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TECHNICAL MEMORANDUM FOR CHARACTERIZATION AND ELIMINATION OF POTENTIAL EXPOSURES TO POLYCHLORINATED BIPHENYLS AND LEAD IN SOIL AT DEFENSE REUTILIZATION AND MARKETING OFFICE TRUMAN ANNEX NAS KEY WEST FL

12/18/2006

CH2M HILL

Former DRMO Site, Truman Annex, Naval Air Station Key West, Florida

PREPARED FOR:	NAVFAC Southeast
PREPARED BY:	Vijaya Mylavarapu/CH2M HILL
COPIES:	Steve Tsangaris/CH2M HILL Denis Ewing/CH2M HILL Venky Venkatesh/CH2M HILL
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CTO:	0045
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Introduction

Purpose and Objectives of the Technical Memorandum

CH2M HILL Constructors, Inc. (CH2M HILL) has been contracted by the U.S. Naval Facilities Engineering Command, Southeast (NAVFAC SE), to characterize and eliminate potential exposures to two contaminants of concern (COCs), polychlorinated biphenyls (PCBs) and lead, in soil at the former Defense Reutilization and Marketing Office (DRMO) site, Truman Annex, located at the Naval Air Station (NAS) Key West in Key West, Florida. This work is being performed under Response Action Contract No. N62467-01-D-0331, Contract Task Order (CTO) No. 0045.

The purpose of this Technical Memorandum (TM) is to report the results of the investigation completed in the fall of 2006 per the approved Sampling and Analysis Plan (SAP) (CH2M HILL, 2006). This TM also includes recommendations for the removal actions based on the results of the investigation. The areas identified for removal action are presented in the figures attached to this TM.

This TM accomplishes the following objectives, based on the sampling and analysis completed at the former DRMO facility:

- Identify the extent of PCBs and lead distribution in soil over the entire area of the DRMO per the approved SAP.
- Identify areas that could potentially represent unacceptable exposures to human receptors from PCBs and lead in site soil at concentrations above health-based protective target levels. The target levels are defined in the approved SAP as the Florida Department of Environmental Protection (FDEP) Soil Cleanup Target Levels (SCTLs), Residential Exposure, per Chapter 62-777, Florida Administrative Code (FAC), Table 2. The exposure unit used for this investigation is a ¼-acre contiguous area (measuring 100 feet by 100 feet) identified as a "grid". The statistical upper-bound estimate on average

was used for comparison against the target levels to determine areas for corrective action for PCBs. The average concentration for lead was compared against the target levels for corrective action recommendations for lead.

- Identify areas needing corrective actions to eliminate potential human exposure related risks. Because the site is located within a developed area, no quantitative target levels have been developed for the ecological end-points for PCBs and lead.
- Provide information to prevent the potential for residual soil contamination to leach to groundwater under current and potential future land use conditions. The target levels for leachability protection are also selected from FDEP SCTLs per Chapter 62-777, FAC, Table 2 (see Table 4.1 in Section 4.0). The Synthetic Precipitation Leaching Procedure (SPLP) results are compared against Groundwater Cleanup Target Levels (GCTLs) from Chapter 62-777, FAC, Table 1 (the values selected are those listed for low yield aquifers).
- Provide information to eliminate potential "*hot spot*" areas that are greater than three times the residential SCTL value.

The contaminated soil requires removal since the City of Key West plans to develop the site as a *mixed use* site where the public could access the site for recreational use. The sampling conducted per the approved SAP defined the extent of contamination in site soil for PCBs and lead, as these two chemicals were identified as the COCs at the site.

The proposed contamination removal areas were based on the most protective target levels assuming residential land use, thus allowing maximum flexibility in future land use for the site. The most likely future land use for this site will be "Natural and Recreation Corridor" or residential area. Therefore, the entire DRMO area will be remediated to meet residential land use-based target levels defined above.

Contents of This TM

This TM includes sections on site history, field work conducted and any deviation from the approved SAP, analytical data and validation, and data evaluation and identification of areas exceeding the target levels. The target levels are protective against direct human exposure using FDEP SCTL values and indirect exposure through evaluating leachability to groundwater.

This TM also includes a discussion of the proposed removal areas based on CH2M HILL's sampling effort, existing site utilities for consideration during removal actions, and a summary of recommendations section. Several figures and tables are provided to graphically present and summarize the results of the sampling effort.

Summary of Site History and Current Conditions

History of Contamination

The former DRMO site is located on Truman Annex in Key West, Florida (see Figure 1). The former DRMO site is approximately 6.25 acres in area and was formerly used as a storage facility for new and used military equipment. Over time, contaminants were released to site soils. An elevated water storage tank was formerly located at the site and was removed

within the past two years. This elevated tank was historically painted with lead-based paints. When the tank was demolished, lead from chipped paint was released to the surrounding soil. During a subsequent lead soil assessment and remediation project, lead soil disposal characterization identified PCBs as an additional COC for remediation in soil at the site. Further delineation of the extent of PCB and lead-contaminated soil at the site was conducted per the approved SAP (CH2M HILL, 2006).

Past Investigations and Decisions

The DRMO area had been previously investigated by TetraTech NUS, Inc. (TTNUS). The TTNUS investigation proposed numerous areas for a removal action. This technical memorandum does not evaluate those historical data nor the decisions previously made.

There are five areas identified in the Truman Annex Quitclaim Deed, termed engineering controls (ECs), which may require soil removal action. If determined by the Navy, these selected areas will be excavated to two feet below ground surface (bgs) to remove the continued requirement to maintain the ECs and to meet residential land use standards.

In addition, there are three surface soil "hot spots" around the former water storage tank area that will require removal based on a previous agreement by the Navy, City, and FDEP. These three “hot spot” areas will be excavated to two feet bgs as part of the proposed removal action to meet the residential land use standards.

Currently, the DRMO is vacant with no military or public activity. There is a fence around most of the DRMO facility boundary, which is shown on the figures.

Field Activities Sampling Efforts

On August 26, 2006, CH2M HILL and TBE Group, Fort Lauderdale, Florida were on site to survey the site boundary perimeters and corners of the proposed 26 ¼-acre grids as specified in the SAP (CH2M HILL, 2006). On September 5, 2006, Zebra Environmental Services, Tampa, Florida (the direct push subcontractor) and CH2M HILL sampling personnel mobilized to the DRMO site. The initial round of soil sampling commenced on September 6, 2006 and continued through September 21, 2006. The proposed 26 grids were assigned alphabetical identifiers ranging from A through Z. Each of the grids was divided into sub-grids. The sub-grids were assigned a two character identifier consisting of the grid identifier and a numeral (i.e., A1, A2, etc.). A sample location was positioned at the center of each sub-grid. The sub-grid identifier was used to refer to each sample location.

Grids were sampled in an orderly manner based on historical sample results, i.e., grids that had previously exhibited lower concentrations were sampled prior to grids that had previously exhibited higher concentrations. Two samples were collected at each of the sample locations at depth intervals of 0 to 6 inches bgs and 6 to 24 inches bgs utilizing direct-push technology. Each sample was collected in a separate sample liner to facilitate discrete-interval sample collection. Each sample was removed from the sample liner and transferred to a stainless-steel bowl and homogenized using a stainless-steel spoon. The sample was then transferred to a labeled 4-ounce glass jar and placed on ice in a cooler. A total of 478 soil samples were collected with the required quality control samples. Samples were collected in accordance with the approved SAP (CH2M HILL, 2006). The samples were

submitted to PEL Laboratories, Tampa, Florida, for total PCBs analysis by USEPA Method 8082 and total lead analysis by USEPA Method 6010B.

Once the locations were sampled, the final sample locations were surveyed with a handheld Trimble Pro-XR GPS unit. Therefore, any proposed sample positions that required off-sets (i.e., due to underground utilities) were updated with the re-surveyed locations.

Based on the analytical results from the initial round of soil sampling, CH2M HILL personnel conducted additional sampling for SPLP analyses on November 6, 2006. The top five highest concentration locations were sampled for PCBs and lead analyses by SPLP method. In addition, when preliminary results from the initial five samples indicated SPLP criteria exceedance, then additional sample locations and depths from the same locations were collected for SPLP analyses. This resulted in several additional samples for SPLP ~~analyes~~ for PCBs and lead. Sample locations E1, E2, E3, X9, X10, Y3, and Z5 were analyzed for PCBs by SPLP method. For some of these locations, samples were collected at multiple depths as listed in Attachment A2. Samples locations K4, X1, X3, X9, X10, Z5, and Z11 were analyzed for lead by SPLP method and the data is included in Attachment A2.

Sample Grids

The site was divided into 26 ¼-acre grids, labeled A-Z. Grids were designated to be surveyed to a dimension of 100 feet by 100 feet. The grids were proposed to consist of ten sub-grids with a sample location positioned in each sub-grid at even distances to result in approximately 20 samples. However, a number of designated grids could not accommodate ten sub-grids due to the grid dimensions being altered by the orientation of the site boundaries. The perimeter grids affected by the site perimeter boundaries were B, C, I, K, R, S, T, U, V, Y and Z. Grids B, S, T and U contained less than ten sub-grids due to being bisected by the site fence. Grids I, R, Y and Z contained more than ten sub-grid sample locations due to the grid dimensions having to deviate from the proposed 100-foot by 100-foot dimension. Grids A and J were ~~completely~~ excluded from sampling due to positioning in a "secure" area. Figure 2 provides the sample locations within the grids. Sample locations within the sub-grids were positioned using a 100-foot measuring tape and measuring from the grid corner stakes provided by the surveyors (TBE Group). The sample locations were marked with pin flags and marker paint.

Rationale and Deviations from Approved SAP

The SAP indicated that every alternate sample from 0 to 6 inches bgs and from 6 to 24 inches bgs, and from every other location within the grid would be analyzed for PCBs and lead. The field team would designate on the chain-of-custody those remaining grid samples to be placed "on-hold" by the laboratory. The "on-hold" sample analyses would remain "on-hold" pending the results of the adjacent samples that were submitted for analyses.

During the sampling and analysis effort, some of the samples were analyzed rather than being placed "on-hold", and some of the samples were placed "on-hold" that should have been analyzed. This discrepancy affected only a few grids. Consequently, the initial round of results from some of the grids may have been biased to the 0 to 6 inches bgs interval or the 6 to 24 inches bgs interval. As a corrective action, more than 10 total samples were analyzed per grid. The samples adjacent to another 0 to 6 inches sample were taken off hold

and analyzed. This resulted in more analyses per grid for some of the grids compared to the number of 10 per grid that was outlined in the approved SAP. The Quality Assurance/Quality Control Auditor was notified. Once the results were received and evaluated, samples from grids that exhibited insufficient data due to the field oversight were taken "off-hold" (if within holding time) and analyzed for total PCBs and/or total lead to provide sufficient data for evaluation.

Analytical Data Quality Evaluation

Attachment A provides the analytical data collected as part of this investigation. PEL Laboratories performed an internal validation of all analytical data prior to submitting the laboratory data packages to CH2M HILL. Ten percent of the data packages received from PEL were submitted for independent data validation by Environmental Data Professional, LLC (eDATApro). Attachment B provides the eDATApro validation reports for this sampling event.

Samples submitted to PEL were analyzed for PCBs by EPA SW-846 Method 8082 and lead by EPA SW-846 Method 7421 and 6010B. Samples with the highest concentrations of PCBs and lead were also analyzed for SPLP lead and PCBs. Due to laboratory problems with the Inductively Coupled Plasma (ICP) instrument, several samples were analyzed by EPA SW-846 Method 7421 by graphite furnace atomic absorption (GFAA).

The project-required method detection limit (MDL) for lead was 400 milligrams per kilogram (mg/kg); therefore, all samples were diluted prior to analysis. This dilution resulted in zero percent recoveries for the matrix spike/matrix spike duplicate (MS/MSD) due to spike levels at the elevated reporting limit (RL). Post spike recoveries were within criteria; therefore, no results were qualified.

Lead was reported between the laboratory MDL and the RL in one instrument calibration blank during the analysis of SPLP lead samples. Positive results associated with this blank were "B/MB" qualified to indicate the presence of lead in the laboratory blank.

The PCB, Aroclor 1260, result for one sample, 45-L3-(0-0.5)-090606, was "J" qualified as estimated during the validation process due to matrix interferences which caused high decachlorobiphenyl surrogate recovery. MS/MSD relative percent difference (RPD) was reported outside the acceptable range for PCB for one sample, 45-L3-(0-0.5)-090606. However, the laboratory control sample results were within criteria and no qualifying flags were applied.

Elevated quantitation limits for SPLP PCBs were reported for sample 45-X9(0.5-2)-091906. The laboratory noted a heavy emulsion for this sample during the original extraction; therefore, the sample was extracted using a 470 mL sample volume to a final volume of 10 mL yielding elevated reporting limits.

Two samples, 45-B10 (0.5-2)-090606FD and 45-K1 (0.5-2)-090606FD, were submitted for blind field duplicate analysis. The native sample for 45-K1 (0.5-2)-090606FD was placed on hold and not analyzed; therefore, accuracy and precision data was not available for this sample. Field duplicate precision criteria for sample 45-B10 (0.5-2)-090606FD were met for all parameters.

Overall, the conclusion was that the analyses performed were acceptable and the data may be used in the project decision-making process as qualified.

Site Data Evaluation and Grid-Specific Recommendations

As previously discussed, the DRMO site was sampled using sampling grids identified to represent ¼-acre size across the entire area. The samples collected from each ¼-acre grid were included for estimation of a grid-wide upper confidence limit of 95% (95%UCL) concentration on the mean using the FDEP UCL calculation tool for PCBs (see Attachment C), whereas lead was evaluated using the arithmetic mean concentration across each grid. The resulting concentration was compared against the target remediation goal described below. Additionally, the data were evaluated for the presence of 'hot spot' areas of contamination, when site-wide statistical averages were within the target levels as well as for the leachability potential. The "hot spots" are the areas with concentrations above three times the residential target levels. The results of these data evaluations were used to develop the proposed removal action for each grid, as presented in this section.

The PCBs analysis included analysis for various PCB mixtures as presented in Attachment A. As can be noted from the results, only Aroclor-1260 was detected in some of the samples, and none of the other Aroclors were detected in any of the samples. Therefore, the discussions and figures presented herein represent Aroclor-1260. Figures 3 through 8 present the individual sample points collected for PCB and lead analysis, and the sample-specific concentration distribution in each grid.

Remedial Goals

The remedial goals used for the remedial decisions presented in this technical memorandum were previously identified in the approved SAP (CH2M HILL, 2006). The soil remedial goals are used for delineation of soil PCB and lead contamination at concentrations above FDEP SCTLs (Chapter 62-777, FAC, Table 2). The soil concentration levels were determined both horizontally and vertically, up to two feet bgs for direct exposure and to the water table for leachability. The proposed removal decisions were based on unrestricted future land use per the target remedial goals listed in Table 1. Though both industrial land use-based and residential land use-based target levels are listed, only residential land use-based criteria were used for removal decisions identified in this memorandum. The residential land use-based target levels were used so that the site soil concentration will be protective of both types of future users of the site, with the residential land use-based target levels being generally more conservatively protective of human health.

Per FDEP, a "*hot spot*" is defined as an area of contamination that is three times or greater than the SCTL value. Therefore, any soil with concentrations three times or above the residential SCTL for lead and/or PCBs requires removal up to 24 inches bgs to eliminate potential hot spots of contamination in soil. Several of these areas are identified below.

Remediation Approach

The Residential SCTLs will be met on an area-wide basis across an exposure unit, and not at every sample location, following the FDEP recommended standard risk-based approach described in the technical guidance for Chapter 62-777, FAC. Per this FDEP guidance, an

exposure unit for this site is a ¼-acre residential lot. A statistically-based approach of estimating grid-wide concentrations was used to determine the concentrations above which soil will be removed to achieve the ¼-acre exposure unit-wide averages. As previously stated, these grid-wide average concentrations were used for lead data evaluations whereas a UCL set at 95% or greater was used for PCB evaluations. The UCL value was estimated using the FDEP UCL tool. The FDEP guidance indicates that, in order to estimate the UCL levels, a minimum of 10 samples should be collected per ¼-acre area exposure unit. Samples causing the 95%UCL to exceed remediation levels were identified for removal during data review. Each grid is divided into sub-grids with lines drawn at mid-points between sample points for identification of remediation extent around a contaminated sample point. Soil around each sample identified by an exceedance will be removed to the mid-point between the contaminated sample point and the nearest clean sample. The sub-grids are identified in Figures 3 through 8.

Lead in surface soil will be remediated if the grid-wide average concentration exceeded the residential SCTL value of 400 mg/kg. However, if the grid-wide average concentration was below 400 mg/kg, but the individual sample concentration is above 1,200 mg/kg (i.e., 3 x 400 mg/kg), then it will be removed based on the "hot spot" analysis. If a grid average or the maximum level exceeds the remediation goal, then the highest concentrations detected in the grid will be removed until the remaining average/hot-spot concentrations in the grid are below the remediation goals. Table 2 presents a comparison of lead levels from each grid against remediation goals. Figure 4 presents all the detected lead concentrations. Figure 6 presents the areas with lead exceeding target levels.

PCBs concentrations that will remain in site soil will meet the FDEP SCTLs after the remediation is completed, by ensuring that the grid-wide 95% UCL on the mean concentration will be below the established target remedial goal of 0.5 mg/kg for residential land use. Additionally, individual location concentrations in each grid will be below the three times 1.5 mg/kg (3 x 0.5 = 1.5 mg/kg) concentration based on the hot spot evaluation in each grid. If a grid-specific estimated UCL concentration or the maximum concentration in a grid exceeded the respective remediation goal, then the highest concentrations detected in the grid will be removed until the remaining 95% UCL/hot-spot concentrations in the grid are below the remediation goals. Table 3 presents a comparison of the site statistical averages against PCB remediation goals and the hot spot evaluations. Figure 3 presents the samples where Aroclor-1260 was detected. Figure 5 presents the Aroclor-1260 locations exceeding target levels.

Leachability Evaluation - Both lead and PCB concentrations in soil were compared against leachability-based SCTL values listed in Table 1. The results of this comparison are included in Table 4. Areas exceeding the leachability-based SCTL values and other additional highest concentration areas were sampled for SPLP analysis to determine leachable fraction from the soil total PCB and total lead concentrations. The results of the SPLP analysis were compared against the GCTLs for low-yield aquifers (i.e., 10 x GCTL because shallow groundwater at the site is a perched aquifer) to identify remedial action areas as described below. When shallow soil indicated the presence of leachable fractions above GCTLs, the next deeper depth was also sampled for SPLP analysis. The results of the SPLP analyses are discussed below.

Grid-wide Statistical Average Estimation for Risk-Based Remediation

The basis for determining the extent of soil removal followed the decision logic described below. PCB removal areas were identified based on 95% UCL exceedance above SCTL and "hot spot" (1.5 mg/kg) criteria exceedances. No leachability potential based removals were identified for PCBs. Lead removal action is based on grid-wide average concentration exceedances, "hot spot" target level exceedances (1,200 mg/kg), and leachability potential indications.

