	WC001			SDG No.:		D4857		
Lab Sample ID:	D4857-01			Matrix:		SOIL		
•								
Analytical Method:	SW8082A			% Moisture	2:	8	Decanted:	
Sample Wt/Vol:	30.03 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	uI	_		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pro	ep Batch ID	
PO005462.D	500	11/19/12		11/23/12		PE	866939	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		4600	U	1900	4600	9200	ug/Kg
11104-28-2	Aroclor-1221		4600	U	1800	4600	9200	ug/Kg
11141-16-5	Aroclor-1232		4600	U	4100	4600	9200	ug/Kg
53469-21-9	Aroclor-1242		4600	U	1800	4600	9200	ug/Kg
12672-29-6	Aroclor-1248		4600	U	3600	4600	9200	ug/Kg
11097-69-1	Aroclor-1254		120000		810	4600	9200	ug/Kg
11096-82-5	Aroclor-1260		4600	U	2200	4600	9200	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyler	ne	0	*	10 - 16	6	0%	SPK: 20
2051-24-3	Decachlorobiphenyl		0	*	60 - 12	5	0%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.



			)
Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC001	SDG No.:	D4857
Lab Sample ID:	D4857-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-Chemtech Full -25
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date		Da	te Analyze	d	Prep Batch ID	
BE079948.D	1	11/19/12		11/	22/12		PB66941	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
62-75-9	n-Nitrosodimethylamine		180	U	18.6	180	360	ug/Kg
110-86-1	Pyridine		180	U	71.7	180	360	ug/Kg
100-52-7	Benzaldehyde		180	U	18.9	180	360	ug/Kg
62-53-3	Aniline		180	U	30.9	180	360	ug/Kg
108-95-2	Phenol		180	U	8.4	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether		180	U	17.4	180	360	ug/Kg
95-57-8	2-Chlorophenol		180	U	19.1	180	360	ug/Kg
95-50-1	1,2-Dichlorobenzene		180	U	13.8	180	360	ug/Kg
541-73-1	1,3-Dichlorobenzene		180	U	6.4	180	360	ug/Kg
106-46-7	1,4-Dichlorobenzene		180	U	12.4	180	360	ug/Kg
100-51-6	Benzyl Alcohol		180	U	13.6	180	360	ug/Kg
95-48-7	2-Methylphenol		180	U	19.7	180	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)		180	U	15	180	360	ug/Kg
98-86-2	Acetophenone		180	U	11.1	180	360	ug/Kg
65794-96-9	3+4-Methylphenols		180	U	18.8	180	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine		180	U	18.3	180	360	ug/Kg
67-72-1	Hexachloroethane		180	U	16.2	180	360	ug/Kg
98-95-3	Nitrobenzene		180	U	13.7	180	360	ug/Kg
78-59-1	Isophorone		180	U	11.1	180	360	ug/Kg
88-75-5	2-Nitrophenol		180	U	17.5	180	360	ug/Kg
105-67-9	2,4-Dimethylphenol		180	U	20.5	180	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane		180	U	20.9	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol		180	U	13.8	180	360	ug/Kg
120-82-1	1,2,4-Trichlorobenzene		180	U	13.8	180	360	ug/Kg
65-85-0	Benzoic acid		435	U	71.7	435	870	ug/Kg
91-20-3	Naphthalene		180	U	12.5	180	360	ug/Kg
106-47-8	4-Chloroaniline		180	U	25.5	180	360	ug/Kg
87-68-3	Hexachlorobutadiene		180	U	13.2	180	360	ug/Kg
105-60-2	Caprolactam		180	U	16.8	180	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol		180	U	16.1	180	360	ug/Kg
91-57-6	2-Methylnaphthalene		180	U	9.1	180	360	ug/Kg



								1
Client:	P.W. Gross	ser Consul	lting		Date Collected:		11/15/12	
Project:	Canine Ke	nnel			Date Received:		11/16/12	
Client Sample ID:	WC001				SDG No.:		D4857	
Lab Sample ID:	D4857-01				Matrix:		SOIL	
Analytical Method:	SW8270D				% Moisture:		8	
Sample Wt/Vol:	30.02	Units:	g		Final Vol:		1000	uL
Soil Aliquot Vol:			uL		Test:		SVOC-Chemtee	h Full -25
Extraction Type :			Decant	ed : N	Level :		LOW	
Injection Volume :			GPC Factor :	1.0	GPC Cleanup :	Ν	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079948.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	180	U	8.8	180	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	11.1	180	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	25.4	180	360	ug/Kg
92-52-4	1,1-Biphenyl	180	U	13.7	180	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	8.3	180	360	ug/Kg
88-74-4	2-Nitroaniline	180	U	16.1	180	360	ug/Kg
131-11-3	Dimethylphthalate	590		9.8	180	360	ug/Kg
208-96-8	Acenaphthylene	180	U	9.1	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	14.8	180	360	ug/Kg
99-09-2	3-Nitroaniline	180	U	23.3	180	360	ug/Kg
83-32-9	Acenaphthene	180	U	10.2	180	360	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	36.8	180	360	ug/Kg
100-02-7	4-Nitrophenol	180	U	67.3	180	360	ug/Kg
132-64-9	Dibenzofuran	180	U	14.1	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	10.1	180	360	ug/Kg
84-66-2	Diethylphthalate	180	U	5.7	180	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	19.7	180	360	ug/Kg
86-73-7	Fluorene	180	U	13.7	180	360	ug/Kg
100-01-6	4-Nitroaniline	180	U	47.2	180	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	20.8	180	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	8.7	180	360	ug/Kg
103-33-3	Azobenzene	180	U	8.5	180	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	7.1	180	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	14.8	180	360	ug/Kg
1912-24-9	Atrazine	180	U	19.1	180	360	ug/Kg
87-86-5	Pentachlorophenol	180	U	24.8	180	360	ug/Kg
85-01-8	Phenanthrene	180	U	9.8	180	360	ug/Kg
120-12-7	Anthracene	180	U	7.4	180	360	ug/Kg
86-74-8	Carbazole	180	U	7.9	180	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	28.5	180	360	ug/Kg
206-44-0	Fluoranthene	180	U	7.3	180	360	ug/Kg
92-87-5	Benzidine	180	U	36.4	180	360	ug/Kg
129-00-0	Pyrene	180	U	8.7	180	360	ug/Kg



											1
Client:	P.W. Gross	ser Consul	ting				Date Collected:		11/15/12		
Project:	Canine Ke	nnel					Date Received:		11/16/12		
Client Sample ID:	WC001						SDG No.:		D4857		
Lab Sample ID:	D4857-01						Matrix:		SOIL		
Analytical Method:	SW8270D						% Moisture:		8		
Sample Wt/Vol:	30.02	Units:	g				Final Vol:		1000	uL	
Soil Aliquot Vol:			uL				Test:		SVOC-Ch	emtech Ful	11 -25
Extraction Type :				Decant	ed :	Ν	Level :		LOW		
Injection Volume :			GPC Fa	actor :	1.0		GPC Cleanup :	Ν		PH :	
											_

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079948.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
85-68-7	Butylbenzylphthalate	180	U	17.4	180	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	23.3	180	360	ug/Kg
56-55-3	Benzo(a)anthracene	180	U	17.3	180	360	ug/Kg
218-01-9	Chrysene	180	U	16.4	180	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	12.8	180	360	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	4.1	180	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	U	11.8	180	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	U	17.1	180	360	ug/Kg
50-32-8	Benzo(a)pyrene	180	U	7.8	180	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	12.1	180	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	U	10.4	180	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	U	14.7	180	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	14.2	180	360	ug/Kg
123-91-1	1,4-Dioxane	180	U	14.2	180	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	14.2	180	360	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130		28 - 127		88%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		82%	SPK: 150
4165-60-0	Nitrobenzene-d5	92		31 - 132		92%	SPK: 100
321-60-8	2-Fluorobiphenyl	91		39 - 123		91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133		78%	SPK: 150
1718-51-0	Terphenyl-d14	88		37 - 115		88%	SPK: 100
INTERNAL STA	NDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	85364	8.2				
1146-65-2	Naphthalene-d8	324603	10.37				
15067-26-2	Acenaphthene-d10	173687	13.31				
1517-22-2	Phenanthrene-d10	297282	15.76				
1719-03-5	Chrysene-d12	283368	20.11				
1520-96-3	Perylene-d12	254720	23.33				
TENTATIVE ID	ENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1900	А			5.42	ug/Kg
007785-70-8	1RalphaPinene	320	J			7.06	ug/Kg



											- 1
Client:	P.W. Gross	ser Consul	ting				Date Collected:		11/15/12		
Project:	Canine Ke	nnel					Date Received:		11/16/12		
Client Sample ID:	WC001						SDG No.:		D4857		
Lab Sample ID:	D4857-01						Matrix:		SOIL		
Analytical Method:	SW8270D						% Moisture:		8		
Sample Wt/Vol:	30.02	Units:	g				Final Vol:		1000	uL	
Soil Aliquot Vol:			uL				Test:		SVOC-Ch	emtech Full -25	5
Extraction Type :				Decanted	1:	Ν	Level :		LOW		
Injection Volume :			GPC Fac	ctor : 1	1.0		GPC Cleanup :	Ν	]	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079948.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown7.81	3800	J			7.81	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J			16.62	ug/Kg
002437-79-8	1,1-Biphenyl, 2,2,4,4-tetrachlo	540	J			16.79	ug/Kg
052663-58-8	1,1-Biphenyl, 2,3,4,6-tetrachlor	550	J			17.6	ug/Kg
038380-01-7	1,1-Biphenyl, 2,2,4,4,5-pentach	1100	J			17.63	ug/Kg
029887-33-0	(2,3,4,5-Tetrachloro-2,4-cyclopent	350	J			17.86	ug/Kg
038380-03-9	1,1-Biphenyl, 2,3,3,4,6-pentach	660	J			18	ug/Kg
039485-83-1	1,1-Biphenyl, 2,2,4,4,6-Pentach	630	J			18.21	ug/Kg
041464-51-1	1,1-Biphenyl, 2,2,3,4,5-Pentach	1000	J			18.29	ug/Kg
	unknown18.56	430	J			18.56	ug/Kg
052712-04-6	1,1-Biphenyl, 2,2,3,4,5,5-hexac	1300	J			18.7	ug/Kg
031508-00-6	1,1-Biphenyl, 2,3,4,4,5-pentach	2300	J			18.75	ug/Kg
052663-72-6	1,1-Biphenyl, 2,3,4,4,5,5-hexa	1400	J			19.01	ug/Kg
035694-04-3	1,1-Biphenyl, 2,2,3,3,5,5-Hexa	890	J			19.06	ug/Kg
060145-21-3	1,1-Biphenyl, 2,2,4,5,6-Pentach	940	J			19.08	ug/Kg
041411-62-5	1,1-Biphenyl, 2,3,3,4,5,6-hexach	350	J			19.18	ug/Kg
032774-16-6	1,1-Biphenyl, 3,3,4,4,5,5-hexa	2900	J			19.36	ug/Kg
035065-28-2	1,1-Biphenyl, 2,2,3,4,4,5-hexa	680	J			19.71	ug/Kg
018835-32-0	1-Tricosene	580	J			19.82	ug/Kg
038380-07-3	1,1-Biphenyl, 2,2,3,3,4,4-hexa	280	J			20	ug/Kg
074472-51-8	1,1-Biphenyl, 2,3,3,4,5,5,6-hep	300	J			20.19	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC001(B)	SDG No.:	D4857
Lab Sample ID:	D4857-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	7
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch	: Dilution:	Prep Date	Date A	Analyzed		Prep Batch ID	
VF036050.D	1		11/19/	12		VF111912	
CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.7	U	0.7	2.7	5.4	ug/Kg
74-87-3	Chloromethane	2.7	U	0.92	2.7	5.4	ug/Kg
75-01-4	Vinyl Chloride	2.7	U	1.3	2.7	5.4	ug/Kg
141-78-6	Ethyl Acetate	2.7	U	0.93	2.7	5.4	ug/Kg
108-21-4	Isopropyl Acetate	2.7	U	1.3	2.7	5.4	ug/Kg
628-63-7	N-amyl acetate	2.7	U	1	2.7	5.4	ug/Kg
74-83-9	Bromomethane	2.7	U	2.6	2.7	5.4	ug/Kg
75-00-3	Chloroethane	2.7	U	1.5	2.7	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	1.4	2.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	1.4	2.7	5.4	ug/Kg
75-65-0	Tert butyl alcohol	13.5	U	8	13.5	27	ug/Kg
60-29-7	Diethyl Ether	2.7	U	2.1	2.7	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.7	U	1.6	2.7	5.4	ug/Kg
107-02-8	Acrolein	13.5	U	4.3	13.5	27	ug/Kg
107-13-1	Acrylonitrile	13.5	U	5.3	13.5	27	ug/Kg
67-64-1	Acetone	13.5	U	3.2	13.5	27	ug/Kg
75-15-0	Carbon Disulfide	2.7	U	1.1	2.7	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	1	2.7	5.4	ug/Kg
79-20-9	Methyl Acetate	2.7	U	1.6	2.7	5.4	ug/Kg
75-09-2	Methylene Chloride	3.6	J	1.5	2.7	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.7	U	0.74	2.7	5.4	ug/Kg
108-05-4	Vinyl Acetate	13.5	U	3.7	13.5	27	ug/Kg
75-34-3	1,1-Dichloroethane	2.7	U	1	2.7	5.4	ug/Kg
110-82-7	Cyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
78-93-3	2-Butanone	13.5	U	3.3	13.5	27	ug/Kg
56-23-5	Carbon Tetrachloride	2.7	U	1.1	2.7	5.4	ug/Kg
594-20-7	2,2-Dichloropropane	2.7	U	1.1	2.7	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.7	U	0.96	2.7	5.4	ug/Kg
74-97-5	Bromochloromethane	2.7	U	0.85	2.7	5.4	ug/Kg
67-66-3	Chloroform	2.7	U	0.79	2.7	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.7	U	0.94	2.7	5.4	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC001(B)	SDG No.:	D4857
Lab Sample ID:	D4857-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	7
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch	Dilution:	Prep Date	Date A	Analyzed		Prep Batch ID	
VF036050.D	1		11/19/	/12		VF111912	
CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
108-87-2	Methylcyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
563-58-6	1,1-Dichloropropene	2.7	U	0.49	2.7	5.4	ug/Kg
71-43-2	Benzene	2.7	U	0.41	2.7	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	0.69	2.7	5.4	ug/Kg
79-01-6	Trichloroethene	2.7	U	0.92	2.7	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.7	U	0.28	2.7	5.4	ug/Kg
74-95-3	Dibromomethane	2.7	U	0.84	2.7	5.4	ug/Kg
75-27-4	Bromodichloromethane	2.7	U	0.67	2.7	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	3.1	13.5	27	ug/Kg
108-88-3	Toluene	2.7	U	0.69	2.7	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.7	U	0.85	2.7	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.7	U	0.77	2.7	5.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.7	U	0.97	2.7	5.4	ug/Kg
142-28-9	1,3-Dichloropropane	2.7	U	0.79	2.7	5.4	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	13.5	U	12	13.5	27	ug/Kg
591-78-6	2-Hexanone	13.5	U	4.2	13.5	27	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	0.58	2.7	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	0.69	2.7	5.4	ug/Kg
127-18-4	Tetrachloroethene	2.7	U	1.1	2.7	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	0.54	2.7	5.4	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U	0.46	2.7	5.4	ug/Kg
67-72-1	Hexachloroethane	2.7	U	0.82	2.7	5.4	ug/Kg
100-41-4	Ethyl Benzene	2.7	U	0.67	2.7	5.4	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.77	5.5	11	ug/Kg
95-47-6	o-Xylene	2.7	U	0.73	2.7	5.4	ug/Kg
100-42-5	Styrene	2.7	U	0.48	2.7	5.4	ug/Kg
75-25-2	Bromoform	2.7	U	0.79	2.7	5.4	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	0.52	2.7	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	0.49	2.7	5.4	ug/Kg
96-18-4	1,2,3-Trichloropropane	2.7	U	0.53	2.7	5.4	ug/Kg
108-86-1	Bromobenzene	2.7	U	0.56	2.7	5.4	ug/Kg
103-65-1	n-propylbenzene	2.7	U	0.39	2.7	5.4	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC001(B)	SDG No.:	D4857
Lab Sample ID:	D4857-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	7
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date A	Analyzed		Prep Batch ID	
VF036050.D	1		11/19/12			VF111912	
AS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.7	U	0.79	2.7	5.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2.7	U	0.48	2.7	5.4	ug/Kg
106-43-4	4-Chlorotoluene	2.7	U	0.67	2.7	5.4	ug/Kg
98-06-6	tert-Butylbenzene	2.7	U	0.63	2.7	5.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.7	U	0.54	2.7	5.4	ug/Kg
135-98-8	sec-Butylbenzene	2.7	U	0.56	2.7	5.4	ug/Kg
99-87-6	p-Isopropyltoluene	2.7	U	0.31	2.7	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.7	U	0.4	2.7	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	0.44	2.7	5.4	ug/Kg
104-51-8	n-Butylbenzene	2.7	U	0.49	2.7	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.7	U	0.67	2.7	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	U	0.93	2.7	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.7	U	0.75	2.7	5.4	ug/Kg
87-68-3	Hexachlorobutadiene	2.7	U	0.85	2.7	5.4	ug/Kg
91-20-3	Naphthalene	2.7	U	0.48	2.7	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	U	0.54	2.7	5.4	ug/Kg
74-88-4	Methyl Iodide	5.4	U	5.4	5.4	5.4	ug/Kg
107-05-1	Allyl chloride	5.4	U	5.4	5.4	5.4	ug/Kg
126-98-7	Methacrylonitrile	5.4	U	5.4	5.4	5.4	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	5.4	U	5.4	5.4	5.4	ug/Kg
97-63-2	Ethyl methacrylate	5.4	U	5.4	5.4	5.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.9		56 - 120	)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	41.6		57 - 135	5	83%	SPK: 50
2037-26-5	Toluene-d8	42.4		67 - 123	3	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		33 - 141	l	82%	SPK: 50
INTERNAL STAN							
363-72-4	Pentafluorobenzene	168521	4.34				
540-36-3	1,4-Difluorobenzene	251259	5.08				
3114-55-4	Chlorobenzene-d5	210520	9.29				
3855-82-1	1,4-Dichlorobenzene-d4	75631	12.22				



#### Client: P.W. Grosser Consulting Date Collected: 11/15/12 Project: Canine Kennel Date Received: 11/16/12 Client Sample ID: WC001(B) SDG No.: D4857 Lab Sample ID: D4857-02 Matrix: SOIL Analytical Method: % Moisture: 7 SW8260C Sample Wt/Vol: 5.01 Units: Final Vol: 5000 uL g VOC- Chemtech Full Soil Aliquot Vol: uL Test: GC Column: RTX-VMS ID: 0.18 Level : LOW File ID/Oc Batch: Dilution. Pren Date Date Analyzed Pren Batch ID

#### **Report of Analysis**

(	CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
	VF036050.D	1		11/19/12	2		VF111912		
	File ID/QC Batch	I. Dilution.	Flep Date	Date Al	latyzeu		Flep Batch ID		

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution



Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC002	SDG No.:	D4857
Lab Sample ID:	D4857-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / C	CRQL Units Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.58	UN	1	0.26	0.58	1.16	mg/Kg 11/19/12	11/21/12	SW6010B
7440-38-2	Arsenic	1.51		1	0.15	0.23	0.46	mg/Kg 11/19/12	11/21/12	SW6010B
7440-41-7	Beryllium	0.07	U	1	0.03	0.07	0.14	mg/Kg 11/19/12	11/21/12	SW6010B
7440-43-9	Cadmium	0.7		1	0.03	0.07	0.14	mg/Kg 11/19/12	11/21/12	SW6010B
7440-47-3	Chromium	7.8	N*	1	0.06	0.115	0.23	mg/Kg 11/19/12	11/21/12	SW6010B
7440-50-8	Copper	39.5		1	0.15	0.23	0.46	mg/Kg 11/19/12	11/21/12	SW6010B
7439-92-1	Lead	30.3		1	0.06	0.14	0.28	mg/Kg 11/19/12	11/21/12	SW6010B
7439-97-6	Mercury	0.014		1	0.002	0.005	0.01	mg/Kg 11/16/12	11/19/12	SW7471A
7440-02-0	Nickel	4.38	*	1	0.21	0.465	0.93	mg/Kg 11/19/12	11/21/12	SW6010B
7782-49-2	Selenium	0.23	U	1	0.19	0.23	0.46	mg/Kg 11/19/12	11/21/12	SW6010B
7440-22-4	Silver	0.115	U*	1	0.07	0.115	0.23	mg/Kg 11/19/12	11/21/12	SW6010B
7440-28-0	Thallium	0.465	U	1	0.12	0.465	0.93	mg/Kg 11/19/12	11/21/12	SW6010B
7440-66-6	Zinc	94.9		1	0.32	0.465	0.93	mg/Kg 11/19/12	11/21/12	SW6010B

Color Before:	Brown	Clarity Before:	Texture: Medium
Color After:	Yellow	Clarity After:	Artifacts: No
Comments:	METALS-PP		
U = Not Detec	cted		J = Estimated Value
LOQ = Limit	of Quantitation		B = Analyte Found in Associated Method Blank
MDL = Metho	od Detection Limit		* = indicates the duplicate analysis is not within control limits.
LOD = Limit	of Detection		E = Indicates the reported value is estimated because of the presence
D = Dilution			of interference.
Q = indicates	LCS control criteria did not n	neet requirements	OR = Over Range
			N =Spiked sample recovery not within control limits



Client:	P.W. Grosser Consulting	5		Date Colle	cted:	11/15/12		
Project:	Canine Kennel			Date Recei	ved:	11/16/12		
Client Sample ID:	WC002			SDG No.:		D4857		
Lab Sample ID:	D4857-03			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	8	Decanted:	
Sample Wt/Vol:	30.03 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	ul	- 		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005455.D	1	11/19/12		11/23/12		PI	366939	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254		730	EP	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	19.2		10 - 1	66	96%	SPK: 20
2051-24-3	Decachlorobipheny	1	18.3		60 - 12	25	91%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/15/12		
Project:	Canine Kennel			Date Recei	ved:	11/16/12		
Client Sample ID:	WC002DL			SDG No.:		D4857		
Lab Sample ID:	D4857-03DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moistur	e:	8	Decanted:	
Sample Wt/Vol:	30.03 Units: g			Final Vol:		10000	uL	
Soil Aliquot Vol:	u	L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: <b>N/A</b>						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005456.D	10	11/19/12		11/23/12		PE	366939	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		90	UD	38	90	180	ug/Kg
11104-28-2	Aroclor-1221		90	UD	37	90	180	ug/Kg
11141-16-5	Aroclor-1232		90	UD	81	90	180	ug/Kg
53469-21-9	Aroclor-1242		90	UD	37	90	180	ug/Kg
12672-29-6	Aroclor-1248		90	UD	72	90	180	ug/Kg
11097-69-1	Aroclor-1254		730	DP	16	90	180	ug/Kg
11096-82-5	Aroclor-1260		90	UD	45	90	180	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ene	17.4		10 - 1	66	87%	SPK: 20
2051-24-3	Decachlorobipheny	7l	24.6		60 - 12	25	123%	SPK: 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.