PCBs-Remediation Areas

PCB data from all samples within a grid were used to estimate the 95% UCL values on the mean using the FDEP UCL Calculator, Version 0.97. A minimum of 10 samples were collected from each grid. As can be noted from Table 3, most grids had 10 to 18 samples per grid, with the exception of Grids B and T, which had 8 and 7 samples, respectively. However, Grid B did not have any detectable PCBs in any of the samples and the total area within the grid is slightly less than ¼-acre. Additionally, Grid T, which is also smaller than ¼-acre, had PCBs reported near detection limits, but none of the PCB detections exceeded the criteria. Therefore, the maximum concentration was used to propose a removal action recommendation for Grid T. The 95% UCL calculation output sheets from the FDEP UCL Tool are included in Attachment C (C1 and C2) for pre- and post-removal calculations.

When the grid-specific 95% UCL estimates are below SCTLs, the specific grid was identified as "clean" and no further sampling or removal action was recommended for that grid. The grids identified with 95% UCL values above SCTLs for residential or leachability target levels, and the specific locations with elevated concentration that were contributing to exceedances of 95% UCL on the mean concentrations above the target levels, were identified for removal action. The residual concentrations that are expected to remain in the grid are included for a re-calculation of the 95% UCL concentration, as included in Table 6. The removal actions, when implemented at the sample locations identified in Table 6, will reduce the PCB levels to below target levels after removal of the contaminated soils from the high concentration areas, as indicated by the residual 95% UCLs being below the target levels.

Table 6 identifies the grids and the specific sample locations that resulted in 95% UCL estimates above target levels. The samples contributing to the exceedance are also identified in this table for removal. Grids D, E, F, G, O, P, Q, S, X, Y and Z grids require some level of removal. The specific locations requiring removal actions are identified in Table 6 and illustrated in Figure 8. The removals will extend around each sample point with excessive concentration to a mid-point to the nearest "clean" sample point.

The hot spot area evaluation for PCBs resulted in some of the same grids that were also identified for removal based on 95% UCL value exceedance. The removal actions identified based on 95% UCL exceedance will result in removing the hot spots as well. Thus, no specific hot spot removal actions for PCB contaminated areas were identified.

Lead Remediation Areas

Following the EPA guidance, the grid-specific arithmetic average concentration was estimated for lead using 10 or more samples collected from a grid (see Figure 4). The

estimated average concentration was compared against the lead SCTL value for residential land use of 400 mg/kg (see Table 2). The grid with average concentrations exceeding the target SCTL value was identified for removal actions. The highest detected concentrations were recommended for removal in grids where average concentrations exceeded 400 mg/kg. Table 2 includes grids identified for removal actions. Table 5 includes specific samples within a grid identified for removal actions. Grids X and Z require removal action based on the exceedance of the average concentration above the target concentration.

Lead Hot Spot Evaluation: Additionally, the highest detected concentrations in each grid were compared against three times the SCTL value, to identify any extremely high concentrations which are also referred to as 'hot spot' values, particularly in grids where average concentrations did not exceed the target levels (see Table 5). Only one grid, Grid K, had hot spot removal actions identified for the area around one sample location, K4. Although other areas exceed 1,200 mg/kg (criteria for hot spot removals, e.g., Grids X and Z), these grids also exceed the target levels based on the average concentrations. Following removal actions, no hot spots are expected to remain in any of the grids. Figure 7 includes the lead removal areas identified from Table 5.

SPLP Evaluation

Table 4 includes a screening comparison of PCB and lead maximum and grid-wide average concentrations against leachability SCTLs. The detected PCB and lead concentrations in soil samples were compared against the leachability based SCTL values. The maximum detected PCB concentrations in Grids E and X exceed the leachability SCTL values, whereas, Grids K, Y and Z are above 400 mg/kg (the screening level leachability SCTL value). Based on these exceedances, SPLP analyses were conducted at the highest total PCB and total lead detection locations. The detected concentrations from the SPLP analysis were compared against the groundwater criteria ((Chapter 62-777, FAC, Table 1). Because the shallow groundwater at the site is a perched water table with low yield, a GCTL value multiplied by 10 was used for comparison. Table 7 includes a comparison of SPLP values against GCTL values, and the conclusions based on the comparisons. The GCTL value of 5 ug/L was used for comparison to PCB results and 150 ug/L was used for lead. No PCB removal action is identified based on the leachability evaluation using the SPLP data, as presented in Table 7.

Lead was identified as requiring removal action based on the analytical results from SPLP analysis in the same locations as the total lead removals identified based on SCTL comparisons. These details are included in Table 7. Where the deepest sample (e.g., 0.5 to 2 feet depth) exceeded the GCTL value, removals will extend to the water table. Two locations, samples X9 and Z11, have GCTL exceedances in the deepest sample collected (0.5 to 2 feet bgs). Soil in these two locations will be removed up to the top of the groundwater table to ensure groundwater will not be impacted in the future by elevated levels of the contaminants. Additionally, the removal action implemented across the DRMO will eliminate all future sources for leachability, as all the highest concentration locations are identified for removal based on previous comparisons described above.

Two sample locations, S4 located at the southwest corner of the DRMO and sample Z11 located at the southeast corner of the DRMO, were collected along the boundary line to the DRMO. The full extent of contamination beyond these sample locations could not be determined due to the fence and inaccessibility beyond these points. Because both these

locations have above target levels for PCBs (Z11 and S4) and lead (S4), contamination could be present beyond the property boundary at the DRMO. Therefore, additional removal/confirmation sampling beyond the DRMO facility boundary may be warranted in these areas.

Removals to Eliminate Engineering Controls at DRMO

There are five areas identified in the Truman Annex Quitclaim Deed, termed engineering controls (ECs), which ~~may require~~ soil removal action. These selected areas will be excavated to two feet below ground surface (bgs) to remove the continued requirement to maintain the ECs and to meet residential land use standards. The COCs for these areas will be identified based on information to be provided by TTNUS prior to the removal action. Figure 8 shows the approximate location of the EC areas adjacent to the DRMO.

Removals in the Former Water Storage Tank Area

As mentioned earlier, there are three surface soil "hot spots" around the former water storage tank area that will require removal based on previous agreements between the Navy, City, and FDEP. These three "hot spot" areas will be remediated to two feet bgs as part of the DRMO removal action to meet the residential land use standards. The COCs for these areas include antimony, arsenic, chromium, copper, lead, and PCBs. Figure 8 shows the three "hot spot" areas around the former water storage tank area. Note that there is overlap between the "hot spot" around the former tank area and the areas identified for removal based on the recent sampling performed.

Utility Clearance Survey

Prior to sample collection activities, a site utility clearance survey was performed by TBE. A number of underground utilities were identified across the site which bisected a number of the sub-grids. The underground utilities identified were sanitary sewers, communication lines, water lines, electrical lines, and "historical piping". Where the underground utilities bisect the proposed sub-grid sample locations, the sample location was off-set at least three feet. No underground utilities were encountered during the direct-push probing sampling effort. Figure 9 provides the location of the utilities relative to sample locations.

Summary of Recommendations

The specific grids and sample locations that require soil removal based on the risk-based corrective action guidance from FDEP, as outlined in the approved SAP, are provided on Tables 5, 6, and 7. Figure 8 identifies all the removal areas based on the risk-based evaluation of the data presented in this memorandum. Additionally, areas previously identified as potentially requiring removal action include the EC areas. The three "hot spot" areas around the former water storage tank area will also be removed. Two locations, one in the southeast corner and one in the southwest corner, may require removal actions beyond the DRMO boundary due to the presence of PCBs and lead in samples (S4 and Z11) at the fence line.

Based on these results, the estimated volume of soil proposed for removal based on the risk-based evaluation of the data is approximately 2,800 bank cubic yards (BCY). The volume of soil removal for the five EC areas is approximately 100 BCY. The estimated volume of soil removal for the three surface soil "hot spot" areas around the former water storage tank is approximately 200 BCY. The area and volume calculations of the various removal areas are summarized in Table 8.

Following acceptance of the proposed soil removal action outlined in this memorandum, a detailed work plan for the removal action will be prepared by CH2M HILL and presented to the Navy for approval. CH2M HILL is currently anticipating the removal action to begin on January 29, 2007.

References

CH2M HILL 2006, *Sampling and Analysis Plan*, Defense Reutilization and Marketing Office (DRMO), Truman Annex, located at the Naval Air Station (NAS) Key West in Key West, Florida, prepared by CH2M HILL, July 2006

Figures

Tables

Attachments

A	Analytical Data Summary
B	Data Validation Reports
C	95% UCL Calculation Output Sheets

Figures

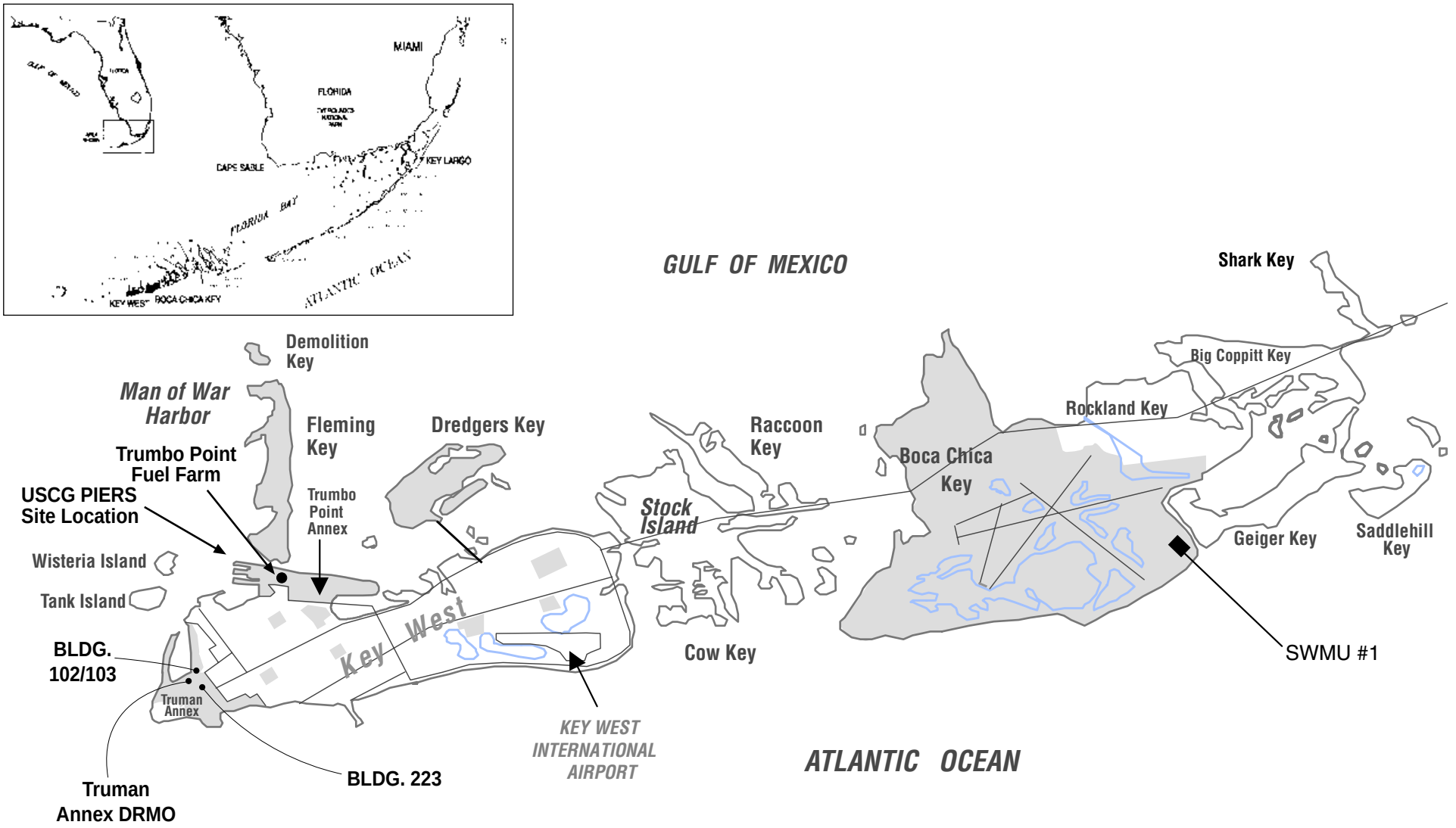

FIGURE 1
Site Location Map
DRMO, Truman Annex
NAS Key West
Key West, Florida

DRMO Facility Boundary
Fence
Surveyed Sample Grid
Sample Location

0 50 100 200
Feet

N

Figure 2
Samples Collected Across Various Grids
DRMO Truman Annex
Key West NAS
Key West, Florida

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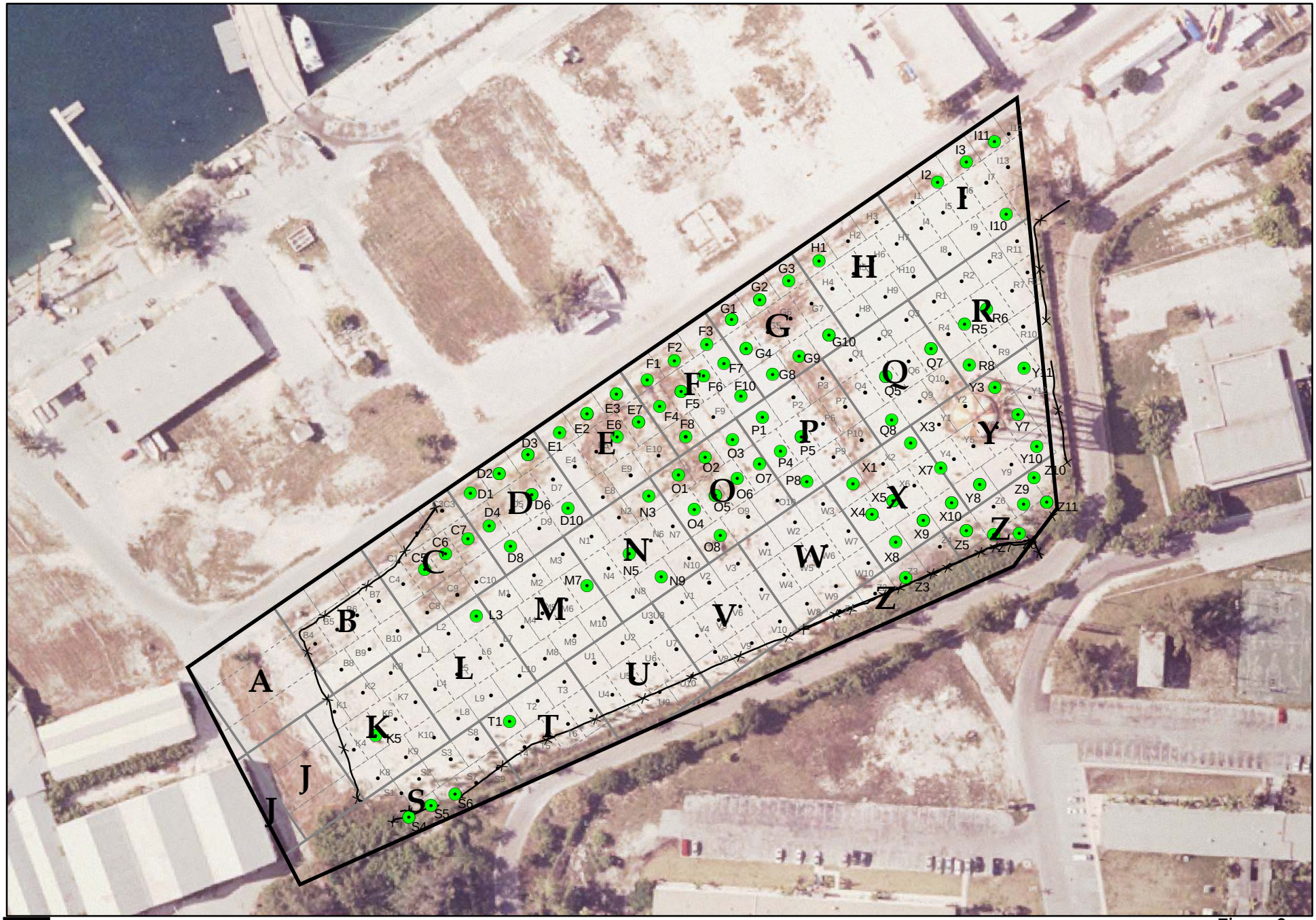

Figure 3
PCB Analytical Data with Detects Highlighted and Subgrids Marked
DRMO Truman Annex
Key West NAS
Key West, Florida

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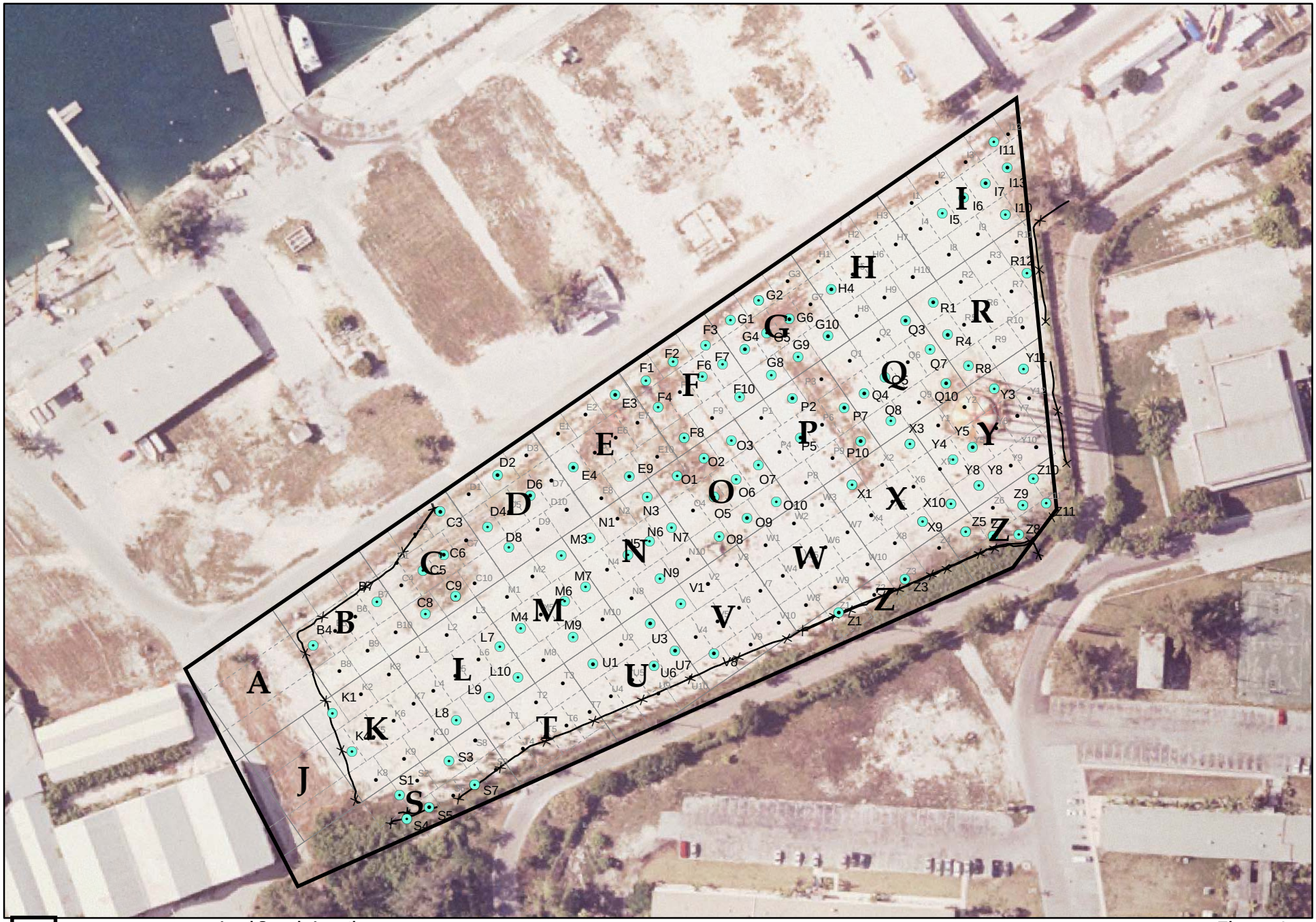

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Figure 4
Lead Detection Locations Highlighted and Subgrids Marked
DRMO Truman Annes
Key West NAS
Key West, Florida

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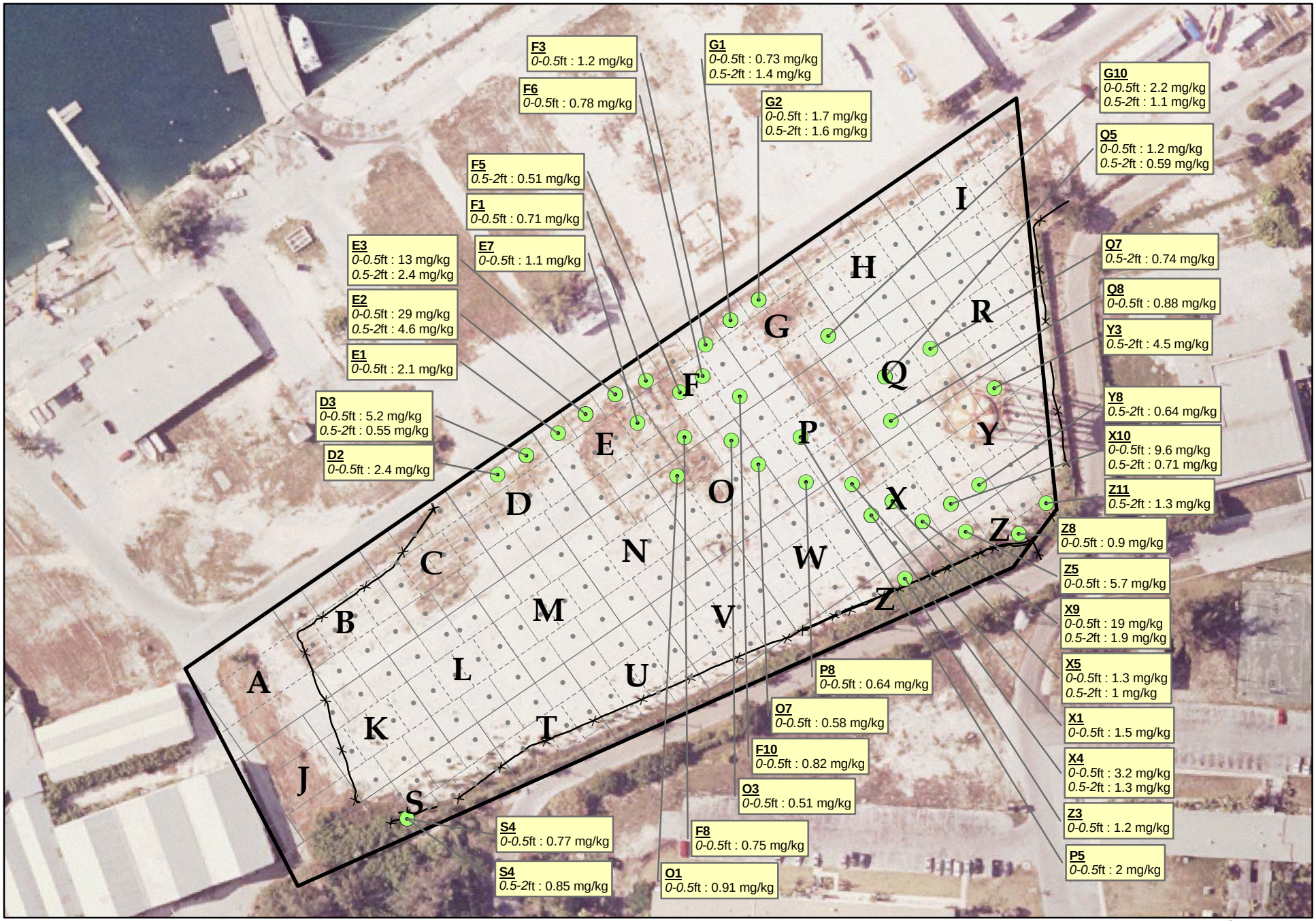

DRMO Facility Boundary
Fence
Surveyed Sample Grid
~~Aroclor~~ 1260 Sample Locations Above RTL
Sample Results below RTL
Sample Sub-grid

0 50 100 200
Feet

N

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Figure 5
Sample Specific PCB Detections Above 0.5 mg/kg (Residential Target Level)
DRMO Truman Annex
Key West NAS
Key West, Florida

\\boomer\F\projects5\NASKeyWest\mxd\Aroclor_1260_GT_RTL.mxd JKelly 12/18/2006

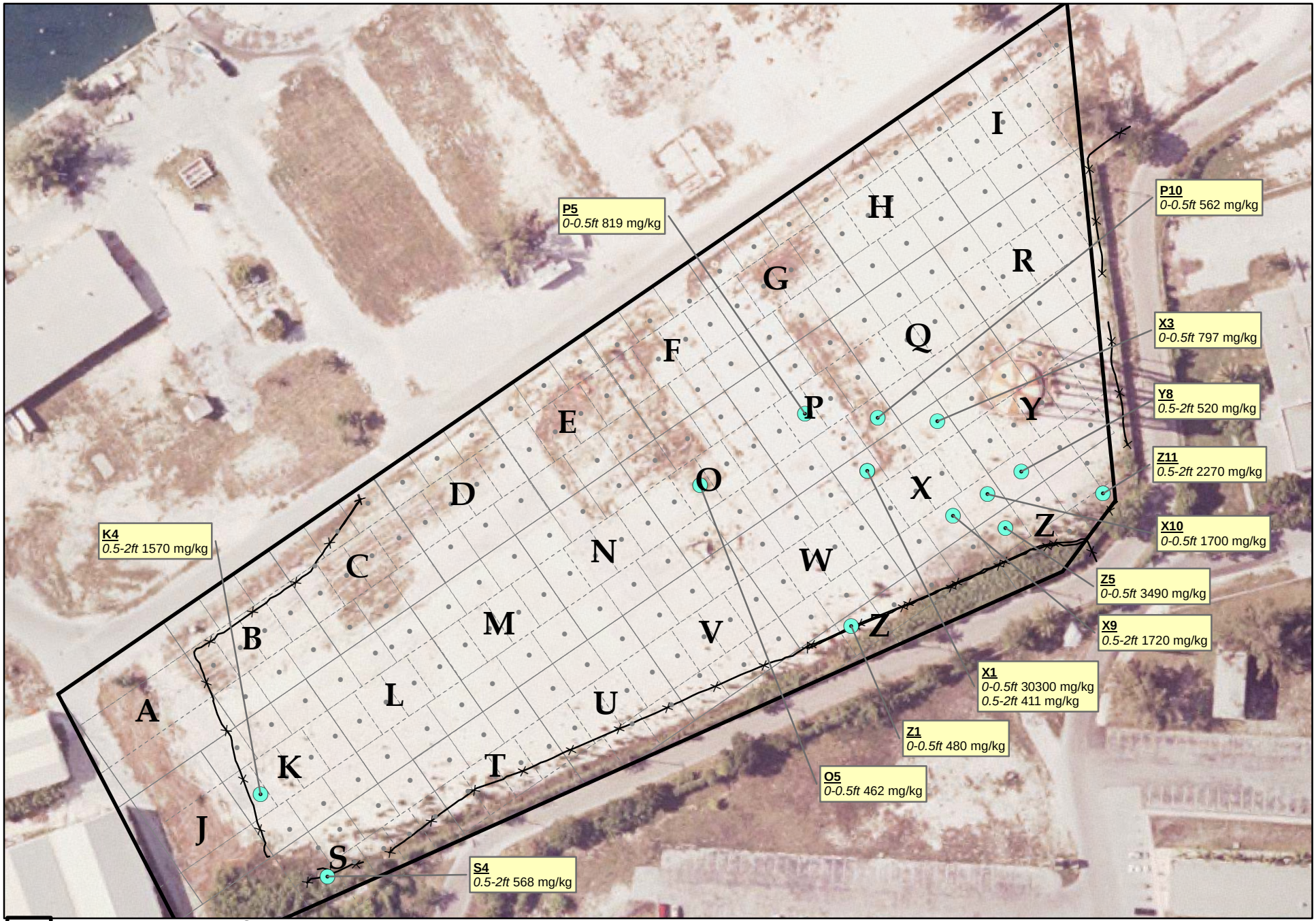

Figure 6
Sample-Specific Lead detections Above 400 mg/kg (Residential target Level)
DRMO Truman Annex
Key West NAS
Key West, Florida

CH2MHILL

\\boomer\F\projects5\NASKeyWest\mxd\Lead_GT_RTL.mxd JKelly 12/18/2006

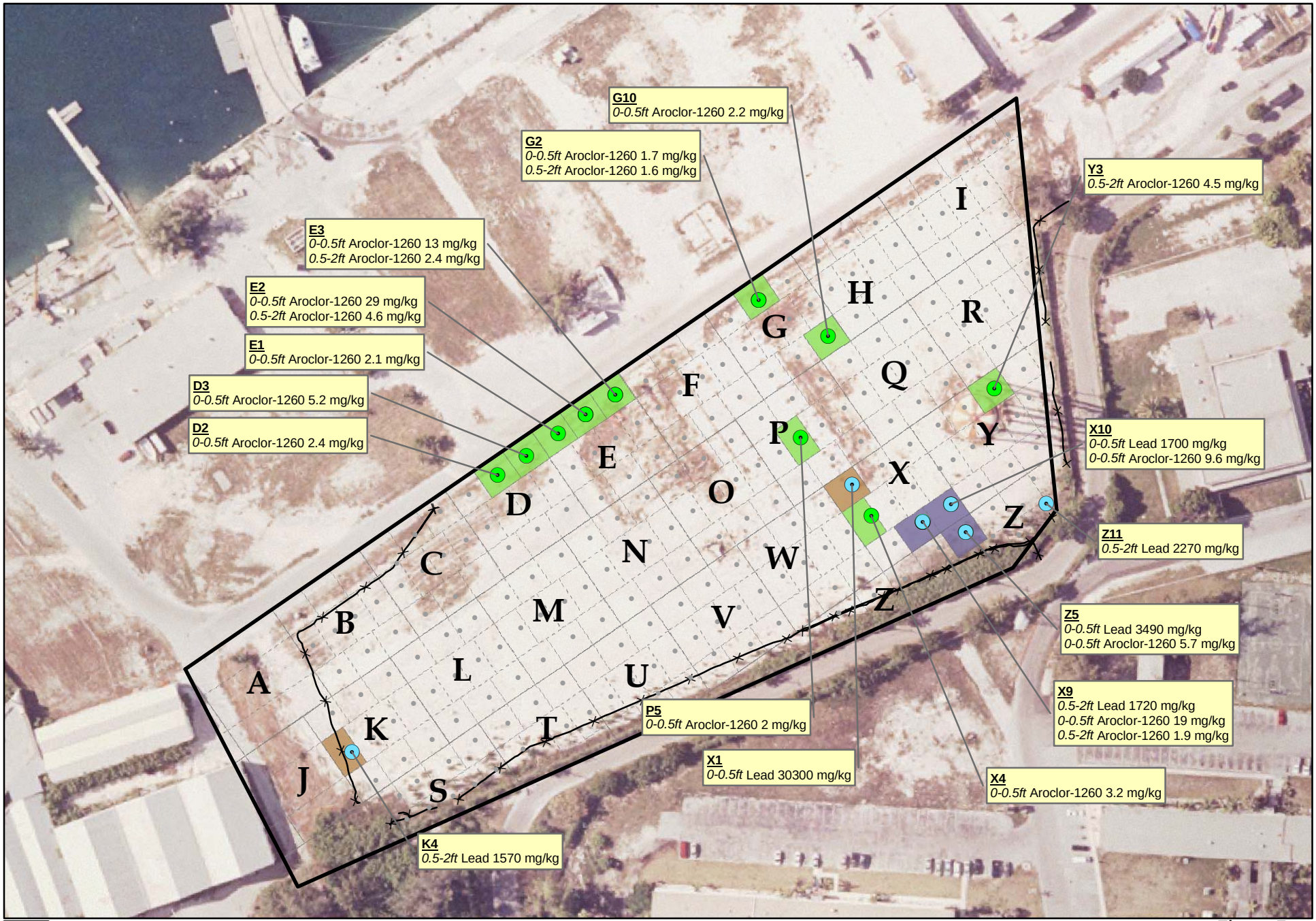

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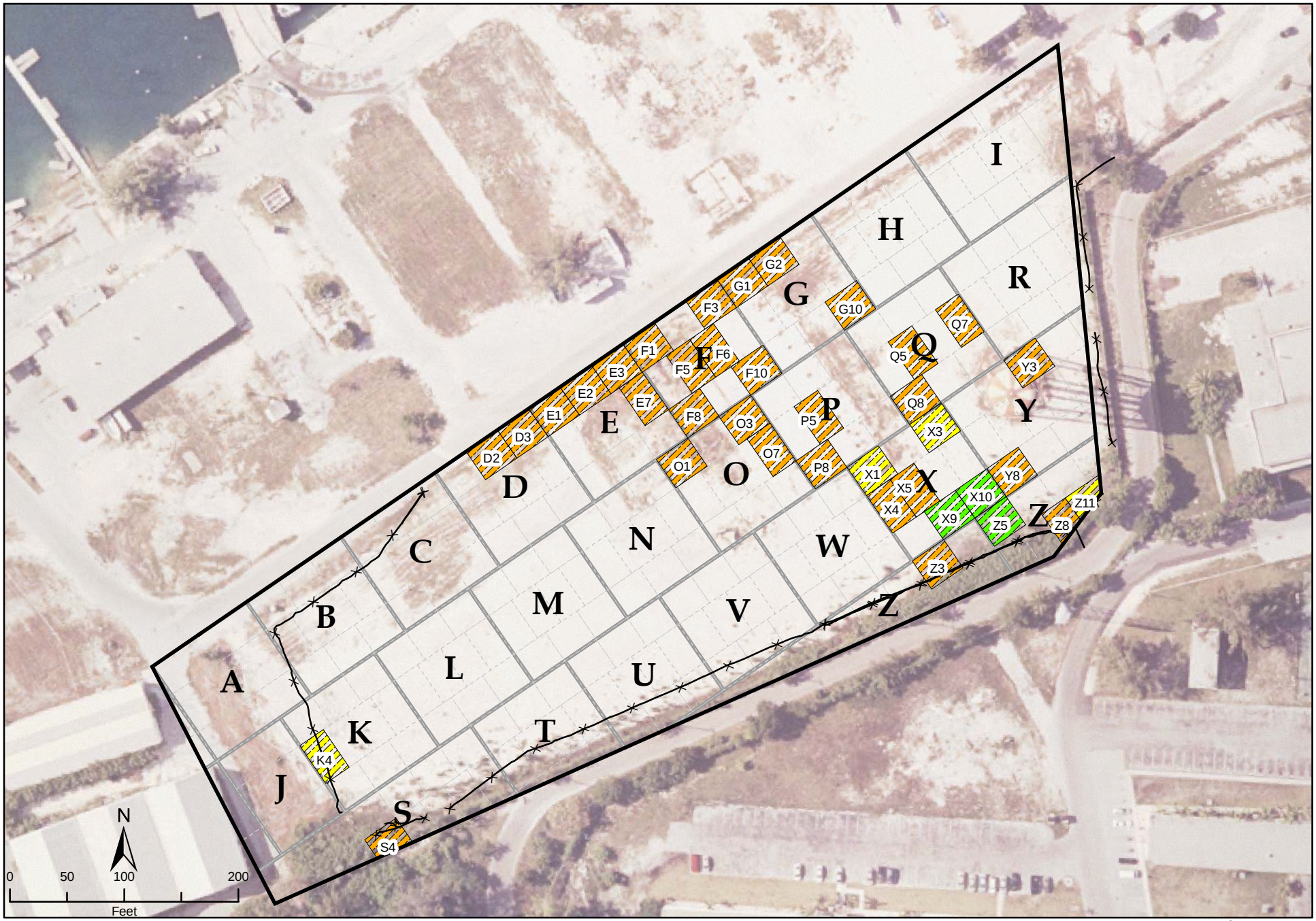
Figure 7
Areas with PCB or Lead Above 3X Residential Target Levels
DRMO Truman Annex
Key West NAS
Key West, Florida

\\boomer\F\projects5\NASKeyWest\mxd\Aroclor_1260_Lead_3X.mxd JKelly 12/18/2006



DRMO Facility Boundary
Fence
Surveyed Sample Grid
Sample Sub-grid

Proposed Excavation Areas

Lead Exceedance Identifed
PCBs Exceedance Identifed
Lead & PCBs Exceedance Identifed