Client:	P.W. Grosser Consulting		Date Collected:	11/15/12
Project:	Canine Kennel		Date Received:	11/16/12
Client Sample ID:	WC002		SDG No.:	D4857
Lab Sample ID:	D4857-03		Matrix:	SOIL
Analytical Method:	SW8270D		% Moisture:	8
Sample Wt/Vol:	30.08 Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:	uL		Test:	SVOC-Chemtech Full -25
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :	C	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date		Da	te Analyze	d	Prep Batch ID	
BE079949.D	1	11/19/12		11/	22/12		PB66941	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
62-75-9	n-Nitrosodimethylamine		180	U	18.6	180	360	ug/Kg
110-86-1	Pyridine		180	U	71.7	180	360	ug/Kg
100-52-7	Benzaldehyde		180	U	18.9	180	360	ug/Kg
62-53-3	Aniline		180	U	30.9	180	360	ug/Kg
108-95-2	Phenol		180	U	8.4	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether		180	U	17.4	180	360	ug/Kg
95-57-8	2-Chlorophenol		180	U	19.1	180	360	ug/Kg
95-50-1	1,2-Dichlorobenzene		180	U	13.8	180	360	ug/Kg
541-73-1	1,3-Dichlorobenzene		180	U	6.4	180	360	ug/Kg
106-46-7	1,4-Dichlorobenzene		180	U	12.4	180	360	ug/Kg
100-51-6	Benzyl Alcohol		180	U	13.6	180	360	ug/Kg
95-48-7	2-Methylphenol		180	U	19.7	180	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)		180	U	15	180	360	ug/Kg
98-86-2	Acetophenone		180	U	11.1	180	360	ug/Kg
65794-96-9	3+4-Methylphenols		180	U	18.8	180	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine		180	U	18.3	180	360	ug/Kg
67-72-1	Hexachloroethane		180	U	16.2	180	360	ug/Kg
98-95-3	Nitrobenzene		180	U	13.7	180	360	ug/Kg
78-59-1	Isophorone		180	U	11.1	180	360	ug/Kg
88-75-5	2-Nitrophenol		180	U	17.5	180	360	ug/Kg
105-67-9	2,4-Dimethylphenol		180	U	20.5	180	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane		180	U	20.9	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol		180	U	13.8	180	360	ug/Kg
120-82-1	1,2,4-Trichlorobenzene		180	U	13.8	180	360	ug/Kg
65-85-0	Benzoic acid		435	U	71.7	435	870	ug/Kg
91-20-3	Naphthalene		180	U	12.5	180	360	ug/Kg
106-47-8	4-Chloroaniline		180	U	25.5	180	360	ug/Kg
87-68-3	Hexachlorobutadiene		180	U	13.2	180	360	ug/Kg
105-60-2	Caprolactam		180	U	16.8	180	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol		180	U	16.1	180	360	ug/Kg
91-57-6	2-Methylnaphthalene		180	U	9.1	180	360	ug/Kg



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Client:	P.W. Gross	er Consul	ting				Date Collected:		11/15/12		
Project:	Canine Ke	nnel					Date Received:		11/16/12		
Client Sample ID:	WC002						SDG No.:		D4857		
Lab Sample ID:	D4857-03						Matrix:		SOIL		
Analytical Method:	SW8270D						% Moisture:		8		
Sample Wt/Vol:	30.08	Units:	g				Final Vol:		1000	uL	
Soil Aliquot Vol:			uL				Test:		SVOC-Cł	nemtech Full -2	5
Extraction Type :				Decan	ted :	Ν	Level :		LOW		
Injection Volume :			GPC F	Factor :	1.0		GPC Cleanup :	Ν		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079949.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	180	U	8.8	180	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	11.1	180	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	25.4	180	360	ug/Kg
92-52-4	1,1-Biphenyl	180	U	13.7	180	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	8.3	180	360	ug/Kg
88-74-4	2-Nitroaniline	180	U	16.1	180	360	ug/Kg
131-11-3	Dimethylphthalate	670		9.8	180	360	ug/Kg
208-96-8	Acenaphthylene	180	U	9.1	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	14.8	180	360	ug/Kg
99-09-2	3-Nitroaniline	180	U	23.3	180	360	ug/Kg
83-32-9	Acenaphthene	180	U	10.2	180	360	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	36.8	180	360	ug/Kg
100-02-7	4-Nitrophenol	180	U	67.3	180	360	ug/Kg
132-64-9	Dibenzofuran	180	U	14.1	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	10.1	180	360	ug/Kg
84-66-2	Diethylphthalate	180	U	5.7	180	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	19.7	180	360	ug/Kg
86-73-7	Fluorene	180	U	13.7	180	360	ug/Kg
100-01-6	4-Nitroaniline	180	U	47.2	180	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	20.8	180	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	8.7	180	360	ug/Kg
103-33-3	Azobenzene	180	U	8.5	180	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	7.1	180	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	14.8	180	360	ug/Kg
1912-24-9	Atrazine	180	U	19.1	180	360	ug/Kg
87-86-5	Pentachlorophenol	180	U	24.8	180	360	ug/Kg
85-01-8	Phenanthrene	180	U	9.8	180	360	ug/Kg
120-12-7	Anthracene	180	U	7.4	180	360	ug/Kg
86-74-8	Carbazole	180	U	7.9	180	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	28.5	180	360	ug/Kg
206-44-0	Fluoranthene	180	J	7.3	180	360	ug/Kg
92-87-5	Benzidine	180	U	36.4	180	360	ug/Kg
129-00-0	Pyrene	200	J	8.7	180	360	ug/Kg



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Client:	P.W. Gross	ser Consul	ting				Date Collected:		11/15/12		
Project:	Canine Ke	nnel					Date Received:		11/16/12		
Client Sample ID:	WC002						SDG No.:		D4857		
Lab Sample ID:	D4857-03						Matrix:		SOIL		
Analytical Method:	SW8270D						% Moisture:		8		
Sample Wt/Vol:	30.08	Units:	g				Final Vol:		1000	ul	L
Soil Aliquot Vol:			uL				Test:		SVOC-Ch	emtech Fu	ull -25
Extraction Type :				Decan	ted :	Ν	Level :		LOW		
Injection Volume :			GPC F	actor :	1.0		GPC Cleanup :	Ν		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079949.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
85-68-7	Butylbenzylphthalate	180	U	17.4	180	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	23.3	180	360	ug/Kg
56-55-3	Benzo(a)anthracene	180	U	17.3	180	360	ug/Kg
218-01-9	Chrysene	180	U	16.4	180	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	12.8	180	360	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	4.1	180	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	U	11.8	180	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	U	17.1	180	360	ug/Kg
50-32-8	Benzo(a)pyrene	180	U	7.8	180	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	12.1	180	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	U	10.4	180	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	U	14.7	180	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	14.2	180	360	ug/Kg
123-91-1	1,4-Dioxane	180	U	14.2	180	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	14.2	180	360	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130		28 - 127		87%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	93		31 - 132		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	92		39 - 123		92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133		80%	SPK: 150
1718-51-0	Terphenyl-d14	93		37 - 115		93%	SPK: 100
INTERNAL STA	ANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	89384	8.2				
1146-65-2	Naphthalene-d8	323651	10.37				
15067-26-2	Acenaphthene-d10	176213	13.32				
1517-22-2	Phenanthrene-d10	302310	15.77				
1719-03-5	Chrysene-d12	273422	20.11				
1520-96-3	Perylene-d12	248229	23.34				
TENTATIVE ID	ENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2000	А			5.43	ug/Kg
007785-70-8	1RalphaPinene	870	J			7.05	ug/Kg



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Client:	P.W. Gross	er Consul	ting			Date Collected: 11/15/12				L
Project:	Canine Ke	nnel				Date Received:		11/16/12		L
Client Sample ID:	WC002					SDG No.:		D4857		L
Lab Sample ID:	D4857-03					Matrix:		SOIL		L
Analytical Method:	SW8270D					% Moisture:		8		L
Sample Wt/Vol:	30.08	Units:	g			Final Vol:		1000	uL	L
Soil Aliquot Vol:			uL			Test:		SVOC-Chem	tech Full -25	L
Extraction Type :			Dec	canted :	Ν	Level :		LOW		L
Injection Volume :			GPC Factor	: 1.0		GPC Cleanup :	Ν	РН	:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079949.D	1	11/19/12	11/22/12	PB66941

CAS Number Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000127-91-3	.betaPinene	310	J			7.74	ug/Kg
	unknown7.81	3700	J			7.81	ug/Kg
000541-02-6	Cyclopentasiloxane, decamethyl-	100	J			9.53	ug/Kg
000094-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	110	J			11.41	ug/Kg
000498-07-7	1,6-AnhydrobetaD-glucopyranose	87	J			13.12	ug/Kg
000593-49-7	Heptacosane	220	J			15.56	ug/Kg
025128-48-7	Selenide, ethyl 1-methyl-1-penten-	110	J			15.86	ug/Kg
000112-95-8	Eicosane	140	J			16.26	ug/Kg
000057-10-3	n-Hexadecanoic acid	370	J			16.63	ug/Kg
000057-11-4	Octadecanoic acid	190	J			17.91	ug/Kg
001330-86-5	Diisooctyl adipate	120	J			19.25	ug/Kg
001740-19-8	1-Phenanthrenecarboxylic acid, 1,2	300	J			19.77	ug/Kg
000296-56-0	Cycloeicosane	480	J			19.82	ug/Kg
005638-09-5	Cyclopentane, (4-octyldodecyl)-	210	J			21.02	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC002(B)	SDG No.:	D4857
Lab Sample ID:	D4857-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	7
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch: Dilution:		Prep Date	Prep Date Date Analyzed				Prep Batch ID			
VF036071.D	1		11/20/	/12		VF112012				
CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units			
TARGETS										
75-71-8	Dichlorodifluoromethane	2.7	U	0.7	2.7	5.4	ug/Kg			
74-87-3	Chloromethane	2.7	U	0.92	2.7	5.4	ug/Kg			
75-01-4	Vinyl Chloride	2.7	U	1.3	2.7	5.4	ug/Kg			
141-78-6	Ethyl Acetate	2.7	U	0.94	2.7	5.4	ug/Kg			
108-21-4	Isopropyl Acetate	2.7	U	1.3	2.7	5.4	ug/Kg			
628-63-7	N-amyl acetate	2.7	U	1	2.7	5.4	ug/Kg			
74-83-9	Bromomethane	2.7	U	2.6	2.7	5.4	ug/Kg			
75-00-3	Chloroethane	2.7	U	1.5	2.7	5.4	ug/Kg			
75-69-4	Trichlorofluoromethane	2.7	U	1.4	2.7	5.4	ug/Kg			
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	1.4	2.7	5.4	ug/Kg			
75-65-0	Tert butyl alcohol	13.5	U	8	13.5	27	ug/Kg			
60-29-7	Diethyl Ether	2.7	U	2.1	2.7	5.4	ug/Kg			
75-35-4	1,1-Dichloroethene	2.7	U	1.6	2.7	5.4	ug/Kg			
107-02-8	Acrolein	13.5	U	4.3	13.5	27	ug/Kg			
107-13-1	Acrylonitrile	13.5	U	5.3	13.5	27	ug/Kg			
67-64-1	Acetone	40		3.2	13.5	27	ug/Kg			
75-15-0	Carbon Disulfide	2.7	U	1.1	2.7	5.4	ug/Kg			
1634-04-4	Methyl tert-butyl Ether	2.7	U	1	2.7	5.4	ug/Kg			
79-20-9	Methyl Acetate	2.7	U	1.6	2.7	5.4	ug/Kg			
75-09-2	Methylene Chloride	2.2	J	1.5	2.7	5.4	ug/Kg			
156-60-5	trans-1,2-Dichloroethene	2.7	U	0.74	2.7	5.4	ug/Kg			
108-05-4	Vinyl Acetate	13.5	U	3.7	13.5	27	ug/Kg			
75-34-3	1,1-Dichloroethane	2.7	U	1	2.7	5.4	ug/Kg			
110-82-7	Cyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg			
78-93-3	2-Butanone	13.5	U	3.3	13.5	27	ug/Kg			
56-23-5	Carbon Tetrachloride	2.7	U	1.1	2.7	5.4	ug/Kg			
594-20-7	2,2-Dichloropropane	2.7	U	1.1	2.7	5.4	ug/Kg			
156-59-2	cis-1,2-Dichloroethene	2.7	U	0.96	2.7	5.4	ug/Kg			
74-97-5	Bromochloromethane	2.7	U	0.85	2.7	5.4	ug/Kg			
67-66-3	Chloroform	2.7	U	0.8	2.7	5.4	ug/Kg			
71-55-6	1,1,1-Trichloroethane	2.7	U	0.95	2.7	5.4	ug/Kg			

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC002(B)	SDG No.:	D4857
Lab Sample ID:	D4857-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	7
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch: VF036071.D	Dilution:	Prep Date	Date /	Analyzed		Prep Batch ID VF112012	
AS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
108-87-2	Methylcyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
563-58-6	1,1-Dichloropropene	2.7	U	0.49	2.7	5.4	ug/Kg
71-43-2	Benzene	2.7	U	0.41	2.7	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	0.69	2.7	5.4	ug/Kg
79-01-6	Trichloroethene	2.7	U	0.92	2.7	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.7	U	0.28	2.7	5.4	ug/Kg
74-95-3	Dibromomethane	2.7	U	0.84	2.7	5.4	ug/Kg
75-27-4	Bromodichloromethane	2.7	U	0.67	2.7	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	3.1	13.5	27	ug/Kg
108-88-3	Toluene	2.7	U	0.69	2.7	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.7	U	0.85	2.7	5.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.7	U	0.77	2.7	5.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.7	U	0.97	2.7	5.4	ug/Kg
142-28-9	1,3-Dichloropropane	2.7	U	0.8	2.7	5.4	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	13.5	U	12	13.5	27	ug/Kg
591-78-6	2-Hexanone	13.5	U	4.2	13.5	27	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	0.58	2.7	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	0.69	2.7	5.4	ug/Kg
127-18-4	Tetrachloroethene	2.7	U	1.1	2.7	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	0.54	2.7	5.4	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	2.7	U	0.46	2.7	5.4	ug/Kg
67-72-1	Hexachloroethane	2.7	U	0.82	2.7	5.4	ug/Kg
100-41-4	Ethyl Benzene	2.7	U	0.67	2.7	5.4	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.77	5.5	11	ug/Kg
95-47-6	o-Xylene	2.7	U	0.73	2.7	5.4	ug/Kg
100-42-5	Styrene	2.7	U	0.48	2.7	5.4	ug/Kg
75-25-2	Bromoform	2.7	U	0.8	2.7	5.4	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	0.52	2.7	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	0.49	2.7	5.4	ug/Kg
96-18-4	1,2,3-Trichloropropane	2.7	U	0.53	2.7	5.4	ug/Kg
108-86-1	Bromobenzene	2.7	U	0.56	2.7	5.4	ug/Kg
103-65-1	n-propylbenzene	2.7	U	0.39	2.7	5.4	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC002(B)	SDG No.:	D4857
Lab Sample ID:	D4857-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	7
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID	
VF036071.D	1		11/20/12	VF112012	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.7	U	0.8	2.7	5.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2.7	U	0.48	2.7	5.4	ug/Kg
106-43-4	4-Chlorotoluene	2.7	U	0.67	2.7	5.4	ug/Kg
98-06-6	tert-Butylbenzene	2.7	U	0.63	2.7	5.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.7	U	0.54	2.7	5.4	ug/Kg
135-98-8	sec-Butylbenzene	2.7	U	0.56	2.7	5.4	ug/Kg
99-87-6	p-Isopropyltoluene	2.7	U	0.31	2.7	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.7	U	0.4	2.7	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	0.44	2.7	5.4	ug/Kg
104-51-8	n-Butylbenzene	2.7	U	0.49	2.7	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.7	U	0.67	2.7	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	U	0.94	2.7	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.7	U	0.75	2.7	5.4	ug/Kg
87-68-3	Hexachlorobutadiene	2.7	U	0.85	2.7	5.4	ug/Kg
91-20-3	Naphthalene	2.7	U	0.48	2.7	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	UQ	0.54	2.7	5.4	ug/Kg
74-88-4	Methyl Iodide	5.4	U	5.4	5.4	5.4	ug/Kg
107-05-1	Allyl chloride	5.4	U	5.4	5.4	5.4	ug/Kg
126-98-7	Methacrylonitrile	5.4	U	5.4	5.4	5.4	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	5.4	U	5.4	5.4	5.4	ug/Kg
97-63-2	Ethyl methacrylate	5.4	U	5.4	5.4	5.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.3		56 - 12	0	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		57 - 13	5	98%	SPK: 50
2037-26-5	Toluene-d8	50.6		67 - 12	3	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		33 - 14	1	97%	SPK: 50
INTERNAL ST							
363-72-4	Pentafluorobenzene	150912	4.34				
540-36-3	1,4-Difluorobenzene	215652	5.08				
3114-55-4	Chlorobenzene-d5	177864	9.29				
3855-82-1	1,4-Dichlorobenzene-d4	80110	12.21				



#### Client: P.W. Grosser Consulting Date Collected: 11/15/12 Project: Canine Kennel Date Received: 11/16/12 Client Sample ID: WC002(B) SDG No.: D4857 Lab Sample ID: D4857-04 Matrix: SOIL Analytical Method: % Moisture: 7 SW8260C Sample Wt/Vol: 5 Units: Final Vol: 5000 uL g VOC- Chemtech Full Soil Aliquot Vol: uL Test: GC Column: RTX-VMS ID: 0.18 Level : LOW File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date 1 VF036071.D 11/20/12 VF112012 **CAS Number** Conc. Qualifier MDL LOD LOQ / CRQL Units Parameter

#### **Report of Analysis**

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution



Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC003	SDG No.:	D4857
Lab Sample ID:	D4857-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / C	CRQL Units Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.565	UN	1	0.25	0.565	1.13	mg/Kg 11/19/12	11/21/12	SW6010B
7440-38-2	Arsenic	1.65		1	0.15	0.225	0.45	mg/Kg 11/19/12	11/21/12	SW6010B
7440-41-7	Beryllium	0.07	U	1	0.03	0.07	0.14	mg/Kg 11/19/12	11/21/12	SW6010B
7440-43-9	Cadmium	1.76		1	0.03	0.07	0.14	mg/Kg 11/19/12	11/21/12	SW6010B
7440-47-3	Chromium	8.45	N*	1	0.06	0.115	0.23	mg/Kg 11/19/12	11/21/12	SW6010B
7440-50-8	Copper	35.2		1	0.14	0.225	0.45	mg/Kg 11/19/12	11/21/12	SW6010B
7439-92-1	Lead	33.4		1	0.05	0.135	0.27	mg/Kg 11/19/12	11/21/12	SW6010B
7439-97-6	Mercury	0.023		1	0.002	0.005	0.01	mg/Kg 11/16/12	11/19/12	SW7471A
7440-02-0	Nickel	5.74	*	1	0.21	0.45	0.9	mg/Kg 11/19/12	11/21/12	SW6010B
7782-49-2	Selenium	0.225	U	1	0.19	0.225	0.45	mg/Kg 11/19/12	11/21/12	SW6010B
7440-22-4	Silver	1.4	*	1	0.07	0.115	0.23	mg/Kg 11/19/12	11/21/12	SW6010B
7440-28-0	Thallium	0.21	J	1	0.12	0.45	0.9	mg/Kg 11/19/12	11/21/12	SW6010B
7440-66-6	Zinc	126		1	0.32	0.45	0.9	mg/Kg 11/19/12	11/21/12	SW6010B

Color Before:	Brown	Clarity Before:	Texture: Medium
Color After:	Yellow	Clarity After:	Artifacts: No
Comments:	METALS-PP		
U = Not Detec	cted		J = Estimated Value
LOQ = Limit	of Quantitation		B = Analyte Found in Associated Method Blank
MDL = Metho	od Detection Limit		* = indicates the duplicate analysis is not within control limits.
LOD = Limit	of Detection		E = Indicates the reported value is estimated because of the presence
D = Dilution			of interference.
Q = indicates	LCS control criteria did not me	eet requirements	OR = Over Range
		-	N =Spiked sample recovery not within control limits



Client:	P.W. Grosser Consultin	g		Date Colle	cted:	11/15/12		
Project:	Canine Kennel			Date Recei	ved:	11/16/12		
Client Sample ID:	WC003			SDG No.:		D4857		
Lab Sample ID:	D4857-05			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.04 Units: g			Final Vol:		10000	uL	
-	0						uL	
Soil Aliquot Vol:	ul	L		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 PH	: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyz	ed	Pr	ep Batch ID	
PO005457.D	1	11/19/12		11/23/12		PE	366939	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	U	7	9	18	ug/Kg
11097-69-1	Aroclor-1254		4800	EP	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260		9	U	4.4	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xyle	ne	29.1		10 - 10	66	145%	SPK: 20
077-07-0	Tetraemoro-m-xyre	lie	27.1		10 1	00	11070	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.