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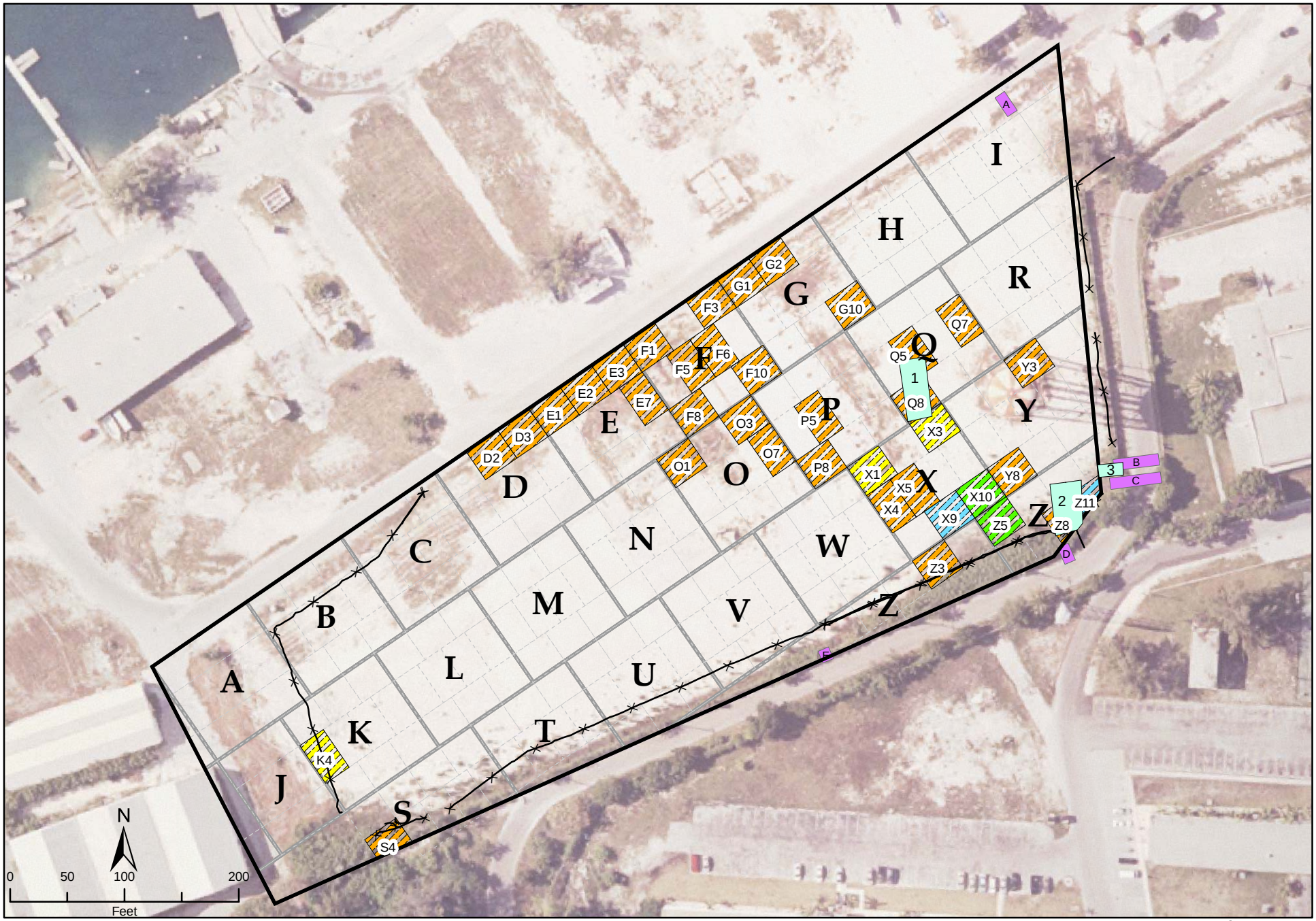
Figure 8
PCBs and Lead Contamination Areas Identified for Removal Based on RTL or Leachability Criteria Exceedence
DRMO Truman Annex
Key West NAS
Key West, Florida

\\boomer\F\projects5\NASKeyWest\mxd\Removal_Leachability.mxd JKelly 12/18/2006



DRMO Facility Boundary
Fence

Proposed Excavation Areas

Excavate to 2.0 ft (Lead)
Excavate to 2.0 ft (PCBs)
Excavate to 2.o ft (Lead and PCBs)
Excavate to Water Table (*Lead & PCBs)
* Excavation depth expanded due to SPLP exceedance

Engineering Controls - Areas Proposed for Removal
Undisturbed Area
Hotspot Areas Requiring Removal

Excavation Areas also include 3X RTL exceedance. Please see Figure 6 for details.

Data Source for Engineering Controls: Tetra Tech NUS, Inc.

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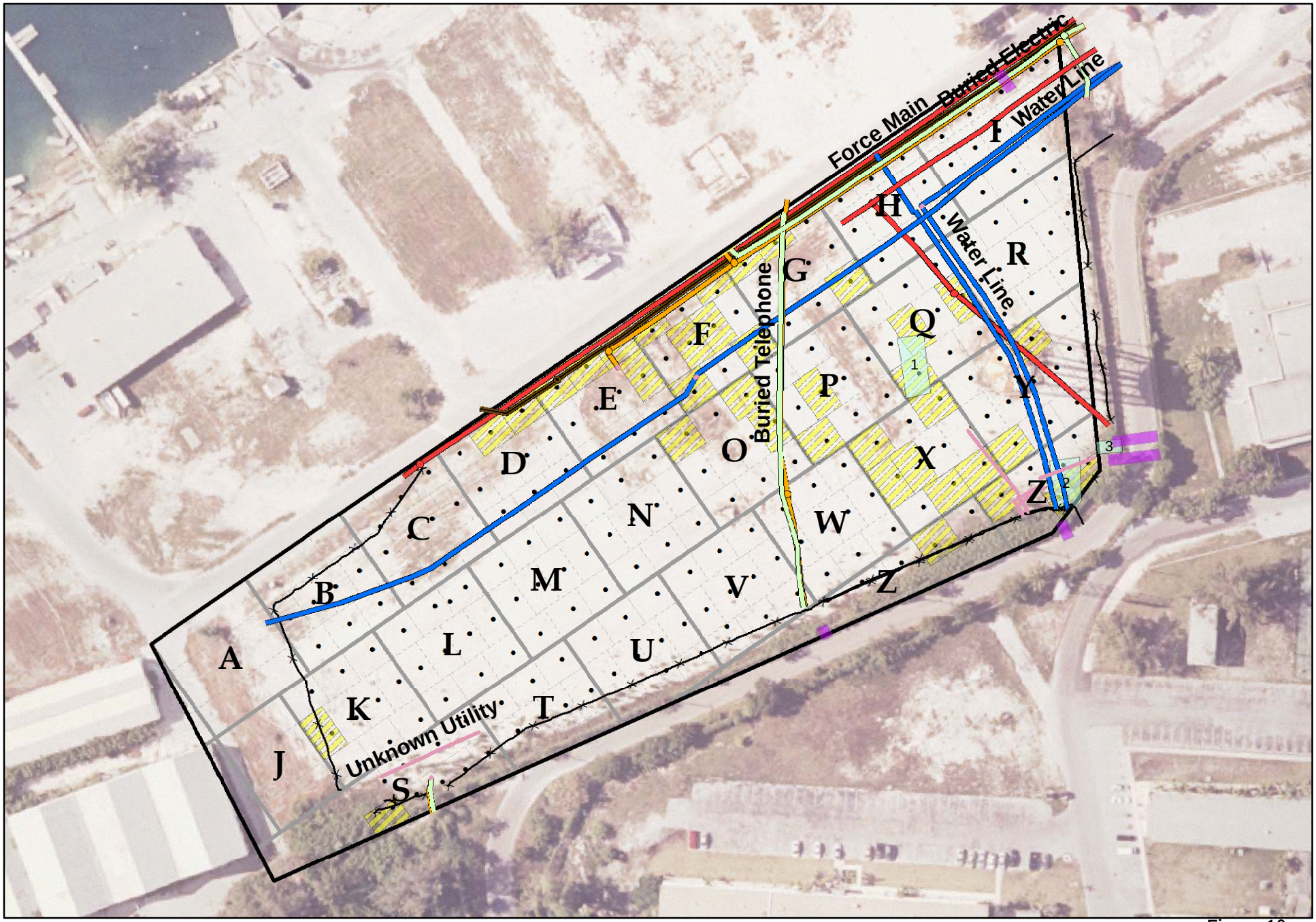
Figure 9
Areas Identified for Removal Action
DRMO Truman Annex
Key West NAS
Key West, Florida

\\boomer\F\projects5\NASKeyWest\mxd\RemovalAreas.mxd JKelly 12/18/2006



Engineering Controls
DRMO Facility Boundary
Fence
Surveyed Sample Grid

Sample Locations
Undisturbed Area
Proposed Removal Area
Hotspot Areas Requiring Removal

Survey Utility Locations
Telephone
Storm Water Drainage System
Buried Electrical

Sanitary Sewer System
Water System
Other Buried Utilities

Data Source for Engineering Controls:
Tetra Tech NUS, Inc

0 50 100 200
Feet

N

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Figure 10
Utility Clearance Survey Results
DRMO Truman Annex
Key West NAS
Key West, Florida

\\boomer\F\projects5\NASKeyWest\mxd\Utilities.mxd JKelly 12/14/2006

Tables

TABLE 1
Soil Cleanup Target Levels (per Chapter 62-777, FAC) (2005 update)

Chemical	Residential SCTL (mg/kg)	Industrial SCTL (mg/kg)	Soil-to groundwater Leachability based SCTL (mg/kg)
PCBs	0.5	2.6	17
Lead	400	1400	NA

Note:
NA – A value not available

Table 2: Grid Specific Analytical Data Statistical Summary for Lead

					Does the grid Exceed Criteria?				
Grid	**Units**	**Maximum**	**Minimum**	**Average**	**PRG-Residential (400 mg/kg)***	**PRG-Industrial (1400 mg/kg)***	**3X PRG-Res (1200 mg/kg)****	**3X PRG-Ind. (4200 mg/kg)****	**Comment**
Grid B	MG/KG	66.4	15.9	26.2	No	No	No	No	No action
Grid C	MG/KG	244	9.98	39.4	No	No	No	No	No action
Grid D	MG/KG	135	15.1	38.2	No	No	No	No	No action
Grid E	MG/KG	147	15.2	38.1	No	No	No	No	No action
Grid F	MG/KG	277	15.1	92	No	No	No	No	No action
Grid G	MG/KG	267	15.45	106	No	No	No	No	No action
Grid H	MG/KG	37.1	13.5	22.0	No	No	No	No	No action
Grid I	MG/KG	63.4	11.2	21.8	No	No	No	No	No action
Grid K	MG/KG	1570	14.25	188.9	No	No	**Yes**	No	**Hot Spot Removal in one location**
Grid L	MG/KG	60.5	15.75	30	No	No	No	No	No action
Grid M	MG/KG	87.8	15.15	31	No	No	No	No	No action
Grid N	MG/KG	170	15.55	57.6	No	No	No	No	No action
Grid O	MG/KG	462	11.1	94.0	No	No	No	No	No action
Grid P	MG/KG	819	17.05	137.7	No	No	No	No	No action
Grid Q	MG/KG	207	8.46	40.9	No	No	No	No	No action
Grid R	MG/KG	39.75	8.98	18.7	No	No	No	No	No action
Grid S	MG/KG	568	14.1	76.3	No	No	No	No	No action
Grid T	MG/KG	ND	ND	ND	No	No	No	No	No action
Grid U	MG/KG	31.2	14.7	27.3	No	No	No	No	No action
Grid V	MG/KG	70	14.75	23.1	No	No	No	No	No action
Grid W	MG/KG	ND	ND	ND	No	No	No	No	No action
Grid X	MG/KG	30300	14.7	2703.5	**Yes**	**Yes**	**Yes**	**Yes**	**This grid requires corrective actions for lead**
Grid Y	MG/KG	520	10.1	68.0	No	No	No	No	No action
Grid Z	MG/KG	3490	19.7	446.2	No	No	**Yes**	No	**Hot Spot Removal in two locations**

Note:

* - average concentration from the grid is compared against residential and industrial criteria.

** Hot spot evaluations are based on exceedence of maximum grid concentration higher than three times the SCTL for residential or industrial land use.

mg/kg - milligrams per kilogram

Table 3: Grid-Specific Analytical Data Statistical Summary for Aroclor-1260 (PCB)

Grid	N	Detects	Max	Min	FL-UCL	PRG-Res (0.5 mg/kg)	PRG-Ind (2.6 mg/kg)	3X PRG-Res (1.5 mg/kg)	3X PRG-Ind (7.8 mg/kg)	Recommendation
Grid B	8	0	ND	ND	ND	No	No	No	No	No action
Grid C	14	3	0.35	ND	0.35	No	No	No	No	No action
Grid D	15	10	5.2	0.069	2.23	**Yes**	**Yes**	**Yes**	No	**This grid requires corrective actions around where the three samples above 1 ppm are**
Grid E	16	9	30	0.34	16.16	**Yes**	**Yes**	**Yes**	No	**This grid requires corrective actions around where the three samples above 1 ppm are**
Grid F	12	10	1.2	0.076	0.94	**Yes**	No	No	No	**This grid requires corrective actions around where the three samples above 1 ppm are**
Grid G	15	11	2.2	0.069	1.49	**Yes**	No	No	No	**This grid requires corrective actions around where the three samples above 1 ppm are**
Grid H	13	1	0.063	0.063	0.063	No	No	No	No	No action
Grid I	17	4	0.35	0.34	0.35	No	No	No	No	No action
Grid K	10	1	0.21	0.21	0.21	No	No	No	No	No action
Grid L	10	1	0.1	0.1	0.10	No	No	No	No	No action
Grid M	10	1	0.14	0.14	0.14	No	No	No	No	No action
Grid N	10	3	0.2	0.075	0.20	No	No	No	No	No action
Grid O	12	9	0.91	0.084	0.67	**Yes**	No	No	No	**This grid requires corrective actions through out the entire grid due ot fairly uniform PCBs**
Grid P	14	5	2	0.073	0.98	**Yes**	No	No	No	**This grid requires corrective actions through out the entire grid due ot fairly uniform PCBs**
Grid Q	15	5	1.2	0.072	0.78	**Yes**	No	No	No	**This grid requires corrective actions around where top two exceedences are noted.**
Grid R	17	3	0.41	0.15	0.40	No	No	No	No	No action
Grid S	10	4	0.85	0.12	0.61	**Yes**	No	No	No	**This grid requires corrective actions around where top two exceedences are noted.**
Grid-T	7	1	0.076	0.076	0.08	No	No	No	No	No action
Grid U	13	0	ND	ND	ND	No	No	No	No	No action
Grid V	12	0	ND	ND	ND	No	No	No	No	No action
Grid W	10	0	ND	ND	ND	No	No	No	No	No action
Grid X	15	13	19	0.1	10.84	**Yes**	**Yes**	**Yes**	**Yes**	**This grid requires corrective actions around where the three samples above 1 ppm are**
Grid Y	18	6	4.5	0.059	1.6	**Yes**	No	**Yes**	No	**This grid requires corrective actions around where the three samples above 1 ppm are**
Grid Z	17	9	5.7	0.071	2.09	**Yes**	No	**Yes**	No	**This grid requires corrective actions around where the three samples above 1 ppm are**

Note:

Only Aroclor-1260 among the PCB mixtures was reproted as detected. None of the samples from any of the grids had any other PCBs detected.

mg/kg - milligrams per kilogram

Table 4: Grid Specific Comparison of Lead and PCB comparison with Leachability Criteria									
		Lead Leachability SCTL (400 mg/kg) Comparison				PCB Leachability SCTL (17 mg/kg) Comparison			
Grid	**Units**	**Maximum**	**Average**	Max>400 mg/kg	Average>400 mg/kg	**Maximum**	**FL-UCL**	Max>17 mg/kg	UCL>17 mg/kg
Grid B	MG/KG	66.4	26.5	No	No	ND	ND	No	No
Grid C	MG/KG	56.2	21.9	No	No	0.35	0.35	No	No
Grid D	MG/KG	67.7	25.7	No	No	5.2	2.23	No	No
Grid E	MG/KG	12.9	16.8	No	No	30	16.16	**Yes**	No
Grid F	MG/KG	277	77.1	No	No	1.2	0.94	No	No
Grid G	MG/KG	299	97.9	No	No	2.2	1.49	No	No
Grid H	MG/KG	19.35	17.5	No	No	0.063	0.063	No	No
Grid I	MG/KG	63.4	21.9	No	No	0.35	0.35	No	No
Grid K	MG/KG	**1570**	160.2	**Yes**	No	0.21	0.21	No	No
Grid L	MG/KG	60.5	29.6	No	No	0.1	0.10	No	No
Grid M	MG/KG	87.8	30.9	No	No	0.14	0.14	No	No
Grid N	MG/KG	170	57.6	No	No	0.2	0.20	No	No
Grid O	MG/KG	164	65.5	No	No	0.91	0.67	No	No
Grid P	MG/KG	20.35	18.2	No	No	2	0.98	No	No
Grid Q	MG/KG	191	41.2	No	No	1.2	0.78	No	No
Grid R	MG/KG	8.98	17.0	No	No	0.41	0.40	No	No
Grid S	MG/KG	411	61.3	No	No	0.85	0.61	No	No
Grid T	MG/KG	74.3	36.1	No	No	0.076	0.076	No	No
Grid U	MG/KG	18.55	16.1	No	No	ND	ND	No	No
Grid V	MG/KG	70	22.1	No	No	ND	ND	No	No
Grid W	MG/KG	69.8	28.3	No	No	ND	ND	No	No
Grid X	MG/KG	**30300**	3296.9	**Yes**	**Yes**	19	10.84	**Yes**	No
Grid Y	MG/KG	437	68.3	**Yes**	No	4.5	1.6	No	No
Grid Z	MG/KG	**2270**	270.2	**Yes**	No	5.7	2.09	No	No

Note:

* - average concentration from the grid is compared against residential and industrial criteria.

** Hot spot evaluations are based on exceedence of maximum grid concentration higher than three times the SCTL for residential or industrial land use.

mg/kg - milligrams per kilogram

Table 5: Areas for Removal Actions for Lead and Residual Concentrations by Grid After Removal Actions

Grid	Maximum Before Removal	Minimum Before Removal	Average Before Removal	Comment	Samples (Area) to be Removed	Maximum After Removal	Average after removal (Replaced with lowest detected value from the grid)
Grid B	66.4	15.9	26.2	No action	NA	66.4	17.0
Grid C	244	9.98	39.4	No action	NA	56.2	35.2
Grid D	135	15.1	38.2	No action	NA	67.7	15.6
Grid E	147	15.2	38.1	No action	NA	12.9	12.9
Grid F	277	15.1	92	No action	NA	277	15.1
Grid G	267	15.45	106	No action	NA	299	10.4
Grid H	37.1	13.5	22.0	No action	NA	ND	ND
Grid I	63.4	11.2	21.8	No action	NA	63.4	16.8
Grid K	1570	14.25	188.9	**Hot Spot Removal**	**K4 (0.5-2)**	191	31.7
Grid L	60.5	15.75	30	No action	NA	60.5	30
Grid M	87.8	15.15	31	No action	NA	87.8	31
Grid N	170	15.55	57.6	No action	NA	170	57.6
Grid O	462	11.1	94.0	No action	NA	164	65.5
Grid P	819	17.05	137.7	No action	NA	20.35	18.2
Grid Q	207	8.46	40.9	No action	NA	191	41.2
Grid R	39.75	8.98	18.7	No action	NA	8.98	17.0
Grid S	568	14.1	76.3	No action	NA	411	61.3
Grid T	ND	ND	ND	No action	NA	ND	ND
Grid U	31.2	14.7	27.3	No action	NA	18.55	16.1
Grid V	70	14.75	23.1	No action	NA	70	22.1
Grid W	ND	ND	ND	No action	NA	ND	ND
Grid X	30300	14.7	2703.5	**This grid requires corrective actions for lead**	**X1 (0-0.5), X3 (0.5-2), X9 (0.5-2) and X10 (0-0.5)**	54.5	24.3
Grid Y	520	10.1	68.0	No action	NA	520	68.31
Grid Z	3490	19.7	446.2	**The high lead concentrations in two locations need corrective action**	**Z5 (0-0.5) and Z11 (0.5-2)**	134.6	46.5

Note:

Some of the grids (e.g., D, E, F, G, P,will have lowered lead levels due to PCB removals

mg/kg - milligrams per kilogram

Table 6: Areas for Removal Actions for PCBs and Residual Concentrations by Grid After Removal Actions

Grid	FL-UCL	Grids Recommended for Corrective Action?	PCB Contaminated Samples Recommended for Removal Action	UCL After Removal Action Implementation
Grid B	ND	No	None	ND
Grid C	0.35	No	None	0.35
Grid D	2.23	**Yes**	D2(0-0.5) and D3 (0-0.5 and 0.5 to 2)	0.26
Grid E	16.16	**Yes**	E1 (0-0.5), E2 (0.5-2), E3 (0.5-2) and E7(0-0.5)	0.39
Grid F	0.94	**Yes**	F1(0-0.5), F3(0-0.5), F5 (0.5-2), F6(0-0.5), F8(0-0.5), and F10 (0-0.5)	0.37
Grid G	1.49	**Yes**	G1(0.5-2), G2(0.5-2), and G10 (0.5-2)	0.34
Grid H	0.063	No	None	0.063
Grid I	0.35	No	None	0.35
Grid K	0.21	No	None	0.21
Grid L	0.10	No	None	0.10
Grid M	0.14	No	None	0.14
Grid N	0.20	No	None	0.20
Grid O	0.67	**Yes**	O1 (0-0.5), O3 (0-0.5) and O7 (0-0.5)	0.44
Grid P	0.98	**Yes**	P5(0-0.5) and P8 (0-0.5)	0.36
Grid Q	0.78	**Yes**	Q5 (0.5-2), Q7 (0.5-2) and Q8 (0-0.5)	0.072
Grid R	0.40	No	None	0.4
Grid S	0.61	**Yes**	S4(0-0.5 and 0.5 to 2)	0.22
Grid T	0.08	No	None	0.08
Grid U	ND	No	None	ND
Grid V	ND	No	None	ND
Grid W	ND	No	None	ND
Grid X	10.84	**Yes**	X1(0-0.5), X4 (0.5-2), X5 (0.5-2), X9 (0.5-2) and X10 (.05-2)	0.4
Grid Y	1.6	**Yes**	Y3 (0.5-2) and Y8 (0.5-2)	0.399
Grid Z	2.09	**Yes**	Z3 (0-0.5), Z5(0-0.5), Z8 (0-0.5) and Z11 (0.5-2)	0.38

Table 7: Soil leachability Evaluation and SPLP Data Summary by Grid							
SampleID	**Units**	**Analyte**	**Conc.**	**Qual**	**GCTLs**	**Exceeded?**	**Comment**
SPLP Analytical Results for Aroclor 1260*							
45-E1(0-0.5)-091406	UG/L	Aroclor-1260	0.51	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-E2(0.5-2)-091406	UG/L	Aroclor-1260	0.52	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-E3(0.5-2)-091406	UG/L	Aroclor-1260	0.51	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-X9(0.5-2)-091906	UG/L	Aroclor-1260	1.1	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-Y3(0.5-2)-092006	UG/L	Aroclor-1260	0.52	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-E2A(0-0.5)-110706	UG/L	Aroclor-1260	2	=	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-E3A(0-0.5)-110806	UG/L	Aroclor-1260	2.2	=	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-X10A(0-0.5)-110806	UG/L	Aroclor-1260	0.53	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-X9A(0-0.5)-110706	UG/L	Aroclor-1260	0.5	U	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
45-Z5A(0-0.5)-110906	UG/L	Aroclor-1260	1.3	=	5	No	No GCTL exceedence. PCBs will be removed due to SCTL exceedence
SPLP Analytical Results for Lead							
45-K4(0.5-2)-090606	MG/L	Lead	0.0344		0.15	No	Lead will be removed due to SCTL exceedence
45-X1(0-0.5)-091906	MG/L	Lead	19.6		0.15	Yes	Lead will be removed to 2ft below surface due to SCTL and GCTL exceedence. Deeper sample (listed below) is clean, therefore no additional actions needed.
45-X1(0.5-2)-091906	MG/L	Lead	0.0141		0.15	No	No action
45-X3(0-0.5)-091906	MG/L	Lead	0.271		0.15	Yes	Lead will be removed to 2 ft below surface due to SCTL and GCTL exceedence. Deeper soils are below criteria for lead.
45-X9(0.5-2)-091906	MG/L	Lead	0.117		0.15	Yes	Lead will be removed to from 0 to water table (~6 ft bgs) to eliminate potential source for leaching since there are no sample data below 2 ft at this location.
45-X10(0-0.5)-091906	MG/L	Lead	0.081		0.15	No	Lead will be removed to 2 ft below surface due to SCTL and GCTL exceedence. Deeper soils are below criteria for lead.
45-Z5(0-0.5)-092106	MG/L	Lead	0.647		0.15	Yes	Lead will be removed to 2 ft below surface due to SCTL and GCTL exceedence. Samples at 2 ft are clean, and no additional investigation is needed.
45-Z11(0.5-2)-092106	MG/L	Lead	0.673		0.15	Yes	Lead will be removed to from 0 to water table (~6 ft bgs) to eliminate potential source for leaching since there are no sample data below 2 ft at this location.

Note:

*-Only Aroclor-1260 was detected among all the PCB mixtures analyzed.

SCTL- Soil Clean-up Target Levels from FDEP Ch.62-777, Table 2, and GCTL-Groundwater Cleanup Target Levels, from Ch.62-777, Table 1.

mg/L - milligrams per liter

Table 8: Excavation Areas and Volume Calculations				
Grid	Constituent for Removal	Excavation Volume in cubic feet	Depth of Removal (in feet)	Area in square feet
Removal Areas based on Recent Sampling				
D2	PCBs	1998	2.00	999
D3	PCBs	1998	2.00	999
E1	PCBs	1998	2.00	999
E2	PCBs	1998	2.00	999
E3	PCBs	1998	2.00	999
E7	PCBs	1988	2.00	994
F1	PCBs	1998	2.00	999
F10	PCBs	2020	2.00	1010
F3	PCBs	1998	2.00	999
F5	PCBs	2004	2.00	1002
F6	PCBs	2004	2.00	1002
F8	PCBs	1992	2.00	996
G1	PCBs	1998	2.00	999
G10	PCBs	2000	2.00	1000
G2	PCBs	1998	2.00	999
K4	Lead	2008	2.00	1004
O1	PCBs	1998	2.00	999
O3	PCBs	2002	2.00	1001
O7	PCBs	1956	2.00	978
P5	PCBs	2008	2.00	1004
P8	PCBs	2012	2.00	1006
Q5	PCBs	2008	2.00	1004
Q7	PCBs	1940	2.00	970
Q8	PCBs	2012	2.00	1006
S4	PCBs	1510	2.00	755
X1	Lead*	1998	2.00	999
X10	Lead* & PCBs	1988	2.00	994
X3	Lead	2018	2.00	1009
X4	PCBs	2014	2.00	1007
X5	PCBs	2014	2.00	1007
X9	Lead* & PCBs	3976	4.00	994
Y3	PCBs	2018	2.00	1009
Y8	PCBs	1990	2.00	995
Z11	Lead*	2420	4.00	605
Z3	PCBs	1998	2.00	999
Z5	Lead* & PCBs	1998	2.00	999
Z8	PCBs	1418	2.00	709
	Total Volume	**2789**		
Removal Areas to Eliminate Engineering Controls				
Grid	**Constituent**	**Excavation Volume in cubic feet**	**Depth of Removal**	**Area in square feet**
Site A	TBD	399	2	199
Site B	TBD	798	2	399
Site C	TBD	889	2	445
Site D	TBD	321	2	161
Site E	TBD	220	2	110
	Total Volume	**97**		
Removal Areas Identified as "Hot Spots" Near the Former Water Tank Area				

Hot Spot 1	TBD	2378	2	1189
Hot Spot 2	TBD	2255	2	1128
Hot Spot 3	TBD	480	2	240
Total Volume		**193**		

Attachment A
Analytical Data Summary

Description	SampleID	CollectDate	Matrix	AnalysisMethod	Parameter	Result	Qualifier	RL	MinDL	Unit
Grid-B-P10D	45-B10-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	33.2	U	33.2	24.3	MG/KG
Grid-B-P4S	45-B4-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	66.4	=	36.6	26.7	MG/KG
Grid-B-P5D	45-B5-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	32.4	U	32.4	23.6	MG/KG
Grid-B-P6S	45-B6-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	32.7	U	32.7	23.9	MG/KG
Grid-B-P7	45-B7(0.5-2)-090706	9/7/2006	Soil	SW6010B	Lead	47.8	U	47.8	12.4	MG/KG
Grid-B-P7S	45-B7(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	36.9	=	30.9	22.5	MG/KG
Grid-B-P8D	45-B8-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	31.8	U	31.8	23.2	MG/KG
Grid-B-P9S	45-B9-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	34	U	34	24.8	MG/KG
Grid-C-P10D	45-C10(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	33	U	33	8.57	MG/KG
Grid-C-P1S	45-C1(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	32.2	U	32.2	8.36	MG/KG
Grid-C-P2D	45-C2(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	71.1	U	71.1	18.5	MG/KG
Grid-C-P3	45-C3(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	23.6	J	34.6	9	MG/KG
Grid-C-P3D	45-C3(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	34.7	U	34.7	9.02	MG/KG
Grid-C-P4D	45-C4(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	33.9	U	33.9	8.81	MG/KG
Grid-C-P5S	45-C5(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	9.98	J	34.4	8.95	MG/KG
Grid-C-P6	45-C6(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	17.1	J	34.7	9.02	MG/KG
Grid-C-P6S	45-C6(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	60.2	U	60.2	15.6	MG/KG
Grid-C-P7D	45-C7(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	31.4	U	31.4	8.17	MG/KG
Grid-C-P7S	45-C7(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	33.4	U	33.4	8.67	MG/KG
Grid-C-P8D	45-C8(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	56.2	=	33.8	8.79	MG/KG
Grid-C-P9	45-C9(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	244	=	31	8.05	MG/KG
Grid-C-P9D	45-C9(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	35.2	J	36.5	9.49	MG/KG
Grid-D-P10	45-D10(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	35.6	U	35.6	9.26	MG/KG
Grid-D-P10D	45-D10(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	75.2	U	75.2	19.6	MG/KG
Grid-D-P1D	45-D1(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	34.8	U	34.8	9.06	MG/KG
Grid-D-P2	45-D2(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	58.5	=	34	8.85	MG/KG
Grid-D-P2D	45-D2(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	30.2	U	30.2	7.85	MG/KG
Grid-D-P3D	45-D3(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	39.6	U	39.6	10.3	MG/KG
Grid-D-P4S	45-D4(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	32.4	J	38.9	10.1	MG/KG
Grid-D-P5D	45-D5(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	73.7	U	73.7	19.2	MG/KG
Grid-D-P6	45-D6(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	135	=	41	10.6	MG/KG
Grid-D-P6D	45-D6(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	79.5	U	79.5	20.7	MG/KG
Grid-D-P7	45-D7(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	35.7	U	35.7	9.29	MG/KG
Grid-D-P7S	45-D7(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	40.3	U	40.3	10.5	MG/KG
Grid-D-P8S	45-D8(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	55.6	=	34	8.85	MG/KG
Grid-D-P9D	45-D9(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	62.2	U	62.2	16.2	MG/KG

Grid-E-P10D	45-E10(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	69.5	U	69.5	18.1	MG/KG
Grid-E-P1S	45-E1(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	30.4	U	30.4	7.9	MG/KG
Grid-E-P2D	45-E2(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	32.5	U	32.5	8.46	MG/KG
Grid-E-P3	45-E3(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	147	=	33.8	8.78	MG/KG
Grid-E-P3D	45-E3(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	38.1	U	38.1	9.92	MG/KG
Grid-E-P4	45-E4(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	26	J	39.4	10.2	MG/KG
Grid-E-P4D	45-E4(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	78.2	U	78.2	20.3	MG/KG
Grid-E-P5D	45-E5(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	36.5	U	36.5	9.5	MG/KG
Grid-E-P6S	45-E6(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	30.8	U	30.8	8.01	MG/KG
Grid-E-P7D	45-E7(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	33.5	U	33.5	8.72	MG/KG
Grid-E-P8D	45-E8(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	33.6	U	33.6	8.74	MG/KG
Grid-E-P9	45-E9(0-0.5)-091406	9/14/2006	Soil	SW6010B	Lead	116	=	34.6	8.99	MG/KG
Grid-E-P9D	45-E9(0.5-2)-091406	9/14/2006	Soil	SW6010B	Lead	33.7	U	33.7	8.75	MG/KG
Grid-F-P10S	45-F10(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	34.4	=	31.4	22.9	MG/KG
Grid-F-P1S	45-F1(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	137	=	34.3	25.1	MG/KG
Grid-F-P2D	45-F2(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	80.5	=	33.9	24.7	MG/KG
Grid-F-P3S	45-F3(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	27.5	J	32.5	23.7	MG/KG
Grid-F-P4D	45-F4(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	89.9	=	32.5	23.8	MG/KG
Grid-F-P5S	45-F5(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	39.5	U	39.5	28.8	MG/KG
Grid-F-P6S	45-F6(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	277	=	36.7	26.8	MG/KG
Grid-F-P7D	45-F7(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	68.2	=	36	26.3	MG/KG
Grid-F-P8	45-F8(0-0.5)-060908	9/8/2006	Soil	SW6010B	Lead	227	=	33.7	8.77	MG/KG
Grid-F-P8D	45-F8(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	35.5	=	31.8	23.2	MG/KG
Grid-F-P9D	45-F9(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	30.2	U	30.2	22.1	MG/KG
Grid-G-P10	45-G10(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	132	B	36.2	9.41	MG/KG
Grid-G-P10D	45-G10(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	33.6	U	33.6	8.74	MG/KG
Grid-G-P1D	45-G1(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	267	=	30.2	7.86	MG/KG
Grid-G-P2	45-G2(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	231	JB	35.2	9.15	MG/KG
Grid-G-P2D	45-G2(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	118	=	28.2	7.33	MG/KG
Grid-G-P3D	45-G3(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	66.3	U	66.3	17.2	MG/KG
Grid-G-P4	45-G4(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	32.8	JB	36.1	9.39	MG/KG
Grid-G-P4D	45-G4(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	30.9	U	30.9	8.03	MG/KG
Grid-G-P5D	45-G5(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	299	=	36.1	9.39	MG/KG
Grid-G-P6	45-G6(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	75.2	B	38.5	10	MG/KG
Grid-G-P6D	45-G6(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	68.6	U	68.6	17.8	MG/KG
Grid-G-P7D	45-G7(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	36	U	36	9.36	MG/KG
Grid-G-P8S	45-G8(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	195	=	38.4	9.99	MG/KG

Grid-G-P9D	45-G9(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	20.8	J	31.2	8.11	MG/KG
Grid-H-P10	45-H10(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	32.4	U	32.4	8.41	MG/KG
Grid-H-P10D	45-H10(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	36.4	U	36.4	9.46	MG/KG
Grid-H-P1S	45-H1(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	36.5	U	36.5	9.49	MG/KG
Grid-H-P2D	45-H2(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	63.6	U	63.6	16.5	MG/KG
Grid-H-P3	45-H3(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	29.6	U	29.6	7.7	MG/KG
Grid-H-P3D	45-H3(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	38.2	U	38.2	9.94	MG/KG
Grid-H-P4	45-H4(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	13.5	JB	34.8	9.04	MG/KG
Grid-H-P4D	45-H4(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	74.2	U	74.2	19.3	MG/KG
Grid-H-P5D	45-H5(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	34.2	U	34.2	8.9	MG/KG
Grid-H-P6S	45-H6(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	38.7	U	38.7	10	MG/KG
Grid-H-P7D	45-H7(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	64.1	U	64.1	16.6	MG/KG
Grid-H-P8S	45-H8(0-0.5)-091506	9/15/2006	Soil	SW6010B	Lead	31	U	31	8.05	MG/KG
Grid-H-P9D	45-H9(0.5-2)-091506	9/15/2006	Soil	SW6010B	Lead	66.9	U	66.9	17.4	MG/KG
Grid-I-P10	45-I10(0-0.5)-060911	9/11/2006	Soil	SW6010B	Lead	11.2	J	31.9	8.28	MG/KG
Grid-I-P10D	45-I10(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	63.4	=	36.2	26.4	MG/KG
Grid-I-P11S	45-I11(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	30	J	35.1	25.6	MG/KG
Grid-I-P12D	45-I12(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	32.2	U	32.2	23.5	MG/KG
Grid-I-P13	45-I13(0-0.5)-060911	9/11/2006	Soil	SW6010B	Lead	35.3	J	39.6	10.3	MG/KG
Grid-I-P13D	45-I13(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	33.4	U	33.4	24.4	MG/KG
Grid-I-P1D	45-I1(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	31.4	U	31.4	22.9	MG/KG
Grid-I-P2S	45-I2(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	39	U	39	28.5	MG/KG
Grid-I-P3D	45-I3(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	33.7	U	33.7	24.6	MG/KG
Grid-I-P4S	45-I4(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	32.5	U	32.5	23.7	MG/KG
Grid-I-P5D	45-I5(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	27	J	36.9	26.9	MG/KG
Grid-I-P6	45-I6(0-0.5)-060911	9/11/2006	Soil	SW6010B	Lead	16.8	J	29.1	7.56	MG/KG
Grid-I-P6D	45-I6(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	31.1	U	31.1	22.7	MG/KG
Grid-I-P7	45-I7(0.5-2)-060911	9/11/2006	Soil	SW6010B	Lead	22.4	J	37.3	9.7	MG/KG
Grid-I-P7S	45-I7(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	28.7	U	28.7	21	MG/KG
Grid-I-P8S	45-I8(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	33.1	U	33.1	24.2	MG/KG
Grid-I-P9D	45-I9(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	33.5	U	33.5	24.5	MG/KG
Grid-K-P10D	45-K10-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	32.5	U	32.5	23.7	MG/KG
Grid-K-P1S	45-K1-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	191	=	33.2	24.2	MG/KG
Grid-K-P1S	45-K5-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	32	U	32	23.4	MG/KG
Grid-K-P2D	45-K2-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	32.8	U	32.8	24	MG/KG
Grid-K-P3S	45-K3-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	28.5	U	28.5	20.8	MG/KG
Grid-K-P4D	45-K4-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	1570	=	68.5	50	MG/KG