Client:	P.W. Grosser Consul	ting		Date Collec	cted:	11/15/12		
Project:	Canine Kennel			Date Recei	ved:	11/16/12		
Client Sample ID:	WC003DL			SDG No.:		D4857		
Lab Sample ID:	D4857-05DL			Matrix:		SOIL		
Analytical Method:	SW8082A			% Moisture	e:	6	Decanted:	
Sample Wt/Vol:	30.04 Units:	g		Final Vol:		10000	uL	
Soil Aliquot Vol:		uL		Test:		PCB		
Extraction Type:				Injection V	olume :	1		
GPC Factor :	1.0 I	PH: N/A						
File ID/Qc Batch:	Dilution:	Prep Date		Date Analyze	ed	Pre	ep Batch ID	
PO005458.D	20	11/19/12		11/23/12		PE	866939	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		180	UD	74	180	360	ug/Kg
11104-28-2	Aroclor-1221		180	UD	72	180	360	ug/Kg
11141-16-5	Aroclor-1232		180	UD	160	180	360	ug/Kg
53469-21-9	Aroclor-1242		180	UD	72	180	360	ug/Kg
12672-29-6	Aroclor-1248		180	UD	140	180	360	ug/Kg
11097-69-1	Aroclor-1254		4700	DP	32	180	360	ug/Kg
11096-82-5	Aroclor-1260		180	UD	87	180	360	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xy	lana	27.4		10 - 16	56	137%	SPK: 20
8//-09-8	Tetrachioro-m-xy	lene	27.4		10 - 10	50	13770	51  K. 20

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits

D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.



Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC003	SDG No.:	D4857
Lab Sample ID:	D4857-05	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-Chemtech Full -25
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:				Da	te Analyze	d	Prep Batch ID	
BE079950.D	1	11/19/12		11/	/22/12		PB66941	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
62-75-9	n-Nitrosodimethylamine		175	U	18.2	175	350	ug/Kg
110-86-1	Pyridine		175	U	70.3	175	350	ug/Kg
100-52-7	Benzaldehyde		175	U	18.5	175	350	ug/Kg
62-53-3	Aniline		175	U	30.2	175	350	ug/Kg
108-95-2	Phenol		175	U	8.2	175	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether		175	U	17	175	350	ug/Kg
95-57-8	2-Chlorophenol		175	U	18.7	175	350	ug/Kg
95-50-1	1,2-Dichlorobenzene		175	U	13.5	175	350	ug/Kg
541-73-1	1,3-Dichlorobenzene		175	U	6.3	175	350	ug/Kg
106-46-7	1,4-Dichlorobenzene		175	U	12.1	175	350	ug/Kg
100-51-6	Benzyl Alcohol		175	U	13.3	175	350	ug/Kg
95-48-7	2-Methylphenol		175	U	19.3	175	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)		175	U	14.7	175	350	ug/Kg
98-86-2	Acetophenone		175	U	10.9	175	350	ug/Kg
65794-96-9	3+4-Methylphenols		175	U	18.4	175	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine		175	U	17.9	175	350	ug/Kg
67-72-1	Hexachloroethane		175	U	15.9	175	350	ug/Kg
98-95-3	Nitrobenzene		175	U	13.4	175	350	ug/Kg
78-59-1	Isophorone		175	U	11.7	175	350	ug/Kg
88-75-5	2-Nitrophenol		175	U	17.1	175	350	ug/Kg
105-67-9	2,4-Dimethylphenol		175	U	20.1	175	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane		175	U	20.4	175	350	ug/Kg
120-83-2	2,4-Dichlorophenol		175	U	13.5	175	350	ug/Kg
120-82-1	1,2,4-Trichlorobenzene		175	U	13.5	175	350	ug/Kg
65-85-0	Benzoic acid		210	J	70.3	425	850	ug/Kg
91-20-3	Naphthalene		175	U	12.2	175	350	ug/Kg
106-47-8	4-Chloroaniline		175	U	25	175	350	ug/Kg
87-68-3	Hexachlorobutadiene		175	U	12.9	175	350	ug/Kg
105-60-2	Caprolactam		175	U	16.5	175	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol		175	U	15.8	175	350	ug/Kg
91-57-6	2-Methylnaphthalene		175	U	8.9	175	350	ug/Kg



Client:	P.W. Gross	er Consul	ting			Date Collected:		11/15/12			
Project:	Canine Ke	nnel					Date Received:	11/16/12			
Client Sample ID:	WC003						SDG No.:	D4857			
Lab Sample ID:	D4857-05						Matrix:		SOIL		
Analytical Method:	SW8270D						% Moisture:		6.1		
Sample Wt/Vol:	30.03	Units:	g				Final Vol:		1000	uL	
Soil Aliquot Vol:			uL				Test:		SVOC-Ch	emtech Full -25	
Extraction Type :				Decant	ed :	Ν	Level :		LOW		
Injection Volume :			GPC F	actor :	1.0		GPC Cleanup :	Ν		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079950.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	175	U	8.6	175	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	175	U	10.9	175	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	175	U	24.9	175	350	ug/Kg
92-52-4	1,1-Biphenyl	175	U	13.4	175	350	ug/Kg
91-58-7	2-Chloronaphthalene	175	U	8.1	175	350	ug/Kg
88-74-4	2-Nitroaniline	175	U	15.8	175	350	ug/Kg
131-11-3	Dimethylphthalate	600		9.6	175	350	ug/Kg
208-96-8	Acenaphthylene	175	U	8.9	175	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	175	U	14.5	175	350	ug/Kg
99-09-2	3-Nitroaniline	175	U	22.8	175	350	ug/Kg
83-32-9	Acenaphthene	175	U	10	175	350	ug/Kg
51-28-5	2,4-Dinitrophenol	175	U	36.1	175	350	ug/Kg
100-02-7	4-Nitrophenol	175	U	65.9	175	350	ug/Kg
132-64-9	Dibenzofuran	175	U	13.8	175	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	175	U	10.8	175	350	ug/Kg
84-66-2	Diethylphthalate	175	U	5.5	175	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	175	U	19.3	175	350	ug/Kg
86-73-7	Fluorene	175	U	13.4	175	350	ug/Kg
100-01-6	4-Nitroaniline	175	U	46.2	175	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	175	U	20.3	175	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	175	U	8.5	175	350	ug/Kg
103-33-3	Azobenzene	175	U	8.3	175	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	175	U	6.9	175	350	ug/Kg
118-74-1	Hexachlorobenzene	175	U	14.5	175	350	ug/Kg
1912-24-9	Atrazine	175	U	18.7	175	350	ug/Kg
87-86-5	Pentachlorophenol	175	U	24.3	175	350	ug/Kg
85-01-8	Phenanthrene	380		9.6	175	350	ug/Kg
120-12-7	Anthracene	175	U	7.2	175	350	ug/Kg
86-74-8	Carbazole	175	U	7.8	175	350	ug/Kg
84-74-2			U	27.9	175	350	ug/Kg
206-44-0	•			7.1	175	350	ug/Kg
92-87-5			U	35.7	175	350	ug/Kg
129-00-0	Pyrene	710		8.5	175	350	ug/Kg



Client:	P.W. Grosser Consulting						Date Collected:		11/15/12		
Project:	Canine Ke	nnel					Date Received:		11/16/12		
Client Sample ID:	WC003						SDG No.:		D4857		
Lab Sample ID:	D4857-05						Matrix:		SOIL		
Analytical Method:	SW8270D						% Moisture:		6.1		
Sample Wt/Vol:	30.03	Units:	g				Final Vol:		1000	uL	
Soil Aliquot Vol:			uL				Test:		SVOC-Ch	emtech Full -2	25
Extraction Type :				Decant	ed :	Ν	Level :		LOW		
Injection Volume :			GPC Fa	actor :	1.0		GPC Cleanup :	Ν	]	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079950.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
85-68-7	Butylbenzylphthalate	175	U	17	175	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	175	U	22.8	175	350	ug/Kg
56-55-3	Benzo(a)anthracene	360		16.9	175	350	ug/Kg
218-01-9	Chrysene	440		16.1	175	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	175	U	12.6	175	350	ug/Kg
117-84-0	Di-n-octyl phthalate	175	U	4	175	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	470		11.6	175	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	16.7	175	350	ug/Kg
50-32-8	Benzo(a)pyrene	360		7.7	175	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220	J	11.8	175	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	175	U	10.2	175	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	J	14.4	175	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	175	U	13.1	175	350	ug/Kg
123-91-1	1,4-Dioxane	175	U	13.1	175	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	175	U	13.1	175	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130		28 - 127	,	86%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127	,	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	93		31 - 132		93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93		39 - 123		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133		79%	SPK: 150
1718-51-0	Terphenyl-d14	92		37 - 115		92%	SPK: 100
INTERNAL STA	NDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80642	8.2				
1146-65-2	Naphthalene-d8	302819	10.37				
15067-26-2	Acenaphthene-d10	166312	13.32				
1517-22-2	Phenanthrene-d10	286157	15.77				
1719-03-5	Chrysene-d12	259010	20.11				
1520-96-3	Perylene-d12	234714	23.33				
TENTATIVE IDI	ENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1900	А			5.43	ug/Kg
007785-70-8	1RalphaPinene	370	J			7.06	ug/Kg



Client:	P.W. Gross	er Consul	lting		Date Collected:		11/15/12			
Project:	Canine Ke	nnel				Date Received:				
Client Sample ID:	WC003					SDG No.:		D4857		
Lab Sample ID:	D4857-05					Matrix:		SOIL		
Analytical Method:	SW8270D					% Moisture:		6.1		
Sample Wt/Vol:	30.03	Units:	g			Final Vol:		1000	uL	
Soil Aliquot Vol:			uL			Test:		SVOC-Chemtec	h Full -25	
Extraction Type :			Decant	ed :	Ν	Level :		LOW		
Injection Volume :			GPC Factor :	1.0		GPC Cleanup :	Ν	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079950.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown7.81	3800	J			7.81	ug/Kg
000541-02-6	Cyclopentasiloxane, decamethyl-	97	J			9.53	ug/Kg
000498-07-7	1,6-AnhydrobetaD-glucopyranose	88	J			13.12	ug/Kg
001461-22-9	Stannane, tributylchloro-	420	J			14.37	ug/Kg
000629-78-7	Heptadecane	89	J			14.82	ug/Kg
000593-45-3	Octadecane	230	J			15.55	ug/Kg
004425-82-5	9H-Fluorene, 9-methylene-	130	J			15.89	ug/Kg
000244-99-5	5H-Indeno[1,2-b]pyridine	83	J			16.13	ug/Kg
000112-95-8	Eicosane	120	J			16.25	ug/Kg
000057-10-3	n-Hexadecanoic acid	500	J			16.62	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	110	J			16.78	ug/Kg
038380-01-7	1,1-Biphenyl, 2,2,4,4,5-pentach	150	J			17.63	ug/Kg
000057-11-4	Octadecanoic acid	420	J			17.92	ug/Kg
074472-37-0	1,1-Biphenyl, 2,3,4,4,5-Pentachl	71	J			18	ug/Kg
035065-27-1	1,1-Biphenyl, 2,2,4,4,5,5-hexa	170	J			18.69	ug/Kg
056558-18-0	1,1-Biphenyl, 2,3,4,5,6-Pentach	160	J			18.75	ug/Kg
052663-72-6	1,1-Biphenyl, 2,3,4,4,5,5-hexa	130	J			19	ug/Kg
	unknown19.06	120	J			19.06	ug/Kg
038380-08-4	1,1-Biphenyl, 2,3,3,4,4,5-hexac	180	J			19.36	ug/Kg
015594-90-8	1-Heneicosanol	420	J			19.82	ug/Kg
000593-50-0	1-Triacontanol	260	J			21.02	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC003(B)	SDG No.:	D4857
Lab Sample ID:	D4857-06	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch: Dilution:		Prep Date	Date A	Analyzed		Prep Batch ID		
VF036052.D	1		11/19/12		VF111912			
CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
TARGETS								
75-71-8	Dichlorodifluoromethane	2.65	U	0.68	2.65	5.3	ug/Kg	
74-87-3	Chloromethane	2.65	U	0.91	2.65	5.3	ug/Kg	
75-01-4	Vinyl Chloride	2.65	U	1.3	2.65	5.3	ug/Kg	
141-78-6	Ethyl Acetate	2.65	U	0.92	2.65	5.3	ug/Kg	
108-21-4	Isopropyl Acetate	2.65	U	1.3	2.65	5.3	ug/Kg	
628-63-7	N-amyl acetate	2.65	U	0.99	2.65	5.3	ug/Kg	
74-83-9	Bromomethane	2.65	U	2.6	2.65	5.3	ug/Kg	
75-00-3	Chloroethane	2.65	U	1.5	2.65	5.3	ug/Kg	
75-69-4	Trichlorofluoromethane	2.65	U	1.4	2.65	5.3	ug/Kg	
76-13-1	1,1,2-Trichlorotrifluoroethane	2.65	U	1.4	2.65	5.3	ug/Kg	
75-65-0	Tert butyl alcohol	13	U	7.8	13	26	ug/Kg	
60-29-7	Diethyl Ether	2.65	U	2	2.65	5.3	ug/Kg	
75-35-4	1,1-Dichloroethene	2.65	U	1.5	2.65	5.3	ug/Kg	
107-02-8	Acrolein	13	U	4.2	13	26	ug/Kg	
107-13-1	Acrylonitrile	13	U	5.2	13	26	ug/Kg	
67-64-1	Acetone	13	U	3.2	13	26	ug/Kg	
75-15-0	Carbon Disulfide	2.65	U	1.1	2.65	5.3	ug/Kg	
1634-04-4	Methyl tert-butyl Ether	2.65	U	1	2.65	5.3	ug/Kg	
79-20-9	Methyl Acetate	2.65	U	1.6	2.65	5.3	ug/Kg	
75-09-2	Methylene Chloride	3.6	J	1.5	2.65	5.3	ug/Kg	
156-60-5	trans-1,2-Dichloroethene	2.65	U	0.73	2.65	5.3	ug/Kg	
108-05-4	Vinyl Acetate	13	U	3.7	13	26	ug/Kg	
75-34-3	1,1-Dichloroethane	2.65	U	0.99	2.65	5.3	ug/Kg	
110-82-7	Cyclohexane	2.65	U	1.1	2.65	5.3	ug/Kg	
78-93-3	2-Butanone	13	U	3.3	13	26	ug/Kg	
56-23-5	Carbon Tetrachloride	2.65	U	1	2.65	5.3	ug/Kg	
594-20-7	2,2-Dichloropropane	2.65	U	1.1	2.65	5.3	ug/Kg	
156-59-2	cis-1,2-Dichloroethene	2.65	U	0.94	2.65	5.3	ug/Kg	
74-97-5	Bromochloromethane	2.65	U	0.83	2.65	5.3	ug/Kg	
67-66-3	Chloroform	2.65	U	0.78	2.65	5.3	ug/Kg	
71-55-6	1,1,1-Trichloroethane	2.65	U	0.93	2.65	5.3	ug/Kg	

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC003(B)	SDG No.:	D4857
Lab Sample ID:	D4857-06	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch VF036052.D	Dilution:	Prep Date	Date A 11/19/	Analyzed		Prep Batch ID VF111912	
AS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
108-87-2	Methylcyclohexane	2.65	U	1.1	2.65	5.3	ug/Kg
563-58-6	1,1-Dichloropropene	2.65	U	0.48	2.65	5.3	ug/Kg
71-43-2	Benzene	2.65	U	0.4	2.65	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	2.65	U	0.67	2.65	5.3	ug/Kg
79-01-6	Trichloroethene	2.65	U	0.91	2.65	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	2.65	U	0.27	2.65	5.3	ug/Kg
74-95-3	Dibromomethane	2.65	U	0.82	2.65	5.3	ug/Kg
75-27-4	Bromodichloromethane	2.65	U	0.65	2.65	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13	U	3.1	13	26	ug/Kg
108-88-3	Toluene	2.65	U	0.67	2.65	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.65	U	0.83	2.65	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.65	U	0.76	2.65	5.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.65	U	0.95	2.65	5.3	ug/Kg
142-28-9	1,3-Dichloropropane	2.65	U	0.78	2.65	5.3	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	13	U	12	13	26	ug/Kg
591-78-6	2-Hexanone	13	U	4.1	13	26	ug/Kg
124-48-1	Dibromochloromethane	2.65	U	0.57	2.65	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	2.65	U	0.67	2.65	5.3	ug/Kg
127-18-4	Tetrachloroethene	2.65	U	1.1	2.65	5.3	ug/Kg
108-90-7	Chlorobenzene	2.65	U	0.53	2.65	5.3	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	2.65	U	0.45	2.65	5.3	ug/Kg
67-72-1	Hexachloroethane	2.65	U	0.8	2.65	5.3	ug/Kg
100-41-4	Ethyl Benzene	2.65	U	0.65	2.65	5.3	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.76	5.5	11	ug/Kg
95-47-6	o-Xylene	2.65	U	0.72	2.65	5.3	ug/Kg
100-42-5	Styrene	2.65	U	0.47	2.65	5.3	ug/Kg
75-25-2	Bromoform	2.65	U	0.78	2.65	5.3	ug/Kg
98-82-8	Isopropylbenzene	2.65	U	0.51	2.65	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.65	U	0.48	2.65	5.3	ug/Kg
96-18-4	1,2,3-Trichloropropane	2.65	U	0.52	2.65	5.3	ug/Kg
108-86-1	Bromobenzene	2.65	U	0.55	2.65	5.3	ug/Kg
103-65-1	n-propylbenzene	2.65	U	0.38	2.65	5.3	ug/Kg

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC003(B)	SDG No.:	D4857
Lab Sample ID:	D4857-06	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date A	Analyzed		Prep Batch ID	
VF036052.D	1		11/19/12			VF111912	
AS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.65	U	0.78	2.65	5.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2.65	U	0.47	2.65	5.3	ug/Kg
106-43-4	4-Chlorotoluene	2.65	U	0.65	2.65	5.3	ug/Kg
98-06-6	tert-Butylbenzene	2.65	U	0.62	2.65	5.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.65	U	0.53	2.65	5.3	ug/Kg
135-98-8	sec-Butylbenzene	2.65	U	0.55	2.65	5.3	ug/Kg
99-87-6	p-Isopropyltoluene	2.65	U	0.31	2.65	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.65	U	0.39	2.65	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.65	U	0.43	2.65	5.3	ug/Kg
104-51-8	n-Butylbenzene	2.65	U	0.48	2.65	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.65	U	0.65	2.65	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.65	U	0.92	2.65	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.65	U	0.74	2.65	5.3	ug/Kg
87-68-3	Hexachlorobutadiene	2.65	U	0.83	2.65	5.3	ug/Kg
91-20-3	Naphthalene	2.65	U	0.47	2.65	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.65	U	0.53	2.65	5.3	ug/Kg
74-88-4	Methyl Iodide	5.3	U	5.3	5.3	5.3	ug/Kg
107-05-1	Allyl chloride	5.3	U	5.3	5.3	5.3	ug/Kg
126-98-7	Methacrylonitrile	5.3	U	5.3	5.3	5.3	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	5.3	U	5.3	5.3	5.3	ug/Kg
97-63-2	Ethyl methacrylate	5.3	U	5.3	5.3	5.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.1		56 - 12	0	82%	SPK: 50
1868-53-7	Dibromofluoromethane	41.5		57 - 13		83%	SPK: 50
2037-26-5	Toluene-d8	43.8		67 - 12		88%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		33 - 14	1	91%	SPK: 50
INTERNAL STAN							
363-72-4	Pentafluorobenzene	165021	4.34				
540-36-3	1,4-Difluorobenzene	241247	5.09				
3114-55-4	Chlorobenzene-d5	204068	9.29				
3855-82-1	1,4-Dichlorobenzene-d4	88225	12.21				



#### Client: P.W. Grosser Consulting Date Collected: 11/15/12 Project: Canine Kennel Date Received: 11/16/12 Client Sample ID: WC003(B) SDG No.: D4857 Lab Sample ID: D4857-06 Matrix: SOIL Analytical Method: % Moisture: 5 SW8260C Sample Wt/Vol: 5 Units: Final Vol: 5000 uL g VOC- Chemtech Full Soil Aliquot Vol: uL Test: GC Column: RTX-VMS ID: 0.18 Level : LOW File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date 1 11/19/12 VF036052.D VF111912

Conc.