Grid-K-P6D	45-K6-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	31.6	U	31.6	23.1	MG/KG
Grid-K-P7S	45-K7-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	33	U	33	24.1	MG/KG
Grid-K-P8D	45-K8-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	33.2	U	33.2	24.2	MG/KG
Grid-K-P9S	45-K9-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	32.4	U	32.4	23.6	MG/KG
Grid-L-P10D	45-L10(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	49.5	=	32.9	24	MG/KG
Grid-L-P1S	45-L1-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	31.5	U	31.5	23	MG/KG
Grid-L-P2D	45-L2-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	33.8	U	33.8	24.7	MG/KG
Grid-L-P3S	45-L3-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	34.2	U	34.2	24.9	MG/KG
Grid-L-P4D	45-L4-(0.5-2)-090606	9/6/2006	Soil	SW7421	Lead	32.9	U	32.9	24	MG/KG
Grid-L-P5S	45-L5-(0-0.5)-090606	9/6/2006	Soil	SW7421	Lead	33.5	U	33.5	24.5	MG/KG
Grid-L-P6D	45-L6(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	32	U	32	23.4	MG/KG
Grid-L-P7S	45-L7(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	34.1	=	32	23.3	MG/KG
Grid-L-P8D	45-L8(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	60.5	=	32	23.3	MG/KG
Grid-L-P9S	45-L9(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	53.4	=	35.1	25.6	MG/KG
Grid-M-P10D	45-M10(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	31.3	U	31.3	22.8	MG/KG
Grid-M-P1S	45-M1(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	31.4	U	31.4	22.9	MG/KG
Grid-M-P2D	45-M2(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	30.3	U	30.3	22.1	MG/KG
Grid-M-P3S	45-M3(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	45.3	=	29.9	21.8	MG/KG
Grid-M-P4D	45-M4(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	28.1	J	31.2	22.8	MG/KG
Grid-M-P5S	45-M5(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	34	U	34	24.8	MG/KG
Grid-M-P6D	45-M6(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	40.6	=	32.2	23.5	MG/KG
Grid-M-P7S	45-M7(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	87.8	=	33.9	24.8	MG/KG
Grid-M-P8D	45-M8(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	32.5	U	32.5	23.7	MG/KG
Grid-M-P9S	45-M9(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	27.2	J	32.9	24	MG/KG
Grid-N-P10D	45-N10(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	32.8	U	32.8	23.9	MG/KG
Grid-N-P1S	45-N1(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	25.3	J	31.9	23.3	MG/KG
Grid-N-P2D	45-N2(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	34.1	U	34.1	24.9	MG/KG
Grid-N-P3S	45-N3(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	79.5	=	33.4	24.4	MG/KG
Grid-N-P4D	45-N4(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	31.1	U	31.1	22.7	MG/KG
Grid-N-P5S	45-N5(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	43.2	=	33	24.1	MG/KG
Grid-N-P6D	45-N6(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	26.1	J	32.3	23.6	MG/KG
Grid-N-P7S	45-N7(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	170	=	33.2	24.2	MG/KG
Grid-N-P8D	45-N8(0.5-2)-090706	9/7/2006	Soil	SW7421	Lead	32.6	U	32.6	23.8	MG/KG
Grid-N-P9S	45-N9(0-0.5)-090706	9/7/2006	Soil	SW7421	Lead	167	=	30.2	22.1	MG/KG
Grid-O-P10D	45-O10(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	67	=	36.2	26.4	MG/KG
Grid-O-P1S	45-O1(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	164	=	33.7	24.6	MG/KG
Grid-O-P2D	45-O2(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	40.3	=	29.7	21.7	MG/KG

Grid-O-P3S	45-O3(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	134	=	38.7	28.2	MG/KG
Grid-O-P4D	45-O4(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	29.1	U	29.1	21.2	MG/KG
Grid-O-P5	45-O5(0-0.5)-060908	9/8/2006	Soil	SW6010B	Lead	462	=	36.9	9.59	MG/KG
Grid-O-P5D	45-O5(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	42	=	31	22.6	MG/KG
Grid-O-P6D	45-O6(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	46.6	=	27.9	20.3	MG/KG
Grid-O-P7S	45-O7(0-0.5)-060908	9/8/2006	Soil	SW7421	Lead	99.9	=	38.3	28	MG/KG
Grid-O-P8D	45-O8(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	30.7	J	31.3	22.8	MG/KG
Grid-O-P9	45-O9(0-0.5)-060908	9/8/2006	Soil	SW6010B	Lead	11.1	J	38.2	9.92	MG/KG
Grid-O-P9D	45-O9(0.5-2)-060908	9/8/2006	Soil	SW7421	Lead	31.1	U	31.1	22.7	MG/KG
Grid-P-P10	45-P10(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	562	=	39.2	10.2	MG/KG
Grid-P-P10D	45-P10(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	37.7	U	37.7	9.81	MG/KG
Grid-P-P1D	45-P1(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	65	U	65	16.9	MG/KG
Grid-P-P2	45-P2(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	221	=	29.4	7.65	MG/KG
Grid-P-P2D	45-P2(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	73.8	U	73.8	19.2	MG/KG
Grid-P-P3D	45-P3(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	38.2	U	38.2	9.92	MG/KG
Grid-P-P4D	45-P4(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	71.2	U	71.2	18.5	MG/KG
Grid-P-P5	45-P5(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	819	=	34.9	9.09	MG/KG
Grid-P-P5D	45-P5(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	72.2	U	72.2	18.8	MG/KG
Grid-P-P6D	45-P6(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	73	U	73	19	MG/KG
Grid-P-P7	45-P7(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	54.8	=	38.4	9.98	MG/KG
Grid-P-P7D	45-P7(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	36.3	U	36.3	9.44	MG/KG
Grid-P-P8S	45-P8(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	34.1	U	34.1	8.87	MG/KG
Grid-P-P9D	45-P9(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	40.7	U	40.7	10.6	MG/KG
Grid-Q-P10	45-Q10(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	10.9	J	28.3	7.35	MG/KG
Grid-Q-P10D	45-Q10(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	58	U	58	15.1	MG/KG
Grid-Q-P1S	45-Q1(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	38.2	U	38.2	9.93	MG/KG
Grid-Q-P2D	45-Q2(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	38.1	U	38.1	9.9	MG/KG
Grid-Q-P3	45-Q3(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	8.46	J	30.8	8	MG/KG
Grid-Q-P3D	45-Q3(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	36.2	U	36.2	9.41	MG/KG
Grid-Q-P4	45-Q4(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	21.7	J	40.5	10.5	MG/KG
Grid-Q-P4D	45-Q4(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	73.7	U	73.7	19.2	MG/KG
Grid-Q-P5D	45-Q5(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	58.9	=	36.8	9.58	MG/KG
Grid-Q-P6S	45-Q6(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	62.4	U	62.4	16.2	MG/KG
Grid-Q-P7D	45-Q7(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	207	=	36.6	9.53	MG/KG
Grid-Q-P8S	45-Q8(0-0.5)-091806	9/18/2006	Soil	SW6010B	Lead	41.7	=	31.6	8.21	MG/KG
Grid-Q-P9D	45-Q9(0.5-2)-091806	9/18/2006	Soil	SW6010B	Lead	59	U	59	15.3	MG/KG
Grid-R-P1	45-R1(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	9.63	J	29.4	7.64	MG/KG

Grid-R-P10	45-R10(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	36.2	U	36.2	9.41	MG/KG
Grid-R-P10D	45-R10(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	39.8	U	39.8	10.3	MG/KG
Grid-R-P11D	45-R11(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	38	U	38	9.88	MG/KG
Grid-R-P12S	45-R12(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	18.1	J	62.7	16.3	MG/KG
Grid-R-P1D	45-R1(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	38.8	U	38.8	10.1	MG/KG
Grid-R-P2D	45-R2(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	79.5	U	79.5	20.7	MG/KG
Grid-R-P3	45-R3(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	37.4	U	37.4	9.73	MG/KG
Grid-R-P3D	45-R3(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	29.8	U	29.8	7.74	MG/KG
Grid-R-P4	45-R4(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	10	J	35.1	9.14	MG/KG
Grid-R-P4D	45-R4(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	64	U	64	16.6	MG/KG
Grid-R-P5D	45-R5(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	34.8	U	34.8	9.04	MG/KG
Grid-R-P6	45-R6(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	37.5	U	37.5	9.75	MG/KG
Grid-R-P6D	45-R6(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	36.6	U	36.6	9.52	MG/KG
Grid-R-P7D	45-R7(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	36.5	U	36.5	9.49	MG/KG
Grid-R-P8S	45-R8(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	8.98	J	33.6	8.72	MG/KG
Grid-R-P9D	45-R9(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	33	U	33	8.59	MG/KG
Grid-S-P1S	45-S1(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	64.3	=	34.6	8.98	MG/KG
Grid-S-P2D	45-S2(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	61.2	U	61.2	15.9	MG/KG
Grid-S-P3	45-S3(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	37.3	U	37.3	9.7	MG/KG
Grid-S-P3D	45-S3(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	14.1	J	33.5	8.72	MG/KG
Grid-S-P4	45-S4(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	131	=	35.2	9.16	MG/KG
Grid-S-P4D	45-S4(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	568	=	38.6	10	MG/KG
Grid-S-P5	45-S5(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	53	=	32.8	8.52	MG/KG
Grid-S-P5D	45-S5(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	38.8	U	38.8	10.1	MG/KG
Grid-S-P6D	45-S6(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	38	U	38	9.87	MG/KG
Grid-S-P7	45-S7(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	59	=	31	8.05	MG/KG
Grid-S-P7D	45-S7(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	22.3	J	68.1	17.7	MG/KG
Grid-S-P8	45-S8(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	30.6	U	30.6	7.96	MG/KG
Grid-S-P8S	45-S8(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	37.8	U	37.8	9.82	MG/KG
Grid-S-P9D	45-S9(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	69.8	U	69.8	18.2	MG/KG
Grid-T-P1S	45-T1(0-0.5)-060912	9/12/2006	Soil	SW6010B	Lead	34.3	U	34.3	8.92	MG/KG
Grid-T-P2D	45-T2(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	59.8	U	59.8	15.5	MG/KG
Grid-T-P2D	45-T7(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	68.6	U	68.6	17.8	MG/KG
Grid-T-P3D	45-T3(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	74.3	U	74.3	19.3	MG/KG
Grid-T-P4D	45-T4(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	36.8	U	36.8	9.58	MG/KG
Grid-T-P5S	45-T5(0-0.5)-060912	9/12/2006	Soil	SW6010B	Lead	32.5	U	32.5	8.44	MG/KG
Grid-T-P6S	45-T6(0-0.5)-060912	9/12/2006	Soil	SW6010B	Lead	36	U	36	9.37	MG/KG

Grid-U-P1	45-U1(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	17.5	J	38.8	10.1	MG/KG
Grid-U-P10D	45-U10(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	61	U	61	15.8	MG/KG
Grid-U-P1D	45-U1(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	29.4	U	29.4	7.64	MG/KG
Grid-U-P2D	45-U2(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	62.1	U	62.1	16.1	MG/KG
Grid-U-P3	45-U3(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	23.1	J	32.2	8.36	MG/KG
Grid-U-P3D	45-U3(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	62.4	U	62.4	16.2	MG/KG
Grid-U-P4S	45-U4(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	33.8	U	33.8	8.8	MG/KG
Grid-U-P5D	45-U5(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	61.6	U	61.6	16	MG/KG
Grid-U-P6	45-U6(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	30.4	J	32.3	8.4	MG/KG
Grid-U-P6D	45-U6(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	74.2	U	74.2	19.3	MG/KG
Grid-U-P7	45-U7(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	25.2	J	31.7	8.25	MG/KG
Grid-U-P7S	45-U7(0-0.5)-060913	9/13/2006	Soil	SW6010B	Lead	64	U	64	16.6	MG/KG
Grid-U-P9D	45-U9(0.5-2)-060913	9/13/2006	Soil	SW6010B	Lead	68.1	U	68.1	17.7	MG/KG
Grid-V-P10S	45-V10(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	34.9	U	34.9	25.5	MG/KG
Grid-V-P1S	45-V1(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	70	=	35.1	25.6	MG/KG
Grid-V-P2	45-V2(0-0.5)-060911	9/11/2006	Soil	SW6010B	Lead	31.9	U	31.9	8.3	MG/KG
Grid-V-P2D	45-V2(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	33.9	U	33.9	24.7	MG/KG
Grid-V-P3D	45-V3(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	29.8	U	29.8	21.8	MG/KG
Grid-V-P4S	45-V4(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	35.2	U	35.2	25.7	MG/KG
Grid-V-P5D	45-V5(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	31.3	U	31.3	22.8	MG/KG
Grid-V-P6S	45-V6(0-0.5)-060911	9/11/2006	Soil	SW7421	Lead	29.5	U	29.5	21.6	MG/KG
Grid-V-P7D	45-V7(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	31.6	U	31.6	23.1	MG/KG
Grid-V-P8	45-V8(0-0.5)-060911	9/11/2006	Soil	SW6010B	Lead	22.8	J	37.9	9.85	MG/KG
Grid-V-P8D	45-V8(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	39.1	U	39.1	28.6	MG/KG
Grid-V-P9D	45-V9(0.5-2)-060911	9/11/2006	Soil	SW7421	Lead	36.5	U	36.5	26.7	MG/KG
Grid-W-P10D	45-W10(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	66.8	U	66.8	17.4	MG/KG
Grid-W-P1D	45-W1(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	33.3	U	33.3	8.66	MG/KG
Grid-W-P2D	45-W2(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	32.6	U	32.6	8.49	MG/KG
Grid-W-P3S	45-W3(0-0.5)-060912	9/12/2006	Soil	SW6010B	Lead	33.6	U	33.6	8.75	MG/KG
Grid-W-P4D	45-W4(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	32.5	U	32.5	8.44	MG/KG
Grid-W-P5D	45-W5(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	32	U	32	8.31	MG/KG
Grid-W-P6D	45-W6(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	37	U	37	9.61	MG/KG
Grid-W-P7S	45-W7(0-0.5)-060912	9/12/2006	Soil	SW6010B	Lead	30	U	30	7.81	MG/KG
Grid-W-P8D	45-W8(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	69.8	U	69.8	18.2	MG/KG
Grid-W-P9D	45-W9(0.5-2)-060912	9/12/2006	Soil	SW6010B	Lead	31.7	U	31.7	8.24	MG/KG
Grid-X-P1	45-X1(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	411	=	31.4	8.15	MG/KG
Grid-X-P10	45-X10(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	1700	=	38.9	10.1	MG/KG

Grid-X-P10D	45-X10(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	54.5	J	34.9	9.08	MG/KG
Grid-X-P1S	45-X1(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	30300	=	36.7	9.55	MG/KG
Grid-X-P2D	45-X2(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	40.6	U	40.6	10.6	MG/KG
Grid-X-P3S	45-X3(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	797	J	35.4	9.21	MG/KG
Grid-X-P4	45-X4(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	38.4	U	38.4	9.98	MG/KG
Grid-X-P4D	45-X4(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	60.1	U	60.1	15.6	MG/KG
Grid-X-P5D	45-X5(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	62	U	62	16.1	MG/KG
Grid-X-P6S	45-X6(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	29.4	U	29.4	7.64	MG/KG
Grid-X-P7D	45-X7(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	33.1	U	33.1	8.62	MG/KG
Grid-X-P8S	45-X8(0-0.5)-091906	9/19/2006	Soil	SW6010B	Lead	63.1	U	63.1	16.4	MG/KG
Grid-X-P9D	45-X9(0.5-2)-091906	9/19/2006	Soil	SW6010B	Lead	1720	=	36.8	9.57	MG/KG
Grid-Y-P10	45-Y10(0-0.5)-092006	9/20/2006	Soil	SW6010B	Lead	34.4	U	34.4	8.94	MG/KG
Grid-Y-P10D	45-Y10(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	32	U	32	8.33	MG/KG
Grid-Y-P11	45-Y11(0-0.5)-092006	9/20/2006	Soil	SW6010B	Lead	10.1	J	30.2	7.84	MG/KG
Grid-Y-P11D	45-Y11(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	58.5	=	34.5	8.97	MG/KG
Grid-Y-P12D	45-Y12(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	56.5	U	56.5	14.7	MG/KG
Grid-Y-P1D	45-Y1(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	55.6	U	55.6	14.4	MG/KG
Grid-Y-P2	45-Y2(0-0.5)-092006	9/20/2006	Soil	SW6010B	Lead	27.1	U	27.1	7.05	MG/KG
Grid-Y-P2D	45-Y2(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	61.7	U	61.7	16	MG/KG
Grid-Y-P3D	45-Y3(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	195	=	32.9	8.56	MG/KG
Grid-Y-P4D	45-Y4(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	29.6	J	72	18.7	MG/KG
Grid-Y-P5	45-Y5(0-0.5)-092006	9/20/2006	Soil	SW6010B	Lead	10.2	J	28.8	7.5	MG/KG
Grid-Y-P5D	45-Y5(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	55.3	U	55.3	14.4	MG/KG
Grid-Y-P6D	45-Y6(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	70.5	U	70.5	18.3	MG/KG
Grid-Y-P7	45-Y7(0-0.5)-092006	9/20/2006	Soil	SW6010B	Lead	32.8	U	32.8	8.52	MG/KG
Grid-Y-P7D	45-Y7(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	66.1	U	66.1	17.2	MG/KG
Grid-Y-P8	45-Y8(0-0.5)-092006	9/20/2006	Soil	SW6010B	Lead	126	=	34.9	9.06	MG/KG
Grid-Y-P8D	45-Y8(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	520	=	31.3	8.13	MG/KG
Grid-Y-P9D	45-Y9(0.5-2)-092006	9/20/2006	Soil	SW6010B	Lead	57.4	U	57.4	14.9	MG/KG
Grid-Z-P1	45-Z1(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	480	=	32.2	8.37	MG/KG
Grid-Z-P10	45-Z10(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	53.7	=	26.6	6.9	MG/KG
Grid-Z-P10D	45-Z10(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	24.5	J	41.6	10.8	MG/KG
Grid-Z-P11	45-Z11(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	40.3	U	40.3	10.5	MG/KG
Grid-Z-P11D	45-Z11(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	2270	=	40	10.4	MG/KG
Grid-Z-P1D	45-Z1(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	80.6	U	80.6	21	MG/KG
Grid-Z-P2D	45-Z2(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	79.6	U	79.6	20.7	MG/KG
Grid-Z-P3	45-Z3(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	354	=	41.4	10.8	MG/KG

Grid-Z-P3D	45-Z3(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	39.4	U	39.4	10.2	MG/KG
Grid-Z-P4D	45-Z4(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	66.5	U	66.5	17.3	MG/KG
Grid-Z-P5	45-Z5(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	3490	=	31.6	8.22	MG/KG
Grid-Z-P5D	45-Z5(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	311	=	33.4	8.7	MG/KG
Grid-Z-P6D	45-Z6(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	80.8	U	80.8	21	MG/KG
Grid-Z-P7D	45-Z7(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	42.6	=	35.7	9.27	MG/KG
Grid-Z-P8S	45-Z8(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	270	=	38.2	9.92	MG/KG
Grid-Z-P9	45-Z9(0-0.5)-092106	9/21/2006	Soil	SW6010B	Lead	44	=	35.7	9.29	MG/KG
Grid-Z-P9D	45-Z9(0.5-2)-092106	9/21/2006	Soil	SW6010B	Lead	51.2	=	35.8	9.3	MG/KG