Qualifier

MDL

LOD

LOQ / CRQL

Units

#### **Report of Analysis**

U = Not Detected

**CAS Number** 

Parameter

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution



Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC004(CA)	SDG No.:	D4857
Lab Sample ID:	D4857-07	Matrix:	SOIL
		% Solid:	95

Parameter	Conc.	Qua	. DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity (as pH)	4.8		1	0	0	0	pН	11/19/12	11/19/12	SW9045C
Ignitability	NO		1	0	0	0	o C	11/19/12	11/19/12	1030
Reactive Cyanide	0.053	U	1	0.053	0.053	0.053	mg/Kg	11/09/12	11/19/12	9012B
Reactive Sulfide	10	U	1	10	10	10	mg/Kg	11/19/12	11/19/12	9034

Comments:

- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- D = Dilution
- Q = indicates LCS control criteria did not meet requirements
- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- \* = indicates the duplicate analysis is not within control limits.
- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits



			11/15/10
Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC004(CA)	SDG No.:	D4857
Lab Sample ID:	D4857-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ/C	CRQL Units Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	2900		1	0.37	1.1	2.2	mg/Kg 11/19/12	11/21/12	SW6010B
7440-36-0	Antimony	0.55	UN	1	0.25	0.55	1.1	mg/Kg 11/19/12	11/21/12	SW6010B
7440-38-2	Arsenic	0.79		1	0.15	0.22	0.44	mg/Kg 11/19/12	11/21/12	SW6010B
7440-39-3	Barium	4.85	Ν	1	0.18	1.1	2.2	mg/Kg 11/19/12	11/21/12	SW6010B
7440-41-7	Beryllium	0.065	U	1	0.03	0.065	0.13	mg/Kg 11/19/12	11/21/12	SW6010B
7440-43-9	Cadmium	0.03	J	1	0.03	0.065	0.13	mg/Kg 11/19/12	11/21/12	SW6010B
7440-70-2	Calcium	323	*	1	0.47	22	44	mg/Kg 11/19/12	11/21/12	SW6010B
7440-47-3	Chromium	4.71	N*	1	0.06	0.11	0.22	mg/Kg 11/19/12	11/21/12	SW6010B
7440-48-4	Cobalt	0.47	J	1	0.25	0.33	0.66	mg/Kg 11/19/12	11/21/12	SW6010B
7440-50-8	Copper	8.34		1	0.14	0.22	0.44	mg/Kg 11/19/12	11/21/12	SW6010B
7439-89-6	Iron	3120	*	1	0.59	1.1	2.2	mg/Kg 11/19/12	11/21/12	SW6010B
7439-92-1	Lead	7.86		1	0.05	0.13	0.26	mg/Kg 11/19/12	11/21/12	SW6010B
7439-95-4	Magnesium	174	*	1	2.02	22	44	mg/Kg 11/19/12	11/21/12	SW6010B
7439-96-5	Manganese	22.5	N*	1	0.08	0.22	0.44	mg/Kg 11/19/12	11/21/12	SW6010B
7439-97-6	Mercury	0.009	J	1	0.002	0.005	0.01	mg/Kg 11/16/12	11/19/12	SW7471A
7440-02-0	Nickel	2.58	*	1	0.2	0.44	0.88	mg/Kg 11/19/12	11/21/12	SW6010B
7440-09-7	Potassium	46.4		1	1.54	22	44	mg/Kg 11/19/12	11/21/12	SW6010B
7782-49-2	Selenium	0.22	U	1	0.18	0.22	0.44	mg/Kg 11/19/12	11/21/12	SW6010B
7440-22-4	Silver	0.15	J*	1	0.07	0.11	0.22	mg/Kg 11/19/12	11/21/12	SW6010B
7440-23-5	Sodium	16.2	JN*	1	1.11	22	44	mg/Kg 11/19/12	11/21/12	SW6010B
7440-28-0	Thallium	0.44	U	1	0.12	0.44	0.88	mg/Kg 11/19/12	11/21/12	SW6010B
7440-62-2	Vanadium	5.57		1	0.26	0.44	0.88	mg/Kg 11/19/12	11/21/12	SW6010B
7440-66-6	Zinc	27.6		1	0.31	0.44	0.88	mg/Kg 11/19/12	11/21/12	SW6010B

Brown	Clarity Before:	Text	ture:	Medium		
Yellow	Clarity After:	Artif	facts:	No		
METALS-TAL						
ted f Quantitation d Detection Limit f Detection		* = indicates the duplicate anal E = Indicates the reported value	lysis is n	not within control limits.		
		of interference. OR = Over Range				
	Yellow METALS-TAL ed f Quantitation I Detection Limit	Yellow Clarity After: METALS-TAL ed f Quantitation I Detection Limit	Yellow Clarity After: Arti METALS-TAL ed J = Estimated Value f Quantitation B = Analyte Found in Associat Detection Limit * = indicates the duplicate ana	Yellow Clarity After: Artifacts: METALS-TAL ed J = Estimated Value f Quantitation B = Analyte Found in Associated Meth Detection Limit * = indicates the duplicate analysis is r f Detection E = Indicates the reported value is estim		

N =Spiked sample recovery not within control limits



Client:	P.W. Grosser Consult	ing		Date Collec	cted:	11/15/12			
Project:	Canine Kennel			Date Receiv	ved:	11/16/12			
Client Sample ID:	WC004(CA)			SDG No.:	1	D4857			
Lab Sample ID:	D4857-07			Matrix:	S	SOIL			
Analytical Method:	SW8082A			% Moisture	e: 5	5	Decanted:		
Sample Wt/Vol:	30.09 Units:	g		Final Vol:	1	10000	uL		
Soil Aliquot Vol:		uL		Test:	1	PCB			
Extraction Type:				Injection Vo	olume :	1			
GPC Factor :	1.0 P	H: N/A		-					
File ID/Qc Batch:	Dilution:	Prep Date	I	Date Analyze	ed	Pre	p Batch ID		
PO005463.D	10000				11/23/12		PB66939		
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
TARGETS									
12674-11-2	Aroclor-1016		90000	U	36000	90000	180000	ug/Kg	
11104-28-2	Aroclor-1221		90000	U	36000	90000	180000	ug/Kg	
11141-16-5	Aroclor-1232		90000	U	78000	90000	180000	ug/Kg	
53469-21-9	Aroclor-1242		90000	U	36000	90000	180000	ug/Kg	
12672-29-6	Aroclor-1248		90000	U	69000	90000	180000	ug/Kg	
11097-69-1	Aroclor-1254		3800000	Е	16000	90000	180000	ug/Kg	
11096-82-5	Aroclor-1260		90000	U	43000	90000	180000	ug/Kg	
SURROGATES									
077 00 0	T ( 11	1	83800	*	10 - 166		419000%	SPK: 20	
877-09-8	Tetrachloro-m-xy	lene	83800		10 - 100		41900076	SFK. 20	

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

 $\mathbf{S}=\mathbf{Indicates}$  estimated value where valid five-point calibration

was not performed prior to analyte detection in sample.



Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC004(CA)	SDG No.:	D4857
Lab Sample ID:	D4857-07	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-Chemtech Full -25
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :

File ID/Qc Batch:	Dilution:	Prep Date		Da	te Analyze	d	Prep Batch ID	
BE079951.D	1	11/19/12		11/	22/12		PB66941	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
62-75-9	n-Nitrosodimethylamine		175	U	18	175	350	ug/Kg
110-86-1	Pyridine		175	U	69.5	175	350	ug/Kg
100-52-7	Benzaldehyde		175	U	18.3	175	350	ug/Kg
62-53-3	Aniline		175	U	29.9	175	350	ug/Kg
108-95-2	Phenol		175	U	8.1	175	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether		175	U	16.8	175	350	ug/Kg
95-57-8	2-Chlorophenol		175	U	18.5	175	350	ug/Kg
95-50-1	1,2-Dichlorobenzene		175	U	13.4	175	350	ug/Kg
541-73-1	1,3-Dichlorobenzene		175	U	6.2	175	350	ug/Kg
106-46-7	1,4-Dichlorobenzene		175	U	12	175	350	ug/Kg
100-51-6	Benzyl Alcohol		175	U	13.2	175	350	ug/Kg
95-48-7	2-Methylphenol		175	U	19.1	175	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)		175	U	14.5	175	350	ug/Kg
98-86-2	Acetophenone		175	U	10.7	175	350	ug/Kg
65794-96-9	3+4-Methylphenols		175	U	18.2	175	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine		175	U	17.7	175	350	ug/Kg
67-72-1	Hexachloroethane		175	U	15.7	175	350	ug/Kg
98-95-3	Nitrobenzene		175	U	13.3	175	350	ug/Kg
78-59-1	Isophorone		175	U	11.6	175	350	ug/Kg
88-75-5	2-Nitrophenol		175	U	16.9	175	350	ug/Kg
105-67-9	2,4-Dimethylphenol		175	U	19.9	175	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane		175	U	20.2	175	350	ug/Kg
120-83-2	2,4-Dichlorophenol		175	U	13.4	175	350	ug/Kg
120-82-1	1,2,4-Trichlorobenzene		175	U	13.4	175	350	ug/Kg
65-85-0	Benzoic acid		420	U	69.5	420	840	ug/Kg
91-20-3	Naphthalene		175	U	12.1	175	350	ug/Kg
106-47-8	4-Chloroaniline		175	U	24.7	175	350	ug/Kg
87-68-3	Hexachlorobutadiene		175	U	12.7	175	350	ug/Kg
105-60-2	Caprolactam		175	U	16.3	175	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol		175	U	15.6	175	350	ug/Kg
91-57-6	2-Methylnaphthalene		175	U	8.8	175	350	ug/Kg



								1	
Client:	P.W. Gross	ser Consul	lting		Date Collected:		11/15/12		
Project:	Canine Ke	nnel			Date Received:		11/16/12		
Client Sample ID:	WC004(C.	A)			SDG No.:	D4857			
Lab Sample ID:	D4857-07				Matrix:		SOIL		
Analytical Method:	SW8270D				% Moisture:		5		
Sample Wt/Vol:	30.07	Units:	g		Final Vol:		1000	uL	
Soil Aliquot Vol:			uL		Test:		SVOC-Chemtech	r Full -25	
Extraction Type :			Decante	ted : N	Level :		LOW		
Injection Volume :			GPC Factor :	1.0	GPC Cleanup :	Ν	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079951.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	175	U	8.5	175	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	175	U	10.7	175	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	175	U	24.6	175	350	ug/Kg
92-52-4	1,1-Biphenyl	175	U	13.3	175	350	ug/Kg
91-58-7	2-Chloronaphthalene	175	U	8	175	350	ug/Kg
88-74-4	2-Nitroaniline	175	U	15.6	175	350	ug/Kg
131-11-3	Dimethylphthalate	560		9.5	175	350	ug/Kg
208-96-8	Acenaphthylene	175	U	8.8	175	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	175	U	14.3	175	350	ug/Kg
99-09-2	3-Nitroaniline	175	U	22.5	175	350	ug/Kg
83-32-9	Acenaphthene	175	U	9.9	175	350	ug/Kg
51-28-5	2,4-Dinitrophenol	175	U	35.7	175	350	ug/Kg
100-02-7	4-Nitrophenol	175	U	65.2	175	350	ug/Kg
132-64-9	Dibenzofuran	175	U	13.7	175	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	175	U	10.6	175	350	ug/Kg
84-66-2	Diethylphthalate	175	U	5.5	175	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	175	U	19.1	175	350	ug/Kg
86-73-7	Fluorene	175	U	13.3	175	350	ug/Kg
100-01-6	4-Nitroaniline	175	U	45.7	175	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	175	U	20.1	175	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	175	U	8.4	175	350	ug/Kg
103-33-3	Azobenzene	175	U	8.2	175	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	175	U	6.8	175	350	ug/Kg
118-74-1	Hexachlorobenzene	175	U	14.3	175	350	ug/Kg
1912-24-9	Atrazine	175	U	18.5	175	350	ug/Kg
87-86-5	Pentachlorophenol	175	U	24	175	350	ug/Kg
85-01-8	Phenanthrene	175	U	9.5	175	350	ug/Kg
120-12-7	Anthracene	175	U	7.2	175	350	ug/Kg
86-74-8	Carbazole	175	U	7.7	175	350	ug/Kg
84-74-2	Di-n-butylphthalate	175	U	27.6	175	350	ug/Kg
206-44-0	Fluoranthene	175	U	7.1	175	350	ug/Kg
92-87-5	Benzidine	175	U	35.3	175	350	ug/Kg
129-00-0	Pyrene	175	U	8.4	175	350	ug/Kg



Client:	P.W. Grosse	er Consult	ting		Date Collected:		11/15/12			
Project:	Canine Ken	inel				Date Received:		11/16/12		
Client Sample ID:	WC004(CA	<b>A</b> )				SDG No.:		D4857		
Lab Sample ID:	D4857-07					Matrix:		SOIL		
Analytical Method:	SW8270D					% Moisture:		5		
Sample Wt/Vol:	30.07	Units:	g			Final Vol:		1000	uL	
Soil Aliquot Vol:			uL			Test:		SVOC-Cl	nemtech Full -25	
Extraction Type :			Dec	canted :	Ν	Level :		LOW		
Injection Volume :			GPC Factor	: 1.0		GPC Cleanup :	Ν		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079951.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
85-68-7	Butylbenzylphthalate	175	U	16.8	175	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	175	U	22.5	175	350	ug/Kg
56-55-3	Benzo(a)anthracene	175	U	16.7	175	350	ug/Kg
218-01-9	Chrysene	175	U	15.9	175	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	175	U	12.4	175	350	ug/Kg
117-84-0	Di-n-octyl phthalate	175	U	4	175	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	175	U	11.5	175	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	175	U	16.5	175	350	ug/Kg
50-32-8	Benzo(a)pyrene	175	U	7.6	175	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	175	U	11.7	175	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	175	U	10.1	175	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	175	U	14.2	175	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	175	U	13.8	175	350	ug/Kg
123-91-1	1,4-Dioxane	175	U	13.8	175	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	175	U	13.8	175	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	120		28 - 127	1	83%	SPK: 150
13127-88-3	Phenol-d6	120		34 - 127	1	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	90		31 - 132	2	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	92		39 - 123	;	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		30 - 133	;	78%	SPK: 150
1718-51-0	Terphenyl-d14	96		37 - 115	i	96%	SPK: 100
INTERNAL STA							
3855-82-1	1,4-Dichlorobenzene-d4	84395	8.2				
1146-65-2	Naphthalene-d8	309316	10.37				
15067-26-2	Acenaphthene-d10	167317	13.32				
1517-22-2	Phenanthrene-d10	287472	15.77				
1719-03-5	Chrysene-d12	281240	20.11				
1520-96-3	Perylene-d12	246902	23.33				
TENTATIVE ID	DENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1800	А			5.43	ug/Kg
	unknown7.81	3600	J			7.81	ug/Kg



Client:	P.W. Grosse	er Consult	ting			Date Collected:		11/15/12		
Project:	Canine Ken	nel				Date Received:		11/16/12		
Client Sample ID:	WC004(CA	<b>A</b> )				SDG No.:		D4857		
Lab Sample ID:	D4857-07					Matrix:		SOIL		
Analytical Method:	SW8270D					% Moisture:		5		
Sample Wt/Vol:	30.07	Units:	g			Final Vol:		1000	uL	
Soil Aliquot Vol:			uL			Test:		SVOC-Chemt	ech Full -25	
Extraction Type :			De	canted :	Ν	Level :		LOW		
Injection Volume :			GPC Factor	r: 1.0		GPC Cleanup :	Ν	PH	:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079951.D	1	11/19/12	11/22/12	PB66941

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
032598-13-3	1,1-Biphenyl, 3,3,4,4-tetrachlo	8300	J			16.79	ug/Kg
002437-79-8	1,1-Biphenyl, 2,2,4,4-tetrachlo	1700	J			16.85	ug/Kg
041464-41-9	1,1-Biphenyl, 2,2,5,6-Tetrachlor	3500	J			17.07	ug/Kg
052663-58-8	1,1-Biphenyl, 2,3,4,6-tetrachlor	1300	J			17.56	ug/Kg
041464-42-0	1,1-Biphenyl, 2,3,5,5-tetrachlo	5700	J			17.61	ug/Kg
038380-01-7	1,1-Biphenyl, 2,2,4,4,5-pentach	12300	J			17.65	ug/Kg
041464-51-1	1,1-Biphenyl, 2,2,3,4,5-Pentach	1600	J			17.72	ug/Kg
038380-03-9	1,1-Biphenyl, 2,3,3,4,6-pentach	3500	J			17.86	ug/Kg
032598-14-4	1,1-Biphenyl, 2,3,3,4,4-pentach	4100	J			18	ug/Kg
039485-83-1	1,1-Biphenyl, 2,2,4,4,6-Pentach	3500	J			18.21	ug/Kg
	unknown18.29	6000	J			18.29	ug/Kg
029887-33-0	(2,3,4,5-Tetrachloro-2,4-cyclopent	2400	J			18.56	ug/Kg
052712-04-6	1,1-Biphenyl, 2,2,3,4,5,5-hexac	5900	J			18.7	ug/Kg
070424-70-3	1,1-Biphenyl, 2,3,4,5,5-Pentach	10200	J			18.76	ug/Kg
052663-72-6	1,1-Biphenyl, 2,3,4,4,5,5-hexa	6000	J			19.02	ug/Kg
038380-07-3	1,1-Biphenyl, 2,2,3,3,4,4-hexa	3700	J			19.06	ug/Kg
052663-61-3	1,1-Biphenyl, 2,2,3,5,5-pentach	3800	J			19.09	ug/Kg
038380-08-4	1,1-Biphenyl, 2,3,3,4,4,5-hexac	1700	J			19.18	ug/Kg
032774-16-6	1,1-Biphenyl, 3,3,4,4,5,5-hexa	10900	J			19.37	ug/Kg
	unknown19.71	2600	J			19.71	ug/Kg
035065-28-2	1,1-Biphenyl, 2,2,3,4,4,5-hexa	1300	J			20	ug/Kg
016840-84-9	10-Nonadecanol	1600	J			24.84	ug/Kg

# CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC004(B)	SDG No.:	D4857
Lab Sample ID:	D4857-08	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch	: Dilution:	Prep Date	Date A	Analyzed		Prep Batch ID	
VF036053.D	1		11/19/	/12		VF111912	
CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.65	U	0.68	2.65	5.3	ug/Kg
74-87-3	Chloromethane	2.65	U	0.91	2.65	5.3	ug/Kg
75-01-4	Vinyl Chloride	2.65	U	1.3	2.65	5.3	ug/Kg
141-78-6	Ethyl Acetate	2.65	U	0.92	2.65	5.3	ug/Kg
108-21-4	Isopropyl Acetate	2.65	U	1.3	2.65	5.3	ug/Kg
628-63-7	N-amyl acetate	2.65	U	0.99	2.65	5.3	ug/Kg
74-83-9	Bromomethane	2.65	U	2.6	2.65	5.3	ug/Kg
75-00-3	Chloroethane	2.65	U	1.5	2.65	5.3	ug/Kg
75-69-4	Trichlorofluoromethane	2.65	U	1.4	2.65	5.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.65	U	1.4	2.65	5.3	ug/Kg
75-65-0	Tert butyl alcohol	13	U	7.8	13	26	ug/Kg
60-29-7	Diethyl Ether	2.65	U	2	2.65	5.3	ug/Kg
75-35-4	1,1-Dichloroethene	2.65	U	1.5	2.65	5.3	ug/Kg
107-02-8	Acrolein	13	U	4.2	13	26	ug/Kg
107-13-1	Acrylonitrile	13	U	5.2	13	26	ug/Kg
67-64-1	Acetone	23	J	3.2	13	26	ug/Kg
75-15-0	Carbon Disulfide	2.65	U	1.1	2.65	5.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.65	U	1	2.65	5.3	ug/Kg
79-20-9	Methyl Acetate	2.65	U	1.6	2.65	5.3	ug/Kg
75-09-2	Methylene Chloride	3.4	J	1.5	2.65	5.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.65	U	0.73	2.65	5.3	ug/Kg
108-05-4	Vinyl Acetate	13	U	3.7	13	26	ug/Kg
75-34-3	1,1-Dichloroethane	2.65	U	0.99	2.65	5.3	ug/Kg
110-82-7	Cyclohexane	2.65	U	1.1	2.65	5.3	ug/Kg
78-93-3	2-Butanone	13	U	3.3	13	26	ug/Kg
56-23-5	Carbon Tetrachloride	2.65	U	1	2.65	5.3	ug/Kg
594-20-7	2,2-Dichloropropane	2.65	U	1.1	2.65	5.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.65	U	0.94	2.65	5.3	ug/Kg
74-97-5	Bromochloromethane	2.65	U	0.83	2.65	5.3	ug/Kg
67-66-3	Chloroform	2.65	U	0.78	2.65	5.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.65	U	0.93	2.65	5.3	ug/Kg

# CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC004(B)	SDG No.:	D4857
Lab Sample ID:	D4857-08	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch VF036053.D	Dilution:	Prep Date	Date A 11/19/	Analyzed		Prep Batch ID VF111912	
CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
108-87-2	Methylcyclohexane	2.65	U	1.1	2.65	5.3	ug/Kg
563-58-6	1,1-Dichloropropene	2.65	U	0.48	2.65	5.3	ug/Kg
71-43-2	Benzene	2.65	U	0.4	2.65	5.3	ug/Kg
107-06-2	1,2-Dichloroethane	2.65	U	0.67	2.65	5.3	ug/Kg
79-01-6	Trichloroethene	2.65	U	0.91	2.65	5.3	ug/Kg
78-87-5	1,2-Dichloropropane	2.65	U	0.27	2.65	5.3	ug/Kg
74-95-3	Dibromomethane	2.65	U	0.82	2.65	5.3	ug/Kg
75-27-4	Bromodichloromethane	2.65	U	0.65	2.65	5.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13	U	3.1	13	26	ug/Kg
108-88-3	Toluene	2.65	U	0.67	2.65	5.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.65	U	0.83	2.65	5.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.65	U	0.76	2.65	5.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.65	U	0.95	2.65	5.3	ug/Kg
142-28-9	1,3-Dichloropropane	2.65	U	0.78	2.65	5.3	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	13	U	12	13	26	ug/Kg
591-78-6	2-Hexanone	13	U	4.1	13	26	ug/Kg
124-48-1	Dibromochloromethane	2.65	U	0.57	2.65	5.3	ug/Kg
106-93-4	1,2-Dibromoethane	2.65	U	0.67	2.65	5.3	ug/Kg
127-18-4	Tetrachloroethene	2.65	U	1.1	2.65	5.3	ug/Kg
108-90-7	Chlorobenzene	2.65	U	0.53	2.65	5.3	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	2.65	U	0.45	2.65	5.3	ug/Kg
67-72-1	Hexachloroethane	2.65	U	0.8	2.65	5.3	ug/Kg
100-41-4	Ethyl Benzene	2.65	U	0.65	2.65	5.3	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.76	5.5	11	ug/Kg
95-47-6	o-Xylene	2.65	U	0.72	2.65	5.3	ug/Kg
100-42-5	Styrene	2.65	U	0.47	2.65	5.3	ug/Kg
75-25-2	Bromoform	2.65	U	0.78	2.65	5.3	ug/Kg
98-82-8	Isopropylbenzene	2.65	U	0.51	2.65	5.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.65	U	0.48	2.65	5.3	ug/Kg
96-18-4	1,2,3-Trichloropropane	2.65	U	0.52	2.65	5.3	ug/Kg
108-86-1	Bromobenzene	2.65	U	0.55	2.65	5.3	ug/Kg
103-65-1	n-propylbenzene	2.65	U	0.38	2.65	5.3	ug/Kg

# CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Client:	P.W. Grosser Consulting	Date Collected:	11/15/12
Project:	Canine Kennel	Date Received:	11/16/12
Client Sample ID:	WC004(B)	SDG No.:	D4857
Lab Sample ID:	D4857-08	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	5
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RTX-VMS ID: 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date A	Analyzed		Prep Batch ID	
VF036053.D	1		11/19/	/12		VF111912	
AS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
95-49-8	2-Chlorotoluene	2.65	U	0.78	2.65	5.3	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2.65	U	0.47	2.65	5.3	ug/Kg
106-43-4	4-Chlorotoluene	2.65	U	0.65	2.65	5.3	ug/Kg
98-06-6	tert-Butylbenzene	2.65	U	0.62	2.65	5.3	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.65	U	0.53	2.65	5.3	ug/Kg
135-98-8	sec-Butylbenzene	2.65	U	0.55	2.65	5.3	ug/Kg
99-87-6	p-Isopropyltoluene	2.65	U	0.31	2.65	5.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.65	U	0.39	2.65	5.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.65	U	0.43	2.65	5.3	ug/Kg
104-51-8	n-Butylbenzene	2.65	U	0.48	2.65	5.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.65	U	0.65	2.65	5.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.65	U	0.92	2.65	5.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.65	U	0.74	2.65	5.3	ug/Kg
87-68-3	Hexachlorobutadiene	2.65	U	0.83	2.65	5.3	ug/Kg
91-20-3	Naphthalene	2.65	U	0.47	2.65	5.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.65	U	0.53	2.65	5.3	ug/Kg
74-88-4	Methyl Iodide	5.3	U	5.3	5.3	5.3	ug/Kg
107-05-1	Allyl chloride	5.3	U	5.3	5.3	5.3	ug/Kg
126-98-7	Methacrylonitrile	5.3	U	5.3	5.3	5.3	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	5.3	U	5.3	5.3	5.3	ug/Kg
97-63-2	Ethyl methacrylate	5.3	U	5.3	5.3	5.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.6		56 - 120	C	87%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		57 - 13	5	90%	SPK: 50
2037-26-5	Toluene-d8	43.1		67 - 123	3	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.3		33 - 14	1	83%	SPK: 50
INTERNAL STAN							
363-72-4	Pentafluorobenzene	154185	4.35				
540-36-3	1,4-Difluorobenzene	227048	5.09				
3114-55-4	Chlorobenzene-d5	191783	9.29				
3855-82-1	1,4-Dichlorobenzene-d4	73094	12.22				



AS Number Param	eter	Conc.	Qualifier MDL	LOD LOQ / CRQL Units
VF036053.D	1		11/19/12	VF111912
File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
GC Column:	RTX-VMS II	D: 0.18	Level :	LOW
Soil Aliquot Vol:		uL	Test:	VOC- Chemtech Full
Sample Wt/Vol:	5 Units:	g	Final Vol:	5000 uL
Analytical Method:	SW8260C		% Moisture:	5
Lab Sample ID:	D4857-08		Matrix:	SOIL
Client Sample ID:	WC004(B)		SDG No.:	D4857
Project:	Canine Kennel		Date Receive	ed: 11/16/12
Client:	P.W. Grosser Consu	ting	Date Collecte	ed: 11/15/12

U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

## APPENDIX G WASTE MANIFESTS

WASTE MANAGEMENT	And a second state of the	ter-Log	10	10/20	
	Model City,	<b>nical Services, i</b> NY	nc. + 13	98436	Cubic Yards
8164	12500	×62635	56P1	GROSS	99200 1.8
Receipt # 995780		Trailer License F	Plate # and State		
Service Req. #			111263 in#	THEY DE M	1760 LB 2409
HORWIN		405	and the second se		201
Transporter Na		5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	r/Trailer/Roll-off #	SCALE &	1000
Driver's Name	ulqueen.	General	Ne Kennel		5
Scheduled Ar	rival <sup>.</sup>			OROSS	31760 LB
	Date	Time			
Actual Arrival:		6.00			02/26/13
	Date	Time In	Time Out		UG7 CD7 15
Arrived durin	ig Blackout? Y	/ N Notif	fied DEC? Y / N	Re	ceiving:
Leaker	Permit Viola	tion Plac	arding/Veh. I.D. Viol		Initials Comments
Other (spec	city				
Bulk to Lan	dfill 🗌 No	wet line 🏼 Fla	atbed 🗌 Stabil	lization Dru	ims Tanker Transformers
.aboratory	Time In	Time Out	Als		
	nme in	Time Out	Initials	Comments	
Stabilization					
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andfill			<u></u>	and the second second	
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	Time In	Time Out	Initials	Comments	
				the second second	
Aqueous					
Aqueous Treatment					
Aqueous Freatment	Time In	Time Out	Signature ( <u>NO</u> In	itials)	Comments
Aqueous Treatment	Time In	Time Out	Signature ( <u>NO</u> In	itials)	Comments
<b>Freatment</b>			Signature ( <u>NO</u> In	itials)	Comments
<b>Treatment</b>	Time In		Signature ( <u>NO</u> In	itials)	Comments
<b>Freatment</b>	rsonnel (pleas	se initial )		itials)	
freatment	rsonnel (pleas			itials)	CommentsLeaving truck unattended
freatment	rsonnel (pleas	se initial )	d areas	itials)	
freatment	rsonnel (pleas Smoking or Failure to o	se initial ) reating in prohibite bey instructions of	d areas facility personnel	itials) 	Leaving truck unattended Failure to display overweight flag
freatment	rsonnel (pleas Smoking or Failure to o	se initial ) r eating in prohibite	d areas facility personnel	itials)	Leaving truck unattended
<b>Freatment</b>	rsonnel (pleased) Smoking or Failure to o Failure to w	se initial ) reating in prohibite bey instructions of	d areas facility personnel	itials)	Leaving truck unattended Failure to display overweight flag Improper tarping or detarpin
<b>Freatment</b>	rsonnel (pleas Smoking or Failure to o Failure to w Unsafe driv	se initial ) r eating in prohibite bey instructions of reer appropriate PP ring practices	d areas facility personnel	itials)	Leaving truck unattended Failure to display overweight flag
freatment	rsonnel (pleased) Smoking or Failure to o Failure to w	se initial ) r eating in prohibite bey instructions of reer appropriate PP ring practices	d areas facility personnel	itials)	Leaving truck unattended Failure to display overweight flag Improper tarping or detarpin
freatment	rsonnel (pleas Smoking or Failure to o Failure to w Unsafe driv	se initial ) r eating in prohibite bey instructions of reer appropriate PP ring practices	d areas facility personnel		Leaving truck unattended Failure to display overweight flag Improper tarping or detarpin

UNIFORM HAZARDOUS	1. Generator ID Number	2. Page 1 c	f 3. Emergency Respons	se Phone	4. Manifest	Tracking N	lumber	I. OMB No	
WASTE MANIFEST	NYR000197939	1	516-816-4766		00	918	3154	10 J	JK
5. Generator's Name and Mailir Generator's Phone: 361-589	Former Canine Kennel Site Francis S. Gabreski Airpor Westhampton Beach, NY	t	Generator's Site Address	s (if different	than mailing addres	ss)			
6. Transporter 1 Company Nam	e				U.S. EPA ID N	lumber			-
7. Transporter 2 Company Nam	Horwith Trucks, Inc.			_			AD1467	14878	5.
re manaparter z odnipany nam	•				U.S. EPA ID N	lumber			
8. Designated Facility Name an	d Site Address CWM Chemical Service				U.S. EPAID N	lumber			-
Facility's Phone: 716-286-	1550 Balmer Road Model City, NY 14107	BS LLC				N	YD0498	36679	
9a. 9b. U.S. DOT Description HM and Packing Group (if a	on (including Proper Shipping Name, Hazard Class ny))	s, ID Number,	10. Conta No.	iners Type	11. Total Quantity	12. Unit WL/Vol.	13.	Waste Cod	es
X 1. UN3432, Pot	chlorinated Biphenyls, Solid		01	DT	EAD	K	8007		T
9, PGII, (800 ERG#171	7)(PCBs greater than 500 ppm)				20,000		5007	-	L
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3.					-	-		-	-
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and the second second									
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9b. 1) NY304008 SR4908780-1 5. GENERATOR'S/OFFEROF marked and labeled/placard Exporter, I certify that the cx I certify that the waste minin Generator's/Offeror's PrintedTwo	<b>DUT OF SERVICE</b> <b>RS CERTIFICATION:</b> I hereby declare that the co led, and are in all respects in proper condition for 1 ontents of this consignment conform to the terms of nization statement identified in 40 CFR 262.27(a) ed Name	ontents of this consignment transport according to appli of the attached EPA Acknow (if I am a large quantity gen	are fully and accurately de cable international and nati dedgment of Consent. erator) or (b) (if I am a sma	onal govern Il quantity ge	e by the proper ship nental regulations. I merator) is true.	pping name fexport shi	, and are cla pment and I Mor	ssilied, pack am the Prim	aged, ary Y
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Transporter Na	ume	Tracto	or/Trailer/Roll-off #		
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Scheduled A			<u>Same</u> and		Has
Actual Arriva	Date Date	Time 	Time Out	GROSS	8H 02/26/19 2 01560 LB 44300 2 01
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White: Records Green & Canary: Accts Rec. Pink: Environmental Goldenrod: Driver

UNIFORM HAZARDOUS	1. Generator ID Number	2. Page 1 d	of 3. Emergency Respon	ise Phone	4. Manifes	t Tracking I	m Approved		
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<ol> <li>Generator's Name and Mailin</li> <li>Generator's Phone 361-589-</li> </ol>	Former Canine Kennel Sil Francis S. Gabreski Airpo Westhampton Beach, NY	rt	Generator's Site Addres	ss (if different	than mailing addre	ess)			2
6. Transporter 1 Company Name				-	U.S. EPA ID	Number	-	-	
1	Horwith Trucks, Inc.				1	P	AD14671	4878	
7. Transporter 2 Company Name					U.S. EPA ID	Number			
8. Designated Facility Name and	Site Address	weddare.			U.S. EPA ID	Number	-	-	-
Facility's Phone: <b>716-286-0</b>	CWM Chemical Servic 1550 Baimer Road Model City, NY 14107 451				T.		YD04983	8879	
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Service Req. #	Profile #	Permi	183		/
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	Failure to we	ar appropriate PP	E		Improper tarping or detarpin
	Unsafe drivi	ng practices		-	Overweight upon arrival

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(Indicating receipt of Wash Bay pass, if necessary)