Preliminary Results

Project: CTO 45 ***Sampling Event:***

SDG: 2504848, 2504990 & 2505199

SampleID	Method	Analyte	Conc.	Qual	MDL	RL	Units
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1016	0.51	U	0.37	0.51	UG/L
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1221	0.51	U	0.44	0.51	UG/L
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1232	0.51	U	0.2	0.51	UG/L
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1242	0.51	U	0.32	0.51	UG/L
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1248	0.51	U	0.13	0.51	UG/L
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1254	0.51	U	0.12	0.51	UG/L
45-E1(0-0.5)-091406	8082_SPLP	Aroclor-1260	0.51	U	0.26	0.51	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1016	0.52	U	0.38	0.52	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1221	0.52	U	0.45	0.52	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1232	0.52	U	0.21	0.52	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1242	0.52	U	0.32	0.52	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1248	0.52	U	0.14	0.52	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1254	0.52	U	0.12	0.52	UG/L
45-E2(0.5-2)-091406	8082_SPLP	Aroclor-1260	0.52	U	0.26	0.52	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1016	0.51	U	0.37	0.51	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1221	0.51	U	0.44	0.51	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1232	0.51	U	0.2	0.51	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1242	0.51	U	0.32	0.51	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1248	0.51	U	0.13	0.51	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1254	0.51	U	0.12	0.51	UG/L
45-E3(0.5-2)-091406	8082_SPLP	Aroclor-1260	0.51	U	0.26	0.51	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1016	1.1	U	0.76	1.1	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1221	1.1	U	0.91	1.1	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1232	1.1	U	0.42	1.1	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1242	1.1	U	0.66	1.1	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1248	1.1	U	0.28	1.1	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1254	1.1	U	0.26	1.1	UG/L
45-X9(0.5-2)-091906	8082_SPLP	Aroclor-1260	1.1	U	0.53	1.1	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1016	0.52	U	0.38	0.52	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1221	0.52	U	0.45	0.52	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1232	0.52	U	0.21	0.52	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1242	0.52	U	0.32	0.52	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1248	0.52	U	0.14	0.52	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1254	0.52	U	0.12	0.52	UG/L
45-Y3(0.5-2)-092006	8082_SPLP	Aroclor-1260	0.52	U	0.26	0.52	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1016	0.55	U	0.4	0.55	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1221	0.55	U	0.48	0.55	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1232	0.55	U	0.22	0.55	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1242	0.55	U	0.34	0.55	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1248	0.55	U	0.14	0.55	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1254	0.55	U	0.13	0.55	UG/L
45-E2A(0-0.5)-110706	8082_SPLP	Aroclor-1260	2	=	0.28	0.55	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1016	0.56	U	0.4	0.56	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1221	0.56	U	0.48	0.56	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1232	0.56	U	0.22	0.56	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1242	0.56	U	0.34	0.56	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1248	0.56	U	0.14	0.56	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1254	0.56	U	0.13	0.56	UG/L
45-E3A(0-0.5)-110806	8082_SPLP	Aroclor-1260	2.2	=	0.28	0.56	UG/L
45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1016	0.53	U	0.38	0.53	UG/L
45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1221	0.53	U	0.46	0.53	UG/L
45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1232	0.53	U	0.21	0.53	UG/L
45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1242	0.53	U	0.33	0.53	UG/L

45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1248	0.53	U	0.14	0.53	UG/L
45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1254	0.53	U	0.13	0.53	UG/L
45-X10A(0-0.5)-110806	8082_SPLP	Aroclor-1260	0.53	U	0.26	0.53	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1016	0.5	U	0.36	0.5	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1221	0.5	U	0.43	0.5	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1232	0.5	U	0.2	0.5	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1242	0.5	U	0.31	0.5	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1248	0.5	U	0.13	0.5	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1254	0.5	U	0.12	0.5	UG/L
45-X9A(0-0.5)-110706	8082_SPLP	Aroclor-1260	0.5	U	0.25	0.5	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1016	0.53	U	0.38	0.53	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1221	0.53	U	0.46	0.53	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1232	0.53	U	0.21	0.53	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1242	0.53	U	0.33	0.53	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1248	0.53	U	0.14	0.53	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1254	0.53	U	0.13	0.53	UG/L
45-Z5A(0-0.5)-110906	8082_SPLP	Aroclor-1260	1.3	=	0.27	0.53	UG/L

Preliminary Results

Project: CTO 45 ***Sampling Event:***

SDG: 2504848, 2504990 & 2505006

SampleID	Method	Analyte	Conc.	Qual	MDL	RL	Units
45-K4(0.5-2)-090606	6010_SLP	Lead	0.0344		0.0022	0.005	MG/L
45-X1(0-0.5)-091906	6010_SLP	Lead	19.6		0.022	0.05	MG/L
45-X1(0.5-2)-091906	6010_SLP	Lead	0.0141		0.0022	0.005	MG/L
45-X3(0-0.5)-091906	6010_SLP	Lead	0.271		0.0022	0.005	MG/L
45-X9(0.5-2)-091906	6010_SLP	Lead	0.117		0.0022	0.005	MG/L
45-Z11(0.5-2)-092106	6010_SLP	Lead	0.673		0.0022	0.005	MG/L
45-X10(0-0.5)-091906	6010_SLP	Lead	0.081		0.0022	0.005	MG/L
45-Z5(0-0.5)-092106	6010_SLP	Lead	0.647		0.0022	0.005	MG/L

Attachment B
Data Validation Reports

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-B-P4S*z	Grid-B-P5D*z	Grid-B-P6S*z	Grid-B-P7S	Grid-B-P7	Grid-B-P8D*z	Grid-B-P9S*z	Grid-B-P10D*z
		Sample ID	45-B4-(0-0_5)-090606	45-B5-(0_5-2)-090606	45-B6-(0-0_5)-090606	45-B7(0-0_5)-090706	45-B7(0_5-2)-090706	45-B8-(0_5-2)-090606	45-B9-(0-0_5)-090606	45-B10-(0_5-2)-090606
		Sample Date	9/6/2006	9/6/2006	9/6/2006	9/7/2006	9/7/2006	9/6/2006	9/6/2006	9/6/2006
		Units in mg/kg								
Parameter	**SCTL[1RES]**	**LGW**								
SW6010B										
Lead	400	***					47.8 U			
SW7421										
Lead	400	***	66.4	32.4 U	32.7 U	36.9		31.8 U	34 U	33.2 U
SW8082										
Aroclor-1260	0.5	17	0.36 U	0.33 U	0.34 U	0.32 U	0.4 U	0.33 U	0.34 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-B-P4S*z	Grid-B-P5D*z	Grid-B-P6S*z	Grid-B-P7S	Grid-B-P7	Grid-B-P8D*z	Grid-B-P9S*z	Grid-B-P10D*z
		Sample ID	45-B4-(0-0_5)-090606	45-B5-(0_5-2)-090606	45-B6-(0-0_5)-090606	45-B7(0-0_5)-090706	45-B7(0_5-2)-090706	45-B8-(0_5-2)-090606	45-B9-(0-0_5)-090606	45-B10-(0_5-2)-090606
		Sample Date	9/6/2006	9/6/2006	9/6/2006	9/7/2006	9/7/2006	9/6/2006	9/6/2006	9/6/2006
		Units in mg/kg								
Parameter	**SCTL[1IND]**	**LGW**								
SW6010B										
Lead	1400	***					47.8 U			
SW7421										
Lead	1400	***	66.4	32.4 U	32.7 U	36.9		31.8 U	34 U	33.2 U
SW8082										
Aroclor-1260	2.6	17	0.36 U	0.33 U	0.34 U	0.32 U	0.4 U	0.33 U	0.34 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
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B- The analyte was detected in the associated method and/or calibration blank.
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JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-C-P1S	Grid-C-P2D	Grid-C-P3	Grid-C-P3D	Grid-C-P4D	Grid-C-P5S	Grid-C-P6S	Grid-C-P6	Grid-C-P7S	Grid-C-P7D	Grid-C-P8D	Grid-C-P9	Grid-C-P9D	Grid-C-P10D
		Sample ID	**45-C1(0-0.5)-060913**	**45-C2(0.5-2)-060913**	**45-C3(0-0_5)-060913**	**45-C3(0.5-2)-060913**	**45-C4(0.5-2)-060913**	**45-C5(0-0.5)-060913**	**45-C6(0-0.5)-060913**	**45-C6(0_5-2)-060913**	**45-C7(0-0.5)-060913**	**45-C7(0.5-2)-060913**	**45-C8(0.5-2)-060913**	**45-C9(0-0_5)-060913**	**45-C9(0.5-2)-060913**	**45-C10(0.5-2)-060913**
		Sample Date	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**
		Units in mg/kg														
Parameter	**SCTL[1RES]**	**LGW**														
SW6010B																
Lead	400	***	32.2 U	71.1 U	23.6 J	34.7 U	33.9 U	9.98 J	60.2 U	17.1 J	33.4 U	31.4 U	56.2	244	35.2 J	33 U
SW8082																
Aroclor-1260	0.5	17	0.32 U	0.35 U	0.33 U	0.34 U	0.32 U	0.25 J	0.16 J	0.33 U	0.35	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-C-P1S	Grid-C-P2D	Grid-C-P3	Grid-C-P3D	Grid-C-P4D	Grid-C-P5S	Grid-C-P6S	Grid-C-P6	Grid-C-P7S	Grid-C-P7D	Grid-C-P8D	Grid-C-P9	Grid-C-P9D	Grid-C-P10D
		Sample ID	**45-C1(0-0.5)-060913**	**45-C2(0.5-2)-060913**	**45-C3(0-0_5)-060913**	**45-C3(0.5-2)-060913**	**45-C4(0.5-2)-060913**	**45-C5(0-0.5)-060913**	**45-C6(0-0.5)-060913**	**45-C6(0_5-2)-060913**	**45-C7(0-0.5)-060913**	**45-C7(0.5-2)-060913**	**45-C8(0.5-2)-060913**	**45-C9(0-0_5)-060913**	**45-C9(0.5-2)-060913**	**45-C10(0.5-2)-060913**
		Sample Date	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**	**9/13/2006**
		Units in mg/kg														
Parameter	**SCTL[1IND]**	**LGW**														
SW6010B																
Lead	1400	***	32.2 U	71.1 U	23.6 J	34.7 U	33.9 U	9.98 J	60.2 U	17.1 J	33.4 U	31.4 U	56.2	244	35.2 J	33 U
SW8082																
Aroclor-1260	2.6	17	0.32 U	0.35 U	0.33 U	0.34 U	0.32 U	0.25 J	0.16 J	0.33 U	0.35	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-D-P1D	Grid-D-P2D	Grid-D-P2D	Grid-D-P3D	Grid-D-P3D	Grid-D-P4S	Grid-D-P5D	Grid-D-P6D	Grid-D-P6D	Grid-D-P7S	Grid-D-P7D	Grid-D-P8S	Grid-D-P9D	Grid-D-P10D	Grid-D-P10D
		Sample ID	45-D1(0_5-2)-091406	45-D2(0-0_5)-091406	45-D2(0_5-2)-091406	45-D3(0-0_5)-091406	45-D3(0_5-2)-091406	45-D4(0-0_5)-091406	45-D5(0_5-2)-091406	45-D6(0-0_5)-091406	45-D6(0_5-2)-091406	45-D7(0-0_5)-091406	45-D7(0_5-2)-091406	45-D8(0-0_5)-091406	45-D9(0_5-2)-091406	45-D10(0-0_5)-091406	45-D10(0_5-2)-091406
		Sample Date	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006
		Units in mg/kg															
Parameter	**SCTL[1RES]**	**LGW**															
SW6010B																	
Lead	400	***	34.8 U	58.5	30.2 U		39.6 U	32.4 J	73.7 U	135	79.5 U	40.3 U	35.7 U	55.6	62.2 U	35.6 U	75.2 U
SW8082																	
Aroclor-1260	0.5	17	0.15 J	**2.4**	0.17 J	**5.2**	**0.55**	0.22 J	0.35 U	0.34	0.19 J	0.36 U	0.33 U	0.069 J	0.34 U	0.34 U	0.084 J

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

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Data Summary Table
DRMO

DRMO		Station ID	Grid-D-P1D	Grid-D-P2	Grid-D-P2D	Grid-D-P3	Grid-D-P3D	Grid-D-P4S	Grid-D-P5D	Grid-D-P6	Grid-D-P6D	Grid-D-P7S	Grid-D-P7	Grid-D-P8S	Grid-D-P9D	Grid-D-P10	Grid-D-P10
		Sample ID	45-D1(0_5-2)-091406	45-D2(0-0_5)-091406	45-D2(0_5-2)-091406	45-D3(0-0_5)-091406	45-D3(0_5-2)-091406	45-D4(0-0_5)-091406	45-D5(0_5-2)-091406	45-D6(0-0_5)-091406	45-D6(0_5-2)-091406	45-D7(0-0_5)-091406	45-D7(0_5-2)-091406	45-D8(0-0_5)-091406	45-D9(0_5-2)-091406	45-D10(0-0_5)-091406	45-D10(0_5-2)-091406
		Sample Date	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006
		Units in mg/kg															
Parameter	**SCTL[1IND]**	**LGW**															
SW6010B																	
Lead	1400	***	34.8 U	58.5	30.2 U		39.6 U	32.4 J	73.7 U	135	79.5 U	40.3 U	35.7 U	55.6	62.2 U	35.6 U	75.2 U
SW8082																	
Aroclor-1260	2.6	17	0.15 J	2.4	0.17 J	**5.2**	0.55	0.22 J	0.35 U	0.34	0.19 J	0.36 U	0.33 U	0.069 J	0.34 U	0.34 U	0.084 J

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U - The analyte was analyzed for , but not detected.
J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

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Data Summary Table
DRMO

DRMO		Station ID	Grid-E-P1S	Grid-E-P2	Grid-E-P2	Grid-E-P2D	Grid-E-P3	Grid-E-P3D	Grid-E-P4	Grid-E-P4D	Grid-E-P5D	Grid-E-P6S	Grid-E-P7	Grid-E-P7D	Grid-E-P8D	Grid-E-P9	Grid-E-P9D	Grid-E-P10D
		Sample ID	45-E1(0-0_5)-091406	45-E2(0-0_5)-091406	45-E2(0-0_5)-091406DL1	45-E2(0_5-2)-091406	45-E3(0-0_5)-091406	45-E3(0_5-2)-091406	45-E4(0-0_5)-091406	45-E4(0_5-2)-091406	45-E5(0_5-2)-091406	45-E6(0-0_5)-091406	45-E7(0-0_5)-091406	45-E7(0_5-2)-091406	45-E8(0_5-2)-091406	45-E9(0-0_5)-091406	45-E9(0_5-2)-091406	45-E10(0_5-2)-091406
		Sample Date	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006
		Units in mg/kg																
Parameter	**SCTL[1RES]**	**LGW**																
SW6010B																		
Lead	400	***	30.4 U			32.5 U	147	38.1 U	26 J	78.2 U	36.5 U	30.8 U		33.5 U	33.6 U	116	33.7 U	69.5 U
SW8082																		
Aroclor-1260	0.5	17	**2.1**	**29 E**	**30**	**4.6**	**13**	**2.4**	0.34 U	0.33 U	0.33 U	0.39	**1.1**	0.34	0.34 U	0.34 U	0.34 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
E-Value was over Calibration
Values Bolded are analytes not detected by the Lab but are above the **SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

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Data Summary Table
DRMO

DRMO		Station ID	Grid-E-P1S	Grid-E-P2	Grid-E-P2	Grid-E-P2D	Grid-E-P3	Grid-E-P3D	Grid-E-P4	Grid-E-P4D	Grid-E-P5D	Grid-E-P6S	Grid-E-P7	Grid-E-P7D	Grid-E-P8D	Grid-E-P9	Grid-E-P9D	Grid-E-P10D
		Sample ID	45-E1(0-0_5)-091406	45-E2(0-0_5)-091406	45-E2(0-0_5)-091406DL1	45-E2(0_5-2)-091406	45-E3(0-0_5)-091406	45-E3(0_5-2)-091406	45-E4(0-0_5)-091406	45-E4(0_5-2)-091406	45-E5(0_5-2)-091406	45-E6(0-0_5)-091406	45-E7(0-0_5)-091406	45-E7(0_5-2)-091406	45-E8(0_5-2)-091406	45-E9(0-0_5)-091406	45-E9(0_5-2)-091406	45-E10(0_5-2)-091406
		Sample Date	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006	9/14/2006
		Units in mg/kg																
Parameter	**SCTL[1IND]**	**LGW**																
SW6010B																		
Lead	1400	***	30.4 U			32.5 U	147	38.1 U	26 J	78.2 U	36.5 U	30.8 U		33.5 U	33.6 U	116	33.7 U	69.5 U
SW8082																		
Aroclor-1260	2.6	17	2.1	**29 E**	**30**	**4.6**	**13**	2.4	0.34 U	0.33 U	0.33 U	0.39	1.1	0.34	0.34 U	0.34 U	0.34 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
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E-Value was over Calibration
Values Bolded are analytes not detected by the Lab but are above the **SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-F-P1S	Grid-F-P2D	Grid-F-P3S	Grid-F-P4D	Grid-F-P5S	Grid-F-P5	Grid-F-P6S	Grid-F-P7D	Grid-F-P8	Grid-F-P8D	Grid-F-P9D	Grid-F-P10
		Sample ID	45-F1(0-0_5)-060908	45-F2(0_5-2)-060908	45-F3(0-0_5)-060908	45-F4(0_5-2)-060908	45-F5(0-0_5)-060908	45-F5(0_5-2)-060908	45-F6(0-0_5)-060908	45-F7(0_5-2)-060908	45-F8(0-0_5)-060908	45-F8(0_5-2)-060908	45-F9(0_5-2)-060908	45-F10(0-0_5)-060908
		Sample Date	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006
		Units in mg/kg												
Parameter	**SCTL[1RES]**	**LGW**												
SW6010B														
Lead	400	***									227			
SW7421														
Lead	400	***	137	80.5	27.5 J	89.9	39.5 U		277	68.2		35.5	30.2 U	34.4
SW8082														
Aroclor-1260	0.5	17	**0.71**	0.23 J	**1.2**	0.27 J	0.092 J	**0.51**	**0.78**	0.076 J	**0.75**	0.37 U	0.34 U	**0.82**

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-F-P1S	Grid-F-P2D	Grid-F-P3S	Grid-F-P4D	Grid-F-P5S	Grid-F-P5	Grid-F-P6S	Grid-F-P7D	Grid-F-P8	Grid-F-P8D	Grid-F-P9D	Grid-F-P10
		Sample ID	45-F1(0-0_5)-060908	45-F2(0_5-2)-060908	45-F3(0-0_5)-060908	45-F4(0_5-2)-060908	45-F5(0-0_5)-060908	45-F5(0_5-2)-060908	45-F6(0-0_5)-060908	45-F7(0_5-2)-060908	45-F8(0-0_5)-060908	45-F8(0_5-2)-060908	45-F9(0_5-2)-060908	45-F10(0-0_5)-060908
		Sample Date	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006
		Units in mg/kg												
Parameter	**SCTL[1IND]**	**LGW**												
SW6010B														
Lead	1400	***									227			
SW7421														
Lead	1400	***	137	80.5	27.5 J	89.9	39.5 U		277	68.2		35.5	30.2 U	34.4
SW8082														
Aroclor-1260	2.6	17	0.71	0.23 J	1.2	0.27 J	0.092 J	0.51	0.78	0.076 J	0.75	0.37 U	0.34 U	0.82