	ORM HAZARDOUS	1. Generator ID Nu			a. i ogo i i	of S. Emerge	ncy Response	e Phone	4. Manifest	Tracking N	umper	0.000	
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B. Des	signated Facility Name and	d Site Address	1	1.11.1.1	_				U.S. EPA ID N	lumber			-
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Model City	a de	0	SCRLT		
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198780 NY:	304066 1,	& 2C3	GROSS	79240 LE	/
Service Req. # Profile	e# Perr 4/:	nit# 30-131			1.8
Transporter Name	Tracto	or/Trailer/Roll-off #	16.16	0) 02/26/13 💋	1060
The Sherer Driver's Name	Genera	mere San	JANE MERDA		169201
cheduled Arrival:					1 215
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Date	Time In	Time Out			
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UNIFORM HAZARDOUS	1. Generator ID Number		2. Page 1 of	3. Emergency Respons	se Phone	4. Manifest	Tracking M	lumber	. OMB N	
WASTE MANIFEST	NYR000197939		1	516-816-4766		00	918	3154	3.	IJk
5. Generator's Name and Maili Generator's Phone: <b>361-58</b> 1	Former Canine Kenne Francis S. Gabresid Ai Westhampton Beach, 3-6363	irport	1	Generator's Site Address	s (if different	than mailing addre	ss)			
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9a. 9b. U.S. DOT Descripti	on (including Proper Shipping Name, Hazard	d Class, ID Number,		10. Contai	iners	11. Total	12. Unit			
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4. Special Handling Instruction 9b. 1) NY304066 SR#09878D-4		OF Ser	vice	11-23	-12	ne	VP	81	440	1 24
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UNIFORM HAZARDOUS WASTE MANIFEST		000197939		2. Page 1 of 1	3. Emergence 516-816-		se Phone	4. Manifes	Q15	Number 154	1.1	
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9a. 9b. U.S. DOT Description	ion (including Prop	per Shipping Name, Ha	zard Class, ID Numbe	er,		10. Conta	ainers	11. Total	12. Unit			14.
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5. Generator's Name an Generator's Phone:		ddress Former Canine Kennel Sil Francis S. Gabresid Airpo Westhampton Beach, NY	rt .	Generator's Site Addre	ss (Il different	than mailing addre	ss)	101		
5. Transporter 1 Compa	ny Name					U.S. EPA ID				-
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3. Designated Facility N Facility's Phone: <b>716</b> -		CWM Chemical Servic 1550 Balmer Road Model City, NY 14107				U,S. EPAID I		YD04983	6679	
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Driver's Name	Y ANOR	ZW> Formst Generato	CANINE K	SNAEL SITC		/	UV als
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	ned for use on elite (12-pitch) typewriter.) 1. Generator ID Number	12 Dave tot	1.2 F	Dhama	I Marillant		n Approved	. OND NO	. 2050-0
WASTE MANIFEST	NYR000197939	2. Page 1 of 1	516-816-4705		00		154	7 J	JK
<ol> <li>Generator's Name and Mailing</li> <li>Generator's Phone 361-589-</li> </ol>	Former Canine Kennel Site Francis S. Gabreski Airport Westhampton Beach, NY	1000	Generator's Site Address	s (if different	than mailing addre	ess)			
6. Transporter 1 Company Name					U.S. EPA ID	Number	T CR	1.0	-
	Horwith Trucks, Inc.						AD14671	4878	
7. Transporter 2 Company Name					U.S. EPA ID	Number			
3. Designated Facility Name and	Site Address	-			U.S. EPA ID	Number			-
Facility's Phone: <b>716-286-0</b>	CWM Chemical Service 1550 Balmar Road Model City, NY 14107 451	BLLC			1	N	7D04983	8679	
THE R. P. P. TR. DOC.	n (including Proper Shipping Name, Hazard Class	s, ID Number,	10. Conta	iners	11. Total	12. Unit			
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	Model City, I	٧Y		SCRLE 1
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Receipt #		Trailer License Plate	e # and State	GRUSS 73260 LB
Service Req. ( CRUITH Transporter Na	TRUCKS 1	NC. 416-		06/17 60 02/27/13
PODERT	STAINE	Chargest story		GROSS 32540 LB
Driver's Name		Generator		10, 10,
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Arrived duri	ng Blackout? Y	/ N Notified	d DEC? Y / M	N Receiving:
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Horwith Trustee.         PAD145714575           7. Transporter 2 Company Name         U.S. EPA ID Number           9. Designated Facility Name and Sile Address         U.S. EPA ID Number           CMMC Charmical Services LLC 1550 Bahmer Road and Peority Brone: 718-298-0481         U.S. EPA ID Number           80.         90. U.S. DOT Description (noducing Proper Shipping Name, Hazard Class, D Number: and Peority Brone: 718-298-0481         11. Total         12. Unit Number 2007/PCBs greater than 500 ppm)           X         U.S.B.Z. Polych-defacture and Peority Brone: 718-298-0481         10. Containers         11. Total         12. Unit Number 2007/PCBs greater than 500 ppm)           X         U.S.B.Z. Polych-defacture and Peority Brone: 718-298-0481         10.         Diff.         K         9007           X         U.S.B.Z. Polych-defacture and Peority Brone: 718-298-0481         11. Total         12. Unit Number 2007/PCBs greater than 500 ppm)         11. Total         12. Unit Number 2007         13. Weste Code Number 2007/PCBs greater than 500 ppm)           Z         Image: 718-298-0482         Polychedrater than 500 ppm)         21. 0007         21. 0007           S. B. B. Lococker, ID = Soi // W/RES S QF2 /217 /13         S8 // (/////////////////////////////////		
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Transporter 2 Company Name       US. EPAID Number <ul> <li>Designated Facility Name and Sile Address</li> <li>US. EPAID Number</li> <li>NOrD04085380579</li> </ul> designated Facility Name and Sile Address <ul> <li>US. EPAID Number</li> <li>NOrD04085380579</li> </ul> designated Facility Name and Sile Address <ul> <li>US. EPAID Number</li> <li>NOrD04085380579</li> </ul> designated Facility Name and Sile Address <ul> <li>US. EPAID Number</li> <li>NOrD04085380579</li> </ul> designated Facility Name and Sile Address <ul> <li>Nord 1100000000000000000000000000000000000</li></ul>		
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WYD0498398579           Control Station Read Model Cly, NY 14107           Techy Phone: 718-280-061           Model Cly, NY 14107           Techy Phone: 718-280-061           Model Cly, NY 14107           No. Type         Classifier (Inducting Phone Stipping Name, Hazard Class, D Number, and Packing Group (I any))         No. Type         Techy Phone: 718-280-061           X         UN3352, Podychothorinated Biphenryfs, Solid         O1         DT ET K         B007           Z         UN3452, Podychothorinated Biphenryfs, Solid         O1         DT ET K         B007           Z         UN3452, Podychothorinated Biphenryfs, Solid         O1         DT ET K         B007           Z         UN3452, Podychothorinated Biphenryfs, Solid         O1         DT ET K         B007           Z         WD3452, Podychothorinated Biphenryfs, Solid         O1         DT ET K         B007           Z         Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"           S         Expon= Colspan="2"         Solid WIDO         Solid WIDO         Solid WIDO         Solid WIDO         Solid WIDO <td></td>		
gs.       B. U.S. DOT Description (including Proper Shipping Name, Hazard Class, D Number:       10. Container       11. Todi       12. Unit       13. Waste Code         X       1. UN34322, Polychion/mailed Biphenryle, Solid       01       DT       EV       No.       Type         2.       1. UN34532, Polychion/mailed Biphenryle, Solid       01       DT       EV       No.       B007         2.       1.       UN34532, Polychion/mailed Biphenryle, Solid       01       DT       EV       No.       B007         2.       1.       UN34532, Polychion/mailed Biphenryle, Solid       01       DT       EV       No.       B007         2.       1.       UN34532, Polychion/mailed Biphenryle, Solid       01       DT       EV       No.       B007         3.       1.       1.       Intelling Instructions and Additional Information         4.       1.       Intelling Instructions and Additional Information       Intelling Instructions and Additional Information       Intelling Instructions and Additional Information         5.       Shepola Bandright Instructions and Additional Information       Intelling Instructions and Additional Information       Inteling Instructions anditiona	1	
Image: And Packing Group (if any))       No.       Type       Outraitiv       Wr.Vial       13. Weste Code         X       1. UN34322, Podychlorinated Bipherryte, Solid 9, PG81, (B007) XPC-Be greater than 500 ppm)       01       DT       EIF       K       B007         2.       1. UN34322, Podychlorinated Bipherryte, Solid       01       DT       EIF       K       B007         2.       1. UN34322, Podychlorinated Bipherryte, Solid       01       DT       EIF       K       B007         2.       1. UN34522, Podychlorinated Bipherryte, Solid       01       DT       EIF       K       B007         2.       1. UN3452       1. UN3452       1. UN3452       Interview       Interview       Interview         3.       1. Interview       1. UN3452       Interview		
P. PGII. (6007) (PCBs greater than 600 ppm)     ERG#171      2     2     3.     4	E.	
ERG#171      Z	8007	
SRINGESTS13       OUT OF SEMULE 11/23//2       recd 18 470         15.       GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are dassified, pack marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipping name, and are dassified, pack marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipping name, and are dassified, pack marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipping name, and are dassified, pack marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipping name, and are dassified, pack to the terms of the attached EPA Acknowledgment of Consent. Locify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. Locify that the waste minimization statement identified in 40 CFR 262.27(a) (ff I am a large quantity generator) or (b) (ff I am a small quantity generator) is true.    Senerator's/Offeror's Printed/Typed Name  Accounter of this Consent Statement  I continue to U.S.  I ransporter Acknowledgment of Receipt of Materials I ransporter Acknowledgment of Receipt of Materials I ransporter 2 Printed/Typed Name I continue to U.S. I ransporter 2 Printed/Typed Name I continue to U.S.	L	
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Transporter signature (for exports only):     Date leaving U.S.:       7. Transporter Acknowledgment of Receipt of Materials     Signature       ROBER     STAME       Rober     Signature       B. Discrepancy     Month       8a. Discrepancy     Quantity	Year	
Ransporter 1 Printed/Typed Name     Signature     Month     Day       Ransporter 2 Printed/Typed Name     Signature     Month     Day       8. Discrepancy     Ba. Discrepancy Indication Space     Quantity     Type     Residue     Partial Rejection     Full Rejection	_	
ROBERT STAMET     Signature       ransporter 2 Printed/Typed Name     Signature       8. Discrepancy     Signature       8a. Discrepancy Indication Space     Quantity   Type       Residue     Partial Rejection		
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8a. Discrepancy Indication Space	1	
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Atyest actual feed 18470K Manifest Reference Number:		
Bb. Alternate Facility (or Generator) U.S. EPA ID Number	-	
Facility's Phone: I8c. Signature of Alternate Facility (or Generator) Month Day		
18c. Signature of Alternate Facility (or Generator) Month Day	Va-	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)	Yea	
1.         1.         1.         3.         4.	Yea	
H137	Yea	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a	Yea	
Printed/Typed Name Dody Partfing King King King King King King King K	1	
Form 8700-22 (Rev. 3-05) Previous editions are obsolete.	Yea	

DESIGNATED FACILITY TO DESTINATION STATE (IF REQU

	Model City,	<b>nical Services,</b> NY	Inc. 198465 Cubic Yards
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7. Tran	nsporter 2 Company Name		U.S. EPA ID Number							
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## APPENDIX H DATA USABILITY SUMMARY REPORT



### DATA USABILITY SUMMARY REPORT (DUSR)

Site Name:	Canine Kennel, West Hampton Beach, New York					
Performing Laboratory:	CHEMTECH, Mountainside, New Jersey					
P.W. Grosser Project No.	Canine Kennel, November 2012 Sampling					
Project Manager	Andy Lockwood, Project Manager					
Stone Project Number:	082074-F, Phase 1 – Canine Ken	nel 2012				
Analyses/Methods:	PCBs by Method 8082A/3510/354	11				
Data Validation Level	100%, Full					
Prepared by: Kim Watson	, Stone Environmental, Inc.	Completed on: 12/28/2012				
Reviewed by: Joanne Perr	y, Stone Environmental, Inc.	SDG No.: D4907				

Stone Environmental, Inc. (Stone) has completed a validation and quality assurance (QA) evaluation on the analysis data prepared by CHEMTECH Laboratory in Mountainside, New Jersey for 8 soil samples, and one field blank collected on November 20, 2012 and received at the laboratory on November 21, 2012. The laboratory reported the data under Sample Delivery Group (SDG) No. D4907 received by Stone on December 15, 2012. The sample and laboratory identifiers and the selected analyses as shown on the chain of custody records are provided in Attachment A. Polychlorinated biphenyls (PCBs) as Aroclors analysis was performed according to SW846 Methods 8082A with 3510(water separatory funnel extraction)/3541(automated soxhlet soilextraction) extraction methods. This DUSR is based on reviews of the laboratory SDG case narrative and the full "Tier III" third-party data validation report, which are provided in Attachment B and Attachment C, respectively. Tier III data validation was performed on 100% of the data for PCBS as Aroclors in soil and water samples, in accordance with EPA Region II's HW#45 Standard Operating Procedure (SOP) for validating 8082A PCB analyses and NYSDEC's Technical Guidance for Site Investigation and Remediation (DRAFT DER-10, Nov. 2009) Appendix 2B Guidance for Data Deliverables and Development of Data Usability Summary Reports. Professional judgment was applied as necessary and appropriate.

#### Summary of Data Usability

The validation and usability assessments indicate that the data from this sample set are usable as qualified during the validation assessment. The overall quality control data provided in the laboratory report and in the case narrative indicate that the data represents adequate method accuracy and precision with regard to project objectives. The qualifications made to the data set are summarized below and in the validation report.

 Based on the poor reproducibility between the primary and secondary column quantitation, the result for AR1254 in EP019(6-12) was qualified as estimated (J) and the result for AR1254 in EP021(6-12) was qualified as tentatively identified and estimated (JN).

- Results for AR1254 in EP001B(12-18), FieldDup002, and EP020(6-12) were rejected (R) due to detection of these compounds outside the linear range of the instrument. Results for this compound were replaced with the acceptable concentrations from the more diluted analysis of these samples (EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL).
- Results for other Aroclor compounds except AR1254 as noted above in the diluted analyses of EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL were rejected (R) because acceptable results for these compounds were taken from the original (less diluted) analysis of these samples.
- The low standard concentration for these methods supports the LOQ reported value as recorded on Form I but does not support the laboratories' method detection limit concentration in the analytical sequence. Since the concentration reported with a "U" on all reports is not supported by the concentration of the low standard which provides precision and bias during these analyses for identification and quantitation, results for all non-detects in all samples have been qualified as estimated (UJ). The low standard of the calibration curve performed for these methods supports the LOQ concentration on Form I and not the MDL concentration; therefore, sensitivity at the MDL could not be assessed based on the data package alone.

The completeness level attained for the analysis of the field samples was greater than 95%. For all data, the overall quality of the data was acceptable and all results as qualified are considered usable as noted above.

#### ATTACHMENT A

CHAIN OF CUSTODY RECORD SDG No. D4907 PCBs in Soil and Water Samples

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### ATTACHMENT B

CASE NARRATIVE SDG No. D4907 PCBs in Soil and Water Samples



### CASE NARRATIVE

P.W. Grosser Consulting Project Name: Canine Kennel Project # N/A Chemtech Project # D4907 Test Name: PCB

### A. Number of Samples and Date of Receipt:

7 Solid samples were received on 11/21/2012.3 Solid samples were received on 11/21/2012.1 Water sample was received on 11/21/2012.

### **B.** Parameters

According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

### **C. Analytical Techniques:**

The analyses were performed on instrument GCECD\_C. The front column is RTX-CLPest which is 30 meters, 0.32 mm ID, 0.5 um df,Catalog # 11139. The rear column is RTX-CLPestII which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog # 11324. The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

### D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for FIELDDUP002DL

[Decachlorobiphenyl(1) - 128%].

The Retention Times were acceptable for all samples.

The MS {D4907-04MS} with File ID: PC011417.D recoveries met the requirements for all compounds except for AR1016[150%], AR1260[342%].

The MSD {D4907-05MSD} with File ID: PC011416.D recoveries met the acceptable requirements except for AR1260[301%].

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except for the following:

CCAL01 (Data File PC011400.D, Peak AR1260 (2) Column2), Column1 met the requirement.

CCAL02 (Data File PC011420.D, Peak AR1260 (2) Column2), Column1 met the requirement.

### 5 of 534



Samples EP001B(12-18), FIELDDUP002 and EP020(6-12) were diluted due to high concentrations.

### **E. Additional Comments:**

### **F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_

### ATTACHMENT C

DATA VALIDATION REPORT SDG No. D4907 PCBs in Soil and Water Samples

### DATA VALIDATION

### FOR

CANINE KENNEL WEST HAMPTON, NEW YORK November 2012 Sampling Round

ANALYSIS DATA Polychlorinated biphenyls (PCBs) as Aroclors

Sample Delivery Group (SDG) No. D4907

**Chemical Analyses Performed By:** 

CHEMTECH Laboratory 284 Sheffield Street Mountainside, NJ 07092

For:

Andy Lockwood P.W. Grosser Consulting 630 Johnson Avenue, Suite 7 Bohemia, NY 11716

Data Validation Report By:

Kim B. Watson Stone Environmental, Inc. 535 Stone Cutters Way Montpelier, VT 05602

December 28, 2012

Reference #082074-F2012 PCB Validation Report\_D4907/kbw

### EXECUTIVE SUMMARY

Stone Environmental, Inc. (Stone) has completed the validation of the polychlorinated biphenyls (PCBs) as Aroclors analysis data prepared by CHEMTECH Laboratory, Mountainside, NJ, for 8 soil samples, and 1 field blank (FB) from the Canine Kennel site in West Hampton, New York. The laboratory reported the data under Sample Delivery Group (SDG) No. D4907 that was submitted as a single data package received by Stone (electronically) on December 15, 2012. D4907 includes the following samples:

Sample ID	Laboratory ID
EP001B(12-18)	D4907-01
EP018B(12-18)	D4907-02
EP007B(12-18)	D4907-03
EP008B(12-18)	D4907-06
FIELDDUP002	D4907-07
FIELDBLANK003	D4907-08
EP019(6-12)	D4907-09
EP020(6-12)	D4907-10
EP021(6-12)	D4907-11

The samples in this data set represent the sample collections from November 20, 2012 from the Canine Kennel Site in West Hampton, New York. A cross-reference of sample IDs was provided in the data package. The inches symbol was dropped from the sample identifications by the laboratory.

Findings of the validation effort resulted in the following qualifications of sample results:

- The result for AR1254 in EP019(6-12) was qualified as estimated (J) and the result for AR1254 in EP021(6-12) was qualified as tentatively identified and estimated (JN).
- Results for AR1254 in EP001B(12-18), FieldDup002, and EP020(6-12) were rejected (R) due to detection of these compounds outside the linear range of the instrument. Results for this compound were replaced with the acceptable concentrations from the more diluted analysis of these samples (EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL).
- Results for other Aroclor compounds except for AR1254 in the diluted analyses of EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL were rejected (R) because acceptable results for these compounds were taken from the original (less diluted) analysis of these samples.

> The low standard concentration for these methods supports the LOQ reported value as recorded on Form I but does not support the laboratories' method detection limit concentration in the analytical sequence. Since the concentration reported with a "U" on all reports is not supported by the concentration of the low standard which provides precision and bias during these analyses for identification and quantitation, results for all non-detects in all samples have been qualified as estimated (UJ). The low standard of the calibration curve performed for these methods supports the limit of quantitation (LOQ) concentration on Form I and not the MDL concentration; therefore, sensitivity at the MDL could not be assessed based on the data package alone.

"E" qualifiers were appropriately applied by the laboratory to sample Form I results when concentrations of target analytes were greater than the instrument calibration range. "D" qualifiers were appropriately applied by the laboratory to positive results from diluted sample analyses. The validator removed all laboratory-applied "E" and "D" qualifiers.

Documentation problems observed in the data package and on the chain of custody records are described in Section XIII.

The Overall Evaluation of Data (Section XII) presents the rationale for the decisions that have been implemented and are summarized above. The validation findings and conclusions for each analytical parameter are detailed in the remaining sections of this report and are based on the following information.

QC Criteria	Were acceptance	e criteria met for of Concern?	· Contaminants
	Yes	No	NA
Chain of custody (COC)/sample integrity/holding times	$\checkmark$		
Data completeness and Deliverables	$\checkmark$		
Holding times and sample preservation	√		
Calibrations	$\checkmark$		
Surrogate recoveries	$\checkmark$		
Laboratory control samples and reference materials	$\checkmark$		
Matrix spike/matrix spike duplicate (MS/MSD) results	$\checkmark$		
Laboratory method blanks/equipment blanks	$\checkmark$		
Field duplicate results	$\checkmark$		
Compound identification	$\checkmark$		
Sample results	$\sqrt{*}$	*	
2 <sup>nd</sup> Column Confirmation Positive Sample Result %D		$\checkmark$	
Calculations/transcriptions	$\checkmark$		
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NA - Not applicable; indicates that either the QC is not applicable to this data set or is not required by the method.

Note: \*Samples EP001B(12-18), EP020(6-12), and Fielddup002 required a subsequent dilution for analysis. In this instance (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.

This validation report shall be considered <u>part of the data package</u> for all future distributions of the PCB analysis data.

SDG No. D4907

Stone Environmental, Inc. December 28, 2012

### **INTRODUCTION**

Analyses of water and soil samples were performed according to US EPA SW846 Methodologies: 3510(water separatory funnel extraction)/3541(automated soxhlet soil-extraction) 8082A for the PCB as Aroclors analysis. The target compound lists included all standard target analytes for this method (Aroclor- AR1016, AR1221, AR1232, AR1242, AR1248, AR1254, and AR1260).

To the extent possible, Stone's validation was performed in conformance with Tier III guidelines as defined by EPA Region I, "Region I EPA-NE Data Validation Functional Guidelines for Evaluating Environmental Analyses", March 1996. The data were evaluated in accordance with EPA Region II's Standard Operating Procedure (SOP) from the EPA Hazardous Waste Support Branch: SOP#HW-45 "Validating PCB Compounds PCBs By Gas Chromatography SW-846 8082A". "EPA's National Functional Guidelines for Organic Data Review" (EPA 540/R-99/008, 10/99) was also considered during the evaluation, and professional judgment was applied as necessary and appropriate.

The data validation process evaluates data on a technical basis for chemical analyses conducted under the contract laboratory program (CLP) or other well-defined methods. Contract compliance is evaluated only in specific situations. Issues pertaining to contractual compliance are noted where applicable. It is assumed that the data package is presented in accordance with the CLP requirements. It is also assumed that the data package represents the best efforts of the laboratory and has already been subjected to adequate and sufficient quality review prior to submission for validation.

Results of sample analyses are reported by the laboratory as either qualified or unqualified; various qualifier codes are used by the laboratory to denote specific information regarding the analytical results. During the validation process, laboratory data are verified against all available supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data validator as necessary and appropriate. Raw data is examined in detail to check calculations, compound identification, and/or transcription errors. Validated results are either qualified or unqualified; if results are unqualified, this means that the reported values may be used without reservation. Final validated results are annotated with the following codes, as defined in EPA Region II Standard Operating Procedures:

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated numerical value is the sample quantitation limit. The sample quantitation limit accounts for sample specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
- JN The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

These codes indicate qualifications placed on the data as a result of the validation effort. They are recorded on the Organic Analysis Data Sheets (Form I) in Attachment A of this validation report and in the Validation EDD (*D4907 Excel\_withDataValidationCodes.xls*) submitted electronically as Attachment B.

All data users should note two facts. First, **the "R" qualifier means that the laboratoryreported value is completely unusable.** The analysis is invalid due to significant quality control problems and provides <u>no</u> information as to whether the compound is present or not. Rejected values should not appear on data tables because they have no useful purpose under any circumstances. Second, **no analyte concentration is guaranteed to be accurate even if all associated quality control is acceptable.** While strict quality control conformance provides welldefined confidence in the reported results, any analytical result will always contain some uncertainty as demonstrated in the laboratory-derived control limits.

The user is also cautioned that the validation effort is based on the materials provided by the laboratory. Software manipulation, resulting in misleading raw data printouts, cannot be routinely detected during validation; unless otherwise stated in the report, these kinds of issues are outside the scope of this review.

### Detailed Findings of Measurement Error Associated with the Analytical Analysis

### I. Preservation and Technical Holding Times (Sample Integrity)

The samples for PCB analysis were collected on November 20, 2012. The samples were received at the laboratory on November 21, 2012. All extractions were performed within the acceptable holding times for water and soil samples (7 and 14 days, respectively, from collection). The sample extracts were also analyzed within 40 days of extraction.

The temperature of the sample cooler on receipt at the laboratory, as recorded on the individual COC record was 5°C which was within the acceptable range of <10°C.

### II. Calibration and Instrument Performance

The samples were analyzed on a single GC/ECD system identified as GCECD\_C. The instrument was equipped with dual electron capture detectors (ECD). Data from both columns were presented in the data packages; the columns were as follows:

GCECD\_C: 1. RTX-CLPest I, 30m, 0.32mm ID, 0.5um df. 2. RTX-CLPest II, 30m, 0.32mm ID, 0.25um df

### A. GC Column Resolution, Endrin, and DDT Breakdown

A GC Column Resolution check is not required nor was it performed for this methodology.

### B. Initial Calibration (IC)

Two initial calibrations (10/23/12 and 11/23/12) were performed in support of the PCB analyses. The IC consists of five concentration levels (50-1000 ppb) of 1016 and the 1260 standard (AR1660), and a single mid-point calibration for the other Aroclors (1221, 1232, 1242, 1248 and 1254) for the PCB analyses.

Documentation of all individual IC standards was present in the data package. Initial calibration curves were <20%RSD.

### C. Analytical Sequence

The correct analytical sequence was followed in the analytical series for all standards and samples in this data set.

### D. Continuing Calibration Verification

Continuing calibration (CC) verifications were performed at the appropriate frequency and were acceptable with the following exceptions:

The mid-point concentration of the AR1660 standard constitutes the continuing calibration. Documentation of all CC analyses was present and complete in the data package. Continuing calibration verifications were performed for the PCB analyses at the appropriate frequency and were acceptable with the following exceptions (>15%):

Analysis Date	Analysis Time	Compound	% D Column 1	% D Column 2	Action
11/23/12 CCAL01	1050	AR1260 (2)	0.0	23.6	NAC
11/23/12 CCAL02	1621	AR1260 (2)	14.0	41.6	NAC

Since AR1260 exhibited elevated %D values and the %D values on the first column were acceptable, no data was qualified on this basis.

Documentation of independent calibration verification (ICV) standards were present in the data packages and presented in the raw data only and appeared acceptable.

Target analytes in the reported CCV standards were within the RT windows established during the IC.

### III. Blanks

Results for one water matrix and one soil matrix MB were reported with each extraction batch in association with the samples in this data set. No target compounds were reported any of the MBs.

A field blank (Fieldblank003) was submitted with the samples in this data set. No target analytes were detected in the field blank.

### IV. Surrogate Spike Compound Recovery

Percent recoveries (%R) of the two surrogates (tetrachloro-m-xylene [TMX] and decachlorobiphenyl [DCB]) in the PCB analysis were correctly reported on the Form II-like summaries, and were within acceptance limits for the samples in these data sets, with the following exception: the recovery of DCB in Fielddup002DL (128%). Since recovery of the other surrogate TMX was acceptable, this surrogate was acceptable in the undiluted analysis, the %recovery was just marginally above the laboratory limit of 125% and well within the validation limit of 150%, no data was qualified on this basis.

### V. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Sample EP007B(12-18) was used for the MS/MSD analyses The spiking solution contained AR1016 and AR1260 in the PCB analysis. Percent recoveries and relative percent differences (%RPD) between paired recoveries were reported on the Form III summaries within the data packages. %R and RPD results were correctly calculated, accurately reported, and acceptable with the following exceptions:

Sample ID	Compound	MS%R	MSD%R	Dup or MS/MSD % RPD	QC Limits	Action
EP007B(12-18)	Aroclor 1016	150	137	9	40-140/20	NAC
EP007B(12-18)	Aroclor 1260	342	301	13	60-130/20	NAC

NA=Not Applicable, NAC=No Action Est. = Estimate (J, UJ) associated sample

Since the recoveries of the AR1016 and 1260 in the MS/MSD analyses were above the limits and these Aroclors were not reported in this sample; no data was qualified based on the high recoveries.

### VI. Field Duplicate Precision

Sample Fielddup002 was identified as a field duplicate of EP001B(12-18). Paired results were acceptable for the AR1254 results on both columns at less than 16%D (<50%RPD for soils, Region I guidelines).

### VII. Performance Evaluation Samples (PES)/Accuracy Check

Zero blank PE samples, commonly known as laboratory control samples or blank spikes (BS), were performed at the required frequency and results were provided on Form III-like summaries. Recoveries were within the laboratory-derived acceptance limits for all the blank spike analyses.

### VIII. Extract Cleanup

According to the extraction bench sheets, sulfuric acid cleanup procedures were performed for soil and water samples. All samples and blank spikes were cleaned according to the methodology and the surrogate compound recoveries were acceptable to reflect the cleanup efficiencies.

### IX. Target Compound Identification

Reported target compounds were correctly identified based on the best fit to the Aroclor pattern in the standards with supporting chromatograms present for all field samples in this data set.

The second column quantitation was in agreement with the first column in all samples (<25%) for the PCB concentration in all samples with the exceptions of EP019(6-12) at 45.5%D and EP021(6-12) at 72.7%D. Based on the poor reproducibility between the primary and secondary column quantitation, the result for AR1254 in EP019(6-12) was qualified as estimated (J) and the result for AR1254 in EP021(6-12) was qualified as tentatively identified and estimated (JN).

### X. Compound Quantitation and Reported Quantitation Limits

Target compound concentrations and quantitation limits were correctly calculated and accurately reported including adjustments for dilutions and percent solids. All samples were reported on a dry weight basis. All samples were reported correctly and the higher of the two values as reported on the Form X was reported on Form I. It should be noted that on the qualifier page the P value indicates that the lower of the two values is reported. This was not the case and the higher value was reported in all instances.

The laboratory reported all non-detect concentrations to the method detection limit (MDL) as recorded on Form I along with the laboratory limit of quantitation (LOQ) and contract required quantitation limit (CRQL). An MDL is the minimum concentration of a substance that can be detected with 99% confidence that the analyte concentration is greater than zero. The low standard concentration for these methods supports the LOQ reported value as recorded on Form I but does not support the laboratories' method detection limit concentration in the analytical sequence. Since the concentration reported with a "U" on all reports is not supported by the concentration of the low standard which provides precision and bias during these analyses for identification and quantitation, results for all non-detects in all samples have been qualified as estimated (UJ). The low standard of the calibration curve performed for these methods supports the LOQ concentration on Form I and not the MDL concentration; therefore, sensitivity at the MDL could not be assessed based on the data package alone.

Results for AR1254 in the original analysis of EP001B(12-18), FieldDup002, and EP020(6-12) were detected outside the linear range of the instrument. These samples were appropriately reanalyzed at subsequent dilutions. Results for AR1254 EP001B(12-18), FieldDup002, and EP020(6-12) were rejected (R) due to detection of these compounds outside the linear range of the instrument. Results for this compound were replaced with the acceptable concentrations from the more diluted analysis of these samples (EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL).

Results for other Aroclor compounds except AR1254 as noted above in the diluted analyses of EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL were rejected (R) because acceptable results for these compounds were taken from the original (less diluted) analysis of these samples.

"E" qualifiers were appropriately applied by the laboratory to sample Form I results when concentrations of target analytes were greater than the instrument calibration range. "D" qualifiers were appropriately applied by the laboratory to positive results from diluted sample analyses. The validator removed all laboratory-applied "E" and "D" qualifiers.

Sample-specific results for all analytes may be found on the laboratory-generated Form Is for each sample. The laboratory generated Form Is have been annotated with the data validation qualifiers as defined in this report and provided in Attachment A and electronically in Attachment B.

### XI. System Performance

As evidenced by opening and closing calibration analyses, surrogate recoveries, and blank analyses, the GC/ECD system used for these sample analyses was within control during the sequence of analyses for this sample group.

### XII. Overall Evaluation of Data

Findings of the validation effort resulted in the following qualifications of sample results:

- Based on the poor reproducibility between the primary and secondary column quantitation, the result for AR1254 in EP019(6-12) was qualified as estimated (J) and the result for AR1254 in EP021(6-12) was qualified as tentatively identified and estimated (JN).
- Results for AR1254 in EP001B(12-18), FieldDup002, and EP020(6-12) were rejected (R) due to detection of these compounds outside the linear range of the instrument. Results for this compound were replaced with the acceptable concentrations from the more diluted analysis of these samples (EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL).
- Results for other Aroclor compounds except AR1254 as noted above in the diluted analyses of EP001B(12-18)DL, FieldDup002DL, and EP020(6-12)DL were rejected (R) because acceptable results for these compounds were taken from the original (less diluted) analysis of these samples.

> The low standard concentration for these methods supports the LOQ reported value as recorded on Form I but does not support the laboratories' method detection limit concentration in the analytical sequence. Since the concentration reported with a "U" on all reports is not supported by the concentration of the low standard which provides precision and bias during these analyses for identification and quantitation, results for all non-detects in all samples have been qualified as estimated (UJ). The low standard of the calibration curve performed for these methods supports the LOQ concentration on Form I and not the MDL concentration; therefore, sensitivity at the MDL could not be assessed based on the data package alone.

The checklist found in the Executive summary outlines EPA Region II's HW#45 SOP requirements.

### XIII. Documentation

The COC records were present and accurately completed for all reported samples in this data set and the data package was complete with the following exception:

- Corrections to the COC indicated Improper edits were made on the COC records: any change in an entry should be made so as not to obscure the original entry, by the person making the change striking a single line through the entry and dating and initialing (signing) the change.
- Data in these packages were reported to the MDL rather than the LOQ as listed on the Form I summary. These methods require that the laboratory support the reporting of data to the low standard of the calibration curve. Therefore, for future sampling rounds the laboratory must report all data to the low standard of the curve or the LOQ rather than the MDL. Data that is reported to the MDL should be qualified as estimated (J) since the MDL is the concentration for detection not confidence in quantitation. If the laboratory chooses to report to the MDL than a blank spike at the MDL concentration must be performed with the other blank spike to determine sensitivity and accuracy at the MDL on a routine basis.

These issues do not directly affect the validity of the analytical data but could be problematic if the results were to be used in a litigation situation.

This validation report shall be considered <u>part of the data package</u> for all future distributions of the PCB analysis data.

### ATTACHMENT A

ANALYSIS DATA SUMMARY SHEETS (Form I) SDG No. D4907 PCBs in Water and Soil Samples



### **Report of Analysis**

and careford framework	Client:	P.W. Grosser Const	ulting	Date Collected:	11/20/12		
And	Project:	Canine Kennel		Date Received:	11/21/12		
And a second second	Client Sample ID:	EP001B(12-18)		SDG No.:	D4907	· · · · · · · · · · · · · · · · · · ·	
And in the second second second	Lab Sample ID:	D4907-01		Matrix:	SOIL		
and second linear second linear	Analytical Method:	SW8082A		% Moisture:	3	Decanted:	5 P.
Na Caluman ( 1996)	Sample Wt/Vol:	30.09 Units:	g	Final Vol:	10000	uL	
and a dimension designed	Soil Aliquot Vol:		uL	Test:	РСВ		
والمعادية والمعادية	Extraction Type:			Injection Volume :	1		
and the second s	GPC Factor :	<b>1.0</b>	PH: N/A		an a chuir dh' an	n demonstration and a second secon	
100 100 100 100 100 100 100 100 100 100	File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep I	Batch ID	10

	File ID/Qc Batch:	Dilution:	Prep Date		Date Analyzed	Prep Batch ID	
a Daaroo An	PC011408.D	1	11/21/12		11/23/12	PB66995	
Succes.		and the second statement of the second of the second second second second second second second second second s		sino propositione		a ferrar de la completa de la comple	saes)

CAS Number	Parameter	Con	c.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								le la
12674-11-2	Aroclor-1016	8.	5	υJ	3.6	8.5	17	ug/Kg
11104-28-2	Aroclor-1221	8.	5	UŢ	3.5	8.5	17	ug/Kg
11141-16-5	Aroclor-1232	8.	5	UŢ	7.7	8.5	17	ug/Kg
53469-21-9	Aroclor-1242	8.	5	UΤ	3.5	8.5	17	ug/Kg
12672-29-6	Aroclor-1248	8,	5	UĴ	6.8	8.5	17	ug/Kg
11097-69-1	Aroclor-1254	2900 24	00	-ER	1.5	8.5	17	ug/Kg
11096-82-5	Aroclor-1260	8.	5	UJ	4.2	8.5	17	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xylene	22	2.2		10 - 166		111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21	.8		60 - 125		109%	SPK: 20

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- U = Not Detected
- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P =Indicates >25% difference for detected
- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution
- S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

### **Report of Analysis**

						1. 1997
Client:	P.W. Grosser Consultin	ng	Date Collected:	11/20/12		
Project:	Canine Kennel		Date Received:	11/21/12		
Client Sample ID:	EP001B(12-18)DL		SDG No.:	D4907		
Lab Sample ID:	D4907-01DL		Matrix:	SOIL		
Analytical Method:	SW8082A		% Moisture:	3	Decanted:	
Sample Wt/Vol:	30.09 Units: g	5	Final Vol:	10000	uL	
Soil Aliquot Vol:	· u	L	Test:	PCB		
Extraction Type:			Injection Volume :	1		
GPC Factor :	1.0 PH	I: N/A	Eleforia de Constatintado Ferrico SEE el como da una seconomica com con	n (1999) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19		
File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep	Batch ID	10

PC011411.D	10 second se	11/21/12		11/23/12	dateeratus taata adam oo t	aturation of the second s	366995	a da se a deservado esta de seco de se	
CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	an an Na
TARGETS	•								
12674-11-2	Aroclor-1016		85	VUD R	36	85	170	ug/Kg	
11104-28-2	Aroclor-1221		85	UD	35	85	170	ug/Kg	
11141-16-5	Aroclor-1232		85	ψD	77	85	170	ug/Kg	
53469-21-9	Aroclor-1242		85	υp	35	85	170	ug/Kg	1[(6)
12672-29-6	Aroclor-1248		85	UD	68	85	170	ug/Kg	
11097-69-1	Aroclor-1254		2900	D	15	85	170	ug/Kg	
11096-82-5	Aroclor-1260		. 85	UR R	42	85	170	ug/Kg	
SURROGATES									
877-09-8	Tetrachloro-m-xylene		18.4		10 - 16	6	92%	SPK: 20	
2051-24-3	Decachlorobiphenyl		24.5		60 - 12	5	123%	SPK: 20	

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U = Not Detected

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- LOD = Limit of Detection
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- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution



### **Report of Analysis**

ŝ.							200
an (Altanana) an	Client:	P.W. Grosser Cons	ulting	Date Collected:	11/20/12		dan tabuk ke dara
are and the second	Project:	Canine Kennel		Date Received:	11/21/12		14.000
	Client Sample ID:	EP018B(12-18)		SDG No.:	D4907		1.
and the second	Lab Sample ID:	D4907-02		Matrix:	SOIL		
0.000	Analytical Method:	SW8082A		% Moisture:	10	Decanted:	
and an extension of the	Sample Wt/Vol:	30.1 Units:	g	Final Vol:	10000	uL	and the second sec
	Soil Aliquot Vol:		uL .	Test:	РСВ		
والمعاديرة والمعادي	Extraction Type:			Injection Volume :	1		gangangangadada Santa setabada
Sector Sector	GPC Factor :	1.0	PH: N/A			and y with the standing second se	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC011401.D	1	11/21/12	11/23/12	PB66995

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS	· ·						
12674-11-2	Aroclor-1016	9.5	υſ	3.8	9.5	19	ug/Kg
11104-28-2	Aroclor-1221	9.5	UJ	3.8	9.5	19	ug/Kg
11141-16-5	Aroclor-1232	9.5	υſ	8.3	9.5	19	ug/Kg 🧯
53469-21-9	Aroclor-1242	9.5	υſ	3.8	9.5	19	ug/Kg
12672-29-6	Aroclor-1248	9.5	υJ	7.3	9.5	19	ug/Kg
11097-69-1	Aroclor-1254	190		1.7	9.5	19	ug/Kg
11096-82-5	Aroclor-1260	9.5	υſ	4.6	9.5	19	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.9		10 - 160	5	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 125	5	78%	SPK: 20

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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

25 of 37 38 of 534



### **Report of Analysis**

1							
n ,	Client:	P.W. Grosser Cons	ulting	Date Collected:	11/20/12		
and a subscription	Project:	Canine Kennel		Date Received:	11/21/12		
and a second second	Client Sample ID:	EP007B(12-18)		SDG No.:	D4907		
	Lab Sample ID:	D4907-03		Matrix:	SOIL		
	Analytical Method:	SW8082A		% Moisture:	9	Decanted:	
a na anti-	Sample Wt/Vol:	30.05 Units:	g	Final Vol:	10000	uL	and a state
and a subscription of the	Soil Aliquot Vol:		uL	Test:	PCB		
and such that the state of the	Extraction Type:			Injection Volume :	1		
lan a	GPC Factor :	<b>1.0</b> .	PH: N/A		es versioné dis climit i contra com		
Contraction of the second	File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Pre	ep Batch ID	10

	File ID/Qc Batch:		Dilution:	Prep Date	Date Analyzed	Prep Batch ID	
Composition (Second	PC011402.D		1	11/21/12	11/23/12	PB66995	
Ъ., .		macontriamation	n er mense overe er	and the second	CALIFY AND A PARTY OF A DESCRIPTION OF A D	en en ser en litter het en en der kannen die het die en der eine kannen die einen eine der die ser eine die se	4449.2013

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	9.5	Uゴ	3.8	9.5	19	ug/Kg
11104-28-2	Aroclor-1221	9.5	UJ	3.7	9.5	19	ug/Kg
11141-16-5	Aroclor-1232	9.5	υŢ	8.2	9.5	19	ug/Kg
53469-21-9	Aroclor-1242	9.5	UJ	3.7	9.5	19	ug/Kg
12672-29-6	Aroclor-1248	9.5	υſ	7.2	9.5	19	ug/Kg
11097-69-1	Aroclor-1254	140		1.6	9.5	19	ug/Kg
11096-82-5	Aroclor-1260	9.5	UJ	4.5	9.5	19	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.1		10 - 16	6	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.8		60 - 12	5	64%	SPK: 20

12/28/12

U = Not Detected

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- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

26 of 37 45 of 534



### **Report of Analysis**

						1	
	Client:	P.W. Grosser Consu	ılting	Date Collected:	11/20/12	2	
	Project:	Canine Kennel		Date Received:	11/21/12	2	-
	Client Sample ID:	EP008B(12-18)		SDG No.:	D4907		
	Lab Sample ID:	D4907-06		Matrix:	SOIL	1994 (1994) 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 -	
	Analytical Method:	SW8082A		% Moisture:	7	Decanted:	
	Sample Wt/Vol:	30.07 Units:	g	Final Vol:	10000	uL	
	Soil Aliquot Vol:		uL	Test:	РСВ		
	Extraction Type:			Injection Volume :	1		
Sagargay,	GPC Factor :	1.0		namanan ang kanang k	o Concelos ana a	an analas alaman alaman katala katala kana kana kana kana kana kana katala kana kana kana kana kana kana kana k	
Non-ine	File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Subsection address	Prep Batch ID	10
	PC011403.D	1	11/21/12	11/23/12		PB66995	661
						3	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
TARGETS								
12674-11-2	Aroclor-1016	9	υſ	3.7	9	18	ug/Kg	
11104-28-2	Aroclor-1221	9	UŢ	3.6	9	18	ug/Kg	
11141-16-5	Aroclor-1232	9	UŢ	8	9	18	ug/Kg	
53469-21-9	Aroclor-1242	9	UŢ	3.6	9	18	ug/Kg	16
12672-29-6	Aroclor-1248	9	UJ	7.1	9	18	ug/Kg	16
11097-69-1	Aroclor-1254	9	Uſ	1.6	9	18	ug/Kg	
11096-82-5	Aroclor-1260	9	υĴ	4.4	9	18	ug/Kg	
SURROGATES								
877-09-8	Tetrachloro-m-xylene	22.4		10 - 166	5	112%	SPK: 20	
2051-24-3	Decachlorobiphenyl	17		60 - 125	5	85%	SPK: 20	

12/28/12

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- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

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### **Report of Analysis**

Client:	P.W. Grosser Consulting	Date Collected:	11/20/12		dashatalara
Project:	Canine Kennel	Date Received:	11/21/12		no subschedule (
Client Sample ID:	FIELDDUP002	SDG No.:	D4907		
Lab Sample ID:	D4907-07	Matrix:	SOIL		
Analytical Method:	SW8082A	% Moisture:	4	Decanted:	1.2.7.1
Sample Wt/Vol:	30,12 Units: g	Final Vol:	10000	uL	annana Titu Titu
Soil Aliquot Vol:	uL	Test:	PCB		
Extraction Type:		Injection Volume :	1		
GPC Factor :	1.0 PH: N/A		in 1944 - Angeler and Angeler and		
<sup>1</sup> den la com plotter de la Companya de mangazza de la companya de Companya de la companya de la compa	na kana kana kana kana kana kana kana k		alemie fanie die reiek is der see Serberah	na na manana manana manana ana ana ana a	a sec

	File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
	PC011409.D	1	11/21/12	11/23/12	РВ66995
•				and a second	e one agent provide a section of the construction of the transmission of the section of the section of the sect

Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	-
4 1 1016		0	TT 1	2.6	0	10	ua/V a	
Aroclor-1016 Aroclor-1221		9	UJ	3.6 3.5	9	18	ug/Kg ug/Kg	
Aroclor-1232		9	Uſ	7.8	9	18	ug/Kg	ji(6)
Aroclor-1242 Aroclor-1248		9 9	-	3.5 6.8	9	18	ug/Kg ug/Kg	
Aroclor-1254	\$ 2760	1800	PK	1.5	9	18	ug/Kg	
Aroclor-1260		9	U	4.3	9	18	ug/Kg	
Tetrachloro-m-xylene		23.3 19 7			-	117% 99%	SPK: 20 SPK: 20	
	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 & 2760 Aroclor-1260	Aroclor-1016       9         Aroclor-1221       9         Aroclor-1232       9         Aroclor-1242       9         Aroclor-1248       9         Aroclor-1254       % 2760         Aroclor-1260       9         Tetrachloro-m-xylene       23.3	Aroclor-1016       9       U J         Aroclor-1221       9       U J         Aroclor-1232       9       U J         Aroclor-1242       9       U J         Aroclor-1248       9       U J         Aroclor-1254       %       2760       P         Aroclor-1260       9       U       J         Tetrachloro-m-xylene       23.3       23.3	Aroclor-10169U $3.6$ Aroclor-12219U $3.5$ Aroclor-12329U $7.8$ Aroclor-12429U $3.5$ Aroclor-12489U $3.5$ Aroclor-1254 $42760$ $9$ UAroclor-12609U $4.3$ Tetrachloro-m-xylene $23.3$ $10 - 160$	Aroclor-10169UJ $3.6$ 9Aroclor-12219UJ $3.5$ 9Aroclor-12329UJ $7.8$ 9Aroclor-12429UJ $3.5$ 9Aroclor-12489UJ $6.8$ 9Aroclor-1254 $\sqrt[8]{2760}$ $\frac{1800}{9}$ $E$ $K$ $1.5$ 9Aroclor-12609U $4.3$ 9Tetrachloro-m-xylene $23.3$ $10 - 166$	Aroclor-10169UJ $3.6$ 918Aroclor-12219UJ $3.5$ 918Aroclor-12329UJ $7.8$ 918Aroclor-12429UJ $3.5$ 918Aroclor-12489UJ $5.9$ 18Aroclor-1254 $4$ $27bD$ $1800$ $E$ $K$ $1.5$ 9Aroclor-12609U $4.3$ 918Tetrachloro-m-xylene $23.3$ $10 - 166$ $117\%$	Aroclor-10169UJ3.6918ug/KgAroclor-12219UJ3.5918ug/KgAroclor-12329UJ7.8918ug/KgAroclor-12429UJ3.5918ug/KgAroclor-12489UJ5.5918ug/KgAroclor-1254 $\mathcal{X}$ 2760 $\mathcal{P}$ $\mathcal{R}$ 1.5918ug/KgAroclor-1260 $\mathcal{Q}$ Tetrachloro-m-xylene23.3 $\mathcal{Q}$

& see delution analysis

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- D = Dilution

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### **Report of Analysis**

	Client:	P.W. Grosser Consu	ulting	Date Collected:	11/20/12	2	
	Project:	Canine Kennel		Date Received:	11/21/12	2	
n marine de l'antico colonnaria	Client Sample ID:	FIELDDUP002DL	,	SDG No.:	D4907		
en anti-	Lab Sample ID:	D4907-07DL		Matrix:	SOIL		
	Analytical Method:	SW8082A		% Moisture:	4	Decanted:	
render School (S. 1) with with	Sample Wt/Vol:	30.12 Units:	g	Final Vol:	10000	uL	
s,	Soil Aliquot Vol:		uL	Test:	PCB	сонный улирова. 	
No. of the state o	Extraction Type:			Injection Volume :	1		
Contraction of the local distribution of the	GPC Factor :	1.0	PH: N/A	Folderstein mit Streit wieder Landers geschlichten im Schrödig			
10000	File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	and Alfalled a 1990, 27, 9997,999	Prep Batch ID	1(1)
general second do non	PC011412.D	10	11/21/12	11/23/12		PB66995	
	FC011412.D	10	1 1 m 1 1 1 m			·	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS				`			ug/Kg
12674-11-2	Aroclor-1016	90	ND K	36	90	180	•• ••
11104-28-2	Aroclor-1221	90	ψD	35	90	180	ug/Kg
11141-16-5	Aroclor-1232	90	Up )	78	90	180	ug/Kg
53469-21-9	Aroclor-1242	90	UÌ	35	90	180	ug/Kg
12672-29-6	Aroclor-1248	90	யு ட	68	90	180	ug/Kg
11097-69-1	Aroclor-1254	2700	Đ'	15	90	180	ug/Kg
11096-82-5	Aroclor-1260	90	UD R	43	90	180	ug/Kg
SURROGATES						10.00	CDIZ 00
877-09-8	Tetrachloro-m-xylene	20.8		10 - 166		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.5	*	60 - 125	i	128%	SPK: 20

12/28/12

(5)

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- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P = Indicates > 25% difference for detected
- concentrations between the two GC columns
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J = Estimated Value

- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

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### **Report of Analysis**

P.W. Grosser Consulting	ş	Date Collected:	11/20/12	
Canine Kennel		Date Received:	11/21/12	
FIELDBLANK003		SDG No.:	D4907 .	
D4907-08		Matrix:	WATER	
SW8082A		% Moisture:	100 Decanted:	
960 Units: m	L	Final Vol:	10000 uL	
uI		Test:	РСВ	
		Injection Volume :	1	
1.0 PH	: 5	ad an an an ann an an an an an an an an an	sensi misana sa si manga dal dal dekamatan manas sant amatas a misang Langaga (Langa) jing	
Dilution:	Prep Date	Date Analyzed	Prep Batch ID	(I)
1	11/21/12	11/23/12	PB66996	
	Canine Kennel FIELDBLANK003 D4907-08 SW8082A 960 Units: m ul 1.0 PH	FIELDBLANK003 D4907-08 SW8082A 960 Units: mL uL 1.0 PH: 5 Dilution: Prep Date	Canine KennelDate Received:FIELDBLANK003SDG No.:D4907-08Matrix:SW8082A% Moisture:960Units:mLuLFinal Vol:uLTest:Injection Volume :1.0PH: 5Dilution:Prep DateDate Analyzed	Canine Kennel       Date Received:       11/21/12         FIELDBLANK003       SDG No.:       D4907         D4907-08       Matrix:       WATER         SW8082A       % Moisture:       100       Decanted:         960       Units:       mL       Final Vol:       10000       uL         uL       Test:       PCB       Injection Volume :       1         1.0       PH : 5       Date Analyzed       Prep Batch ID

CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS				an star				
12674-11-2	Aroclor-1016		0.26	ΣU	0.1	0.26	0.52	ug/L
11104-28-2	Aroclor-1221		0.26	Uゴ	0.198	0.26	0.52	ug/L
11141-16-5	Aroclor-1232	1	0.26	Uſ	0.156	0.26	0.52	ug/L
53469-21-9	Aroclor-1242		0.26	UJ	0.093	0.26	0.52	ug/L
12672-29-6	Aroclor-1248		0.26	UJ	0.25	0.26	0.52	ug/L
11097-69-1	Aroclor-1254		0.26	UJ	0.046	0.26	0.52	ug/L
11096-82-5	Aroclor-1260		0.26	UJ	0.084	0.26	0.52	ug/L
SURROGATES								
877-09-8	Tetrachloro-m-xylene		22.3		35 - 137		112%	SPK: 20
2051-24-3	Decachlorobiphenyl		19.6		40 - 135		98%	SPK: 20

# 12/28/12

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U = Not Detected

- LOQ = Limit of Quantitation
- MDL = Method Detection Limit
- LOD = Limit of Detection
- E = Value Exceeds Calibration Range
- P = Indicates >25% difference for detected
- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

30 of 37 70 of 534



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Client:	P.W. Gross	er Consu	lting		Date Collected:	11/20/12	
Project:	Canine Ker	nnel			Date Received:	11/21/12	
Client Sample ID:	EP019(6-1	2)			SDG No.:	D4907	
Lab Sample ID:	D4907-09				Matrix:	SOIL	
Analytical Method:	SW8082A				% Moisture:	7	Decanted:
Sample Wt/Vol:	30.09	Units:	g		Final Vol:	10000	uL
Soil Aliquot Vol:			uL		Test:	PCB	
Extraction Type:					Injection Volume :	1	
GPC Factor :	1.0	Versenander of Sector Sector	PH: N/A	n an Gelonic The Manual Manual States			an managemente provinsi and a survey of the second s

**Report of Analysis** 

File ID/Qc Batch:	Dilution:		Flep Date ,	Date Analyzed	Tiep	Batch ID
			Prep Date	Date Analyzed	Dron	Datah ID
GPC Factor :	<b>1.0</b>	PH::		andianakan tau di kata ili kakan kaka dan pangan panan tau tau tau tau tau tau tau tau tau a Mayangan ya Kata atau tau tau tau tau tau tau tau tau	na a marco de contra como como como como como como como com	ni kanala di kang perinterang Ing perinterangkan perinterangkan di kang
Extraction Type:				Injection Volume	: 1	
Soil Aliquot Vol:		uL		Test:	PCB	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	9 ·	UJ	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221	9	υſ	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232	9	U∫	8	9	18	ug/Kg
53469-21-9	Aroclor-1242	9	UJ	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248	9	UJ	7.1	9	18	ug/Kg
11097-69-1	Aroclor-1254	160	PJ	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260	9	UJ	4.4	9	18	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.2		10 - 160	5	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		60 - 125	5	78%	SPK: 20

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U = Not Detected

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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution

<sup>31</sup>of 37 74 of 534



### **Report of Analysis**

Client:	P.W. Grosser Consulting	Date Collected:	11/20/12	
Project:	Canine Kennel	Date Received:	11/21/12	
Client Sample ID:	EP020(6-12)	SDG No.:	D4907	
Lab Sample ID:	D4907-10	Matrix:	SOIL	
Analytical Method:	SW8082A	% Moisture:	8	Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:	uL	Test:	PCB	
Extraction Type:	· · ·	Injection Volume :	1	
GPC Factor :	1.0 PH : N/A			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID	
PC011410.D	1	11/21/12	11/23/12	PB66995	

CAS Number	Parameter		Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
12674-11-2	Aroclor-1016		9	υŢ	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221		9	UJ	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232		9	UJ	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242		9	UJ	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248		9	UJ	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254	4 1000	650	ER	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260	1 1000	9	UJ	4.5	9	18	ug/Kg
SURROGATES								
877-09-8	Tetrachloro-m-xylene		22.3		10 - 16	6	111%	SPK: 20
2051-24-3	Decachlorobiphenyl		19		60 - 12:	5	95%	SPK: 20

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- U = Not Detected
- LOQ = Limit of Quantitation
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- LOD = Limit of Detection
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- P =Indicates >25% difference for detected
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- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution
- S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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### **Report of Analysis**

Client:	P.W. Grosser Consulting	Date Collected:	11/20/12	
Project:	Canine Kennel	Date Received:	11/21/12	
Client Sample ID:	EP020(6-12)DL	SDG No.:	D4907	
Lab Sample ID:	D4907-10DL	Matrix:	SOIL	
Analytical Method:	SW8082A	% Moisture:	8	Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:	uL	Test:	PCB	
Extraction Type:		Injection Volume :	1	
GPC Factor :	1.0 PH: N/A			

File ID/Qc Batch:Dilution:Prep DateDate AnalyzedPrep Batch IDPC011413.D1011/21/1211/23/12PB66995

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
			ŀ					
TARGETS			. 6			·		12
12674-11-2	Aroclor-1016	90	YUD K	38	90	180	ug/Kg	
11104-28-2	Aroclor-1221	90	ψD 、	37	90	180	ug/Kg	and Martin
11141-16-5	Aroclor-1232	90	UD	81	90	180	ug/Kg	
53469-21-9	Aroclor-1242	90	υþ	37	90	180	ug/Kg	
12672-29-6	Aroclor-1248	90	UD 🚽	72	90	180	ug/Kg	1000
11097-69-1	Aroclor-1254	1000	Ð	16	90	180	ug/Kg	
11096-82-5	Aroclor-1260	90	HDr K	45	90	180	ug/Kg	Contraction of the second
SURROGATES								
877-09-8	Tetrachloro-m-xylene	20.7		10 - 160	5	104%	SPK: 20	
2051-24-3	Decachlorobiphenyl	23		60 - 125	5	115%	SPK: 20	

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U = Not Detected

LOQ = Limit of Quantitation

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- LOD = Limit of Detection
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- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution



### **Report of Analysis**

Client:	P.W. Grosser Consult	ing	Date Collected:	11/20/12	
Project:	Canine Kennel		Date Received:	11/21/12	
Client Sample ID:	EP021(6-12)		SDG No.:	D4907	
Lab Sample ID:	D4907-11		Matrix:	SOIL	
Analytical Method:	SW8082A		% Moisture:	8	Decanted:
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :	1	
GPC Factor :	1.0 P	H: N/A	fe 442 fg 04 575 for suite of a state of a state of a state of state of state of state of state of state of st	State along the set from the stars	nin her in stand and the standard of the standard standard standard standard standard standard standard standar
File ID/Qc Batch:	Dilution:	Prep Date I	Date Analyzed	Prep	Batch ID

	r no ib/Qo Butoni	Diración,	Thep Date	Date / maryzed	Thep Daten ID
	PC011406.D	1	11/21/12	11/23/12	PB66995
مرید در در در در از را ا	$(h_{2}, \phi_{2}, \phi_{2}, \phi_{2}, \phi_{3}, \phi_{3},$	$e^{2\sqrt{2}} \int d^2 d^2 d^2 d^2 d^2 d^2 d^2 d^2 d^2 d^2$	en propriori e l'ameri e contractifica e d'horar tro confisional tropic commentent com contr	en an ar feirige an	entregionentregistary of period and the description of the period comparison of the contract of the second second

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	1
TARGETS								
12674-11-2	Aroclor-1016	9	UT	3.8	9	18	ug/Kg	
11104-28-2	Aroclor-1221	9	UT	3.7	9	18	ug/Kg	
11141-16-5	Aroclor-1232	9	UT	8.1	9	18	ug/Kg	
53469-21-9	Aroclor-1242	9	UT	3.7	9	18	ug/Kg	
12672-29-6	Aroclor-1248	9	υŢ	7.2	9	18	ug/Kg	
11097-69-1	Aroclor-1254	190	おいて	1.6	9	18	ug/Kg	
11096-82-5	Aroclor-1260	9	UJ	4.5	9	18	ug/Kg	
SURROGATES								
877-09-8	Tetrachloro-m-xylene	21.5		10 - 166	5	107%	SPK: 20	
2051-24-3	Decachlorobiphenyl	15.5		60 - 125	5	78%	SPK: 20	

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U = Not Detected

- LOQ = Limit of Quantitation
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- LOD = Limit of Detection
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- concentrations between the two GC columns
- Q = indicates LCS control criteria did not meet requirements

- J = Estimated Value
- B = Analyte Found in Associated Method Blank
- N = Presumptive Evidence of a Compound
- \* = Values outside of QC limits
- D = Dilution
- S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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### ATTACHMENT B

Electronic Data Deliverables (EDD) with Validation Codes SDG No. D4907 PCBs in Water and Soil Samples

www.chemtech.net	
(908) 789-8922	
Fax:	
0063-682 (306)	
s, NJ 07092	
Mountainside	
284 Sheffield Street,	
MTECH	
CHE	

The comparison of the regulatory limits in this report reflect the current Chemitedh Consulting Group ints, incoveledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

		DVQ		DVQ DVQ	2 DVQ		DVQ DVQ		DVQ DV	DVQ	DVQ	DVQ DVQ	
Sample ID		EP001B(12-18)	EP001B(12-18)DL	EP018B(12-18)	EP007B(12-18)	EP008B(12-18)	FIELDDUP002	FIEL DDUP002DL	EP019(6-12)	EP020(6-12)	EP020(6-12)DL	EP021(6-12)	
Lab Sample Number		D4907-01	D4907-01DL	D4907-02	D4907-03	D4907-06	D4907-07	D4907-07DL		D4907-10	D4907-10DL	D4907-11	
Sampling Date		11/20/2012	11/20/2012	11/20/2012	11/20/2012	11/20/2012	11/20/2012	11/20/2012		11/20/2012	11/20/2012	11/20/2012	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOIL	SOIL	SOIL	
Dilution Factor		-	10	-	-	-	-	10	-	-	10	-	
Units		63/Kgu	ng/Kg	ug/Kg	ug/Kg	ug/Kg	ng/Kg	ug/Kg	ng/Kg	ng/Kg	ng/Kg	ng/Kg	
COMPOUND	CAS #												
Aroclor-1016	12674-11-2	8.5 UJ	æ	9.5 UJ	9.5 W	M 6	M 6	UL.	M 6 5	rn 6		R 9 W	
Aroclor-1221	11104-28-2	8.5 UJ	R	9.5 UJ	9.5 UJ	M 6	M 6	UL.	m 6 2	rn 6		M 6	
Aroclor-1232	11144-16-5	8.5 UJ	R	9.5 UJ	9.5 W	M 6	M 6	Ľ.	M 6 5	rn 6		M 6	
Aroclor-1242	53469-21-9	8.5 UJ	R	9.5 UJ	9.5 W	M 6	M 6	UL.	m 6 2	rn 6		R 9 W	
Aroclor-1248	12672-29-6	8.5 UJ	2	9.5 UJ	9.5 W	M 6	M 6	ι£.	R 9 W	rn 6		R 9 W	
Aroclor-1254	11097-69-1	۲	2900	190	140	M 6	۲	2700	160 J	ш	1000	190 JN	
Aroclor-1260	11096-82-5	8.5 UJ	Ľ	9.5 UJ	9.5 UJ	M 6	M 6	ι£.	M 6 5	rn 6		R 9 W	
Total Concentration.			2900	190	140	0		2700	160		1000	190	

Lab Qualifiers			Da
U - The compound was not detected at the indicated concentration.		⇒	Ę
N (Organics) - Presumptive Evidence of a Compound			Ę
N (Inorganics) - The matrix spike recovery was outside control limits		4	Щ
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.	reater than MDL.	÷	Ę
The concentration given is an approximate value.		Ŗ	The
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.	onmental sample.		Ъ
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.		(rn) nr	Щ
* (Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.		-N	Ъ

he analyte was analyzed for, but was not detected above the reported sample quantitation limit. The associated numerical value is the sample quantitation limit. Data Validation Qualifiers (DVQ)

The sample quantization limit accounts for sample specific distribution factors and percent solids corrections or sample sizes that deviate from those required by the method. The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

precisely measure the analyte in the sample. necessary to accurately and The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not repretent the actual limit of quantitation. The sample results are reported due to serious deficiencies in the ability to analyze the ample and meet quality control criteria. The presence or absence of the analyze cannot be verified.

esult is available. tivelva The Register the numerical value or amplies quantitation limit is some issuance (e.g. a glaticito) a real may be indicated as "rejected" to and confusion when a more quantitation. The availy found the previous of an analytic first here in this which ended the associated and the approximate concentration. The availysis indicates be previous of an analytic first here approximate to make a "instance determination" of

ż

(Incigatics) - The sample/duplicate SkPD was above the control limit.
 (Programs) - Indicates fee analysis - concentrations access the calibrated range of the Instrument for that specific analysis.
 (E. (Organics) - The reported value is estimated because of the presence of interference.
 The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration mode.
 NR - Not analysis

# CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 789-8922 www.chemtech.net

The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

DVQ	FIELDBLANK003	7 00
	HELD	01007 08
	Sample ID	I ab Comula Number

Lab Sample Number		D4907-08
Sampling Date		11/20/2012
Matrix		WATER
Dilution Factor		-
Units		ng/L
COMPOUND	CAS #	
Aroclor-1016	12674-11-2	0.26 UJ
Aroclor-1221	11104-28-2	0.26 UJ
Aroclor-1232	11141-16-5	0.26 UJ
Aroclor-1242	53469-21-9	0.26 UJ
Aroclor-1248	12672-29-6	0.26 UJ
Aroclor-1254	11097-69-1	0.26 UJ
Aroclor-1260	11096-82-5	0.26 UJ

Total Concentration.

0

# Qualifiers

U - The compound was not detected at the indicated concentration.

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\* (Organics) - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

\* (Inorganics) - The sample/duplicate %RPD was above the control limit.

E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

E (Inorganics) - The reported value is estimated because of the presence of interference.

The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
 NR - Not analyzed

	Data Validation Qualifiers (DVQ)
u-	The analyze was analyzed for, but was not detected above the reported sample quantitation limit. The associated numerical value is the sample quantitation limit.
	The sample quantitation limit accounts for sample specific dilution factors and percent solids corrections or sample sizes that deviate from those required by the method.
-	The analyte was positively identifieds, the associated numerical value is the approximate concentration of the analyte in the sample.
-tu	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R-	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
	The R replaces the numerical value or sample quantitation limit. In some instances (e.g., a dilution) a result may be indicated as "rejected" to avoid confusion when a more quantitatively accurate result is available.
(IN) NI	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
ż	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