Notes:
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-G-P1*Z	Grid-G-P1D	Grid-G-P2 ^	Grid-G-P2D	Grid-G-P3D	Grid-G-P4*Z	Grid-G-P4D	Grid-G-P5D	Grid-G-P6*Z	Grid-G-P6D	Grid-G-P7D	Grid-G-P8S	Grid-G-P9D	Grid-G-P10*Z	Grid-G-P10
		Sample ID	**45-G1(0-0_5)-091506**	**45-G1(0_5-2)-091506**	**45-G2(0-0_5)-091506**	**45-G2(0_5-2)-091506**	**45-G3(0_5-2)-091506**	**45-G4(0-0_5)-091506**	**45-G4(0_5-2)-091506**	**45-G5(0_5-2)-091506**	**45-G6(0-0_5)-091506**	**45-G6(0_5-2)-091506**	**45-G7(0_5-2)-091506**	**45-G8(0-0_5)-091506**	**45-G9(0_5-2)-091506**	**45-G10(0-0_5)-091506**	**45-G10(0_5-2)-091506**
		Sample Date	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**
		Units in mg/kg															
Parameter	**SCTL[1RES]**	**LGW**															
SW6010B																	
Lead	400	***		267	231 JB	118	66.3 U	32.8 JB	30.9 U	299	75.2 B	68.6 U	36 U	195	20.8 J	132 B	33.6 U
SW8082																	
Aroclor-1260	0.5	17	**0.73**	**1.4**	**1.7**	**1.6**	0.071 J	0.11 J	0.082 J	0.34 U	0.33 U	0.33 U	0.34 U	0.25 J	0.069 J	**2.2**	**1.1**

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-G-P1*Z	Grid-G-P1D	Grid-G-P2 ^	Grid-G-P2D	Grid-G-P3D	Grid-G-P4*Z	Grid-G-P4D	Grid-G-P5D	Grid-G-P6*Z	Grid-G-P6D	Grid-G-P7D	Grid-G-P8S	Grid-G-P9D	Grid-G-P10*Z	Grid-G-P10
		Sample ID	**45-G1(0-0_5)-091506**	**45-G1(0_5-2)-091506**	**45-G2(0-0_5)-091506**	**45-G2(0_5-2)-091506**	**45-G3(0_5-2)-091506**	**45-G4(0-0_5)-091506**	**45-G4(0_5-2)-091506**	**45-G5(0_5-2)-091506**	**45-G6(0-0_5)-091506**	**45-G6(0_5-2)-091506**	**45-G7(0_5-2)-091506**	**45-G8(0-0_5)-091506**	**45-G9(0_5-2)-091506**	**45-G10(0-0_5)-091506**	**45-G10(0_5-2)-091506**
		Sample Date	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**	**9/15/2006**
		Units in mg/kg															
Parameter	**SCTL[1IND]**	**LGW**															
SW6010B																	
Lead	1400	***		267	231 JB	118	66.3 U	32.8 JB	30.9 U	299	75.2 B	68.6 U	36 U	195	20.8 J	132 B	33.6 U
SW8082																	
Aroclor-1260	2.6	17	0.73	1.4	1.7	1.6	0.071 J	0.11 J	0.082 J	0.34 U	0.33 U	0.33 U	0.34 U	0.25 J	0.069 J	2.2	1.1

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

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Data Summary Table

DRMO

DRMO		Station ID	Grid-H-P1S	Grid-H-P2D	Grid-H-P3*z	Grid-H-P3D	Grid-H-P4*z	Grid-H-P4D	Grid-H-P5D	Grid-H-P6S	Grid-H-P7D	Grid-H-P8S	Grid-H-P9D	Grid-H-P10	Grid-H-P10*z
		Sample ID	45-H1(0-0_5)-091506	45-H2(0_5-2)-091506	45-H3(0-0_5)-091506	45-H3(0_5-2)-091506	45-H4(0-0_5)-091506	45-H4(0_5-2)-091506	45-H5(0_5-2)-091506	45-H6(0-0_5)-091506	45-H7(0_5-2)-091506	45-H8(0-0_5)-091506	45-H9(0_5-2)-091506	45-H10(0-0_5)-091506	45-H10(0_5-2)-091506
		Sample Date	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006
		Units in mg/kg													
Parameter	**SCTL[1RES]**	**LGW**													
SW6010B															
Lead	400	***	36.5 U	63.6 U	29.6 U	38.2 U	13.5 JB	74.2 U	34.2 U	38.7 U	64.1 U	31 U	66.9 U	32.4 U	36.4 U
SW8082															
Aroclor-1260	0.5	17	0.063 J	0.32 U	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.33 U	0.34 U	0.32 U	0.32 U	0.32 U	0.32 U

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).

SCTL[1RES] -Soil Cleanup Target Level Residential

LGW -Leachability based on Groundwater Criteria

1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg

U -The analyte was analyzed for , but not detected.

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B- The analyte was detected in the associated method and/or calibration blank.

UJ- Value non-detected estimated.

JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.

Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level

Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria

Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level

Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**

*z-Denotes Sample was validated

CTO45

Data Summary Table

DRMO

DRMO		Station ID	Grid-H-P1S	Grid-H-P2D	Grid-H-P3*z	Grid-H-P3D	Grid-H-P4*z	Grid-H-P4D	Grid-H-P5D	Grid-H-P6S	Grid-H-P7D	Grid-H-P8S	Grid-H-P9D	Grid-H-P10	Grid-H-P10*z
		Sample ID	45-H1(0-0_5)-091506	45-H2(0_5-2)-091506	45-H3(0-0_5)-091506	45-H3(0_5-2)-091506	45-H4(0-0_5)-091506	45-H4(0_5-2)-091506	45-H5(0_5-2)-091506	45-H6(0-0_5)-091506	45-H7(0_5-2)-091506	45-H8(0-0_5)-091506	45-H9(0_5-2)-091506	45-H10(0-0_5)-091506	45-H10(0_5-2)-091506
		Sample Date	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006	9/15/2006
		Units in mg/kg													
Parameter	**SCTL[1IND]**	**LGW**													
SW6010B															
Lead	1400	***	36.5 U	63.6 U	29.6 U	38.2 U	13.5 JB	74.2 U	34.2 U	38.7 U	64.1 U	31 U	66.9 U	32.4 U	36.4 U
SW8082															
Aroclor-1260	2.6	17	0.063 J	0.32 U	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.33 U	0.34 U	0.32 U	0.32 U	0.32 U	0.32 U

Notes:

All concentrations reported in milligrams per kilogram (mg/kg).

SCTL[1IND] - Soil Cleanup Target Level Industrial

LGW - Leachability based on Groundwater Criteria

1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg

U - The analyte was analyzed for , but not detected.

J - Result is estimated

B- The analyte was detected in the associated method and/or calibration blank.

UJ- Value non-detected estimated.

JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.

Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level

Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria

Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level

Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**

*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-I-P1D	Grid-I-P2S	Grid-I-P3D	Grid-I-P4S	Grid-I-P5D	Grid-I-P6	Grid-I-P6D	Grid-I-P7S	Grid-I-P7	Grid-I-P8S	Grid-I-P9D	Grid-I-P10	Grid-I-P10	Grid-I-P11	Grid-I-P12	Grid-I-P13	Grid-I-P13
		Sample ID	45-I1(0_5-2)-060911	45-I2(0-0_5)-060911	45-I3(0_5-2)-060911	45-I4(0-0_5)-060911	45-I5(0_5-2)-060911	45-I6(0-0_5)-060911	45-I6(0_5-2)-060911	45-I7(0-0_5)-060911	45-I7(0_5-2)-060911	45-I8(0-0_5)-060911	45-I9(0_5-2)-060911	45-I10(0-0_5)-060911	45-I10(0_5-2)-060911	45-I11(0-0_5)-060911	45-I12(0_5-2)-060911	45-I13(0-0_5)-060911	45-I13(0_5-2)-060911
		Sample Date	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006
		Units in mg/kg																	
Parameter	**SCTL[1RES]**	**LGW**																	
SW6010B																			
Lead	400	***						16.8 J			22.4 J			11.2 J				35.3 J	
SW7421																			
Lead	400	***	31.4 U	39 U	33.7 U	32.5 U	27 J		31.1 U	28.7 U		33.1 U	33.5 U		63.4	30 J	32.2 U		33.4 U
SW8082																			
Aroclor-1260	0.5	17	0.34 U	0.061 J	0.071 J	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.19 J	0.095 J	0.35 U	0.33 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the **SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-I-P1D	Grid-I-P2S	Grid-I-P3D	Grid-I-P4S	Grid-I-P5D	Grid-I-P6	Grid-I-P6D	Grid-I-P7S	Grid-I-P7	Grid-I-P8S	Grid-I-P9D	Grid-I-P10	Grid-I-P10	Grid-I-P11	Grid-I-P12	Grid-I-P13	Grid-I-P13
		Sample ID	45-I1(0_5-2)-060911	45-I2(0-0_5)-060911	45-I3(0_5-2)-060911	45-I4(0-0_5)-060911	45-I5(0_5-2)-060911	45-I6(0-0_5)-060911	45-I6(0_5-2)-060911	45-I7(0-0_5)-060911	45-I7(0_5-2)-060911	45-I8(0-0_5)-060911	45-I9(0_5-2)-060911	45-I10(0-0_5)-060911	45-I10(0_5-2)-060911	45-I11(0-0_5)-060911	45-I12(0_5-2)-060911	45-I13(0-0_5)-060911	45-I13(0_5-2)-060911
		Sample Date	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006
		Units in mg/kg																	
Parameter	**SCTL[1IND]**	**LGW**																	
SW6010B																			
Lead	1400	***						16.8 J			22.4 J			11.2 J				35.3 J	
SW7421																			
Lead	1400	***	31.4 U	39 U	33.7 U	32.5 U	27 J		31.1 U	28.7 U		33.1 U	33.5 U		63.4	30 J	32.2 U		33.4 U
SW8082																			
Aroclor-1260	2.6	17	0.34 U	0.061 J	0.071 J	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.34 U	0.33 U	0.19 J	0.095 J	0.35 U	0.33 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U - The analyte was analyzed for , but not detected.
J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the **SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-K-P1S*z	Grid-K-P2D*z	Grid-K-P3S*z	Grid-K-P4D*z	Grid-K-P5S*z	Grid-K-P6D*z	Grid-K-P7S*z	Grid-K-P8D*z	Grid-K-P9S*z	Grid-K-P10D*z
		Sample ID	45-K1-(0-0.5)-090606	45-K2-(0.5-2)-090606	45-K3-(0-0.5)-090606	45-K4-(0.5-2)-090606	45-K5-(0-0.5)-090606	45-K6-(0.5-2)-090606	45-K7-(0-0.5)-090606	45-K8-(0.5-2)-090606	45-K9-(0-0.5)-090606	45-K10-(0.5-2)-090606
		Sample Date	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006
		Units in mg/kg										
Parameter	**SCTL[1RES]**	**LGW**										
SW7421												
Lead	400	***	191	32.8 U	28.5 U	**1570**	32 U	31.6 U	33 U	33.2 U	32.4 U	32.5 U
SW8082												
Aroclor-1260	0.5	17	0.33 U	0.34 U	0.33 U	0.34 U	0.21 J	0.33 U	0.33 U	0.34 U	0.33 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-K-P1S*z	Grid-K-P2D*z	Grid-K-P3S*z	Grid-K-P4D*z	Grid-K-P1S*z	Grid-K-P6D*z	Grid-K-P7S*z	Grid-K-P8D*z	Grid-K-P9S*z	Grid-K-P10D*z
		Sample ID	45-K1-(0-0.5)-090606	45-K2-(0.5-2)-090606	45-K3-(0-0.5)-090606	45-K4-(0.5-2)-090606	45-K5-(0-0.5)-090606	45-K6-(0.5-2)-090606	45-K7-(0-0.5)-090606	45-K8-(0.5-2)-090606	45-K9-(0-0.5)-090606	45-K10-(0.5-2)-090606
		Sample Date	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006
		Units in mg/kg										
Parameter	**SCTL[1IND]**	**LGW**										
SW7421												
Lead	1400	***	191	32.8 U	28.5 U	**1570**	32 U	31.6 U	33 U	33.2 U	32.4 U	32.5 U
SW8082												
Aroclor-1260	2.6	17	0.33 U	0.34 U	0.33 U	0.34 U	0.21 J	0.33 U	0.33 U	0.34 U	0.33 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-L-P1S*z	Grid-L-P2D*z	Grid-L-P3S*z	Grid-L-P4D*z	Grid-L-P5S*z	Grid-L-P6D	Grid-L-P7S	Grid-L-P8D	Grid-L-P9S	Grid-L-P10D
		Sample ID	45-L1-(0-0.5)-090606	45-L2-(0.5-2)-090606	45-L3-(0-0.5)-090606	45-L4-(0.5-2)-090606	45-L5-(0-0.5)-090606	45-L6(0.5-2)-090706	45-L7(0-0.5)-090706	45-L8(0.5-2)-090706	45-L9(0-0.5)-090706	45-L10(0.5-2)-090706
		Sample Date	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
		Units in mg/kg										
Parameter	**SCTL[1RES]**	**LGW**										
SW7421												
Lead	400	***	31.5 U	33.8 U	34.2 U	32.9 U	33.5 U	32 U	34.1	60.5	53.4	49.5
SW8082												
Aroclor-1260	0.5	17	0.33 U	0.34 U	0.1 J	0.33 U	0.33 U	0.32 U	0.33 U	0.33 U	0.37 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
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Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-L-P1S*z	Grid-L-P2D*z	Grid-L-P3S*z	Grid-L-P4D*z	Grid-L-P5S*z	Grid-L-P6D	Grid-L-P7S	Grid-L-P8D	Grid-L-P9S	Grid-L-P10D
		Sample ID	45-L1-(0-0.5)-090606	45-L2-(0.5-2)-090606	45-L3-(0-0.5)-090606	45-L4-(0.5-2)-090606	45-L5-(0-0.5)-090606	45-L6(0.5-2)-090706	45-L7(0-0.5)-090706	45-L8(0.5-2)-090706	45-L9(0-0.5)-090706	45-L10(0.5-2)-090706
		Sample Date	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/6/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
		Units in mg/kg										
Parameter	**SCTL[1IND]**	**LGW**										
SW7421												
Lead	1400	***	31.5 U	33.8 U	34.2 U	32.9 U	33.5 U	32 U	34.1	60.5	53.4	49.5
SW8082												
Aroclor-1260	2.6	17	0.33 U	0.34 U	0.1 J	0.33 U	0.33 U	0.32 U	0.33 U	0.33 U	0.37 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-M-P1S	Grid-M-P2D	Grid-M-P3S	Grid-M-P4D	Grid-M-P5S	Grid-M-P6D	Grid-M-P7S	Grid-M-P8D	Grid-M-P9S	Grid-M-P10D
		Sample ID	45-M1(0-0.5)-090706	45-M2(0.5-2)-090706	45-M3(0-0.5)-090706	45-M4(0.5-2)-090706	45-M5(0-0.5)-090706	45-M6(0.5-2)-090706	45-M7(0-0.5)-090706	45-M8(0.5-2)-090706	45-M9(0-0.5)-090706	45-M10(0.5-2)-090706
		Sample Date	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
		Units in mg/kg										
Parameter	**SCTL[1RES]**	**LGW**										
SW7421												
Lead	400	***	31.4 U	30.3 U	45.3	28.1 J	34 U	40.6	87.8	32.5 U	27.2 J	31.3 U
SW8082												
Aroclor-1260	0.5	17	0.33 U	0.31 U	0.33 U	0.32 U	0.34 U	0.34 U	0.14 J	0.33 U	0.34 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-M-P1S	Grid-M-P2D	Grid-M-P3S	Grid-M-P4D	Grid-M-P5S	Grid-M-P6D	Grid-M-P7S	Grid-M-P8D	Grid-M-P9S	Grid-M-P10D
		Sample ID	45-M1(0-0.5)-090706	45-M2(0.5-2)-090706	45-M3(0-0.5)-090706	45-M4(0.5-2)-090706	45-M5(0-0.5)-090706	45-M6(0.5-2)-090706	45-M7(0-0.5)-090706	45-M8(0.5-2)-090706	45-M9(0-0.5)-090706	45-M10(0.5-2)-090706
		Sample Date	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
		Units in mg/kg										
Parameter	**SCTL[1IND]**	**LGW**										
SW7421												
Lead	1400	***	31.4 U	30.3 U	45.3	28.1 J	34 U	40.6	87.8	32.5 U	27.2 J	31.3 U
SW8082												
Aroclor-1260	2.6	17	0.33 U	0.31 U	0.33 U	0.32 U	0.34 U	0.34 U	0.14 J	0.33 U	0.34 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-N-P1S	Grid-N-P2D	Grid-N-P3S	Grid-N-P4D	Grid-N-P5S	Grid-N-P6D	Grid-N-P7S	Grid-N-P8D	Grid-N-P9S	Grid-N-P10D
		Sample ID	45-N1(0-0.5)-090706	45-N2(0.5-2)-090706	45-N3(0-0.5)-090706	45-N4(0.5-2)-090706	45-N5(0-0.5)-090706	45-N6(0.5-2)-090706	45-N7(0-0.5)-090706	45-N8(0.5-2)-090706	45-N9(0-0.5)-090706	45-N10(0.5-2)-090706
		Sample Date	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
		Units in mg/kg										
Parameter	**SCTL[1RES]**	**LGW**										
SW7421												
Lead	400	***	25.3 J	34.1 U	79.5	31.1 U	43.2	26.1 J	170	32.6 U	167	32.8 U
SW8082												
Aroclor-1260	0.5	17	0.32 U	0.34 U	0.2 J	0.32 U	0.075 J	0.34 U	0.33 U	0.33 U	0.095 J	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
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Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-N-P1S	Grid-N-P2D	Grid-N-P3S	Grid-N-P4D	Grid-N-P5S	Grid-N-P6D	Grid-N-P7S	Grid-N-P8D	Grid-N-P9S	Grid-N-P10D
		Sample ID	45-N1(0-0.5)-090706	45-N2(0.5-2)-090706	45-N3(0-0.5)-090706	45-N4(0.5-2)-090706	45-N5(0-0.5)-090706	45-N6(0.5-2)-090706	45-N7(0-0.5)-090706	45-N8(0.5-2)-090706	45-N9(0-0.5)-090706	45-N10(0.5-2)-090706
		Sample Date	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006
		Units in mg/kg										
Parameter	**SCTL[1IND]**	**LGW**										
SW7421												
Lead	1400	***	25.3 J	34.1 U	79.5	31.1 U	43.2	26.1 J	170	32.6 U	167	32.8 U
SW8082												
Aroclor-1260	2.6	17	0.32 U	0.34 U	0.2 J	0.32 U	0.075 J	0.34 U	0.33 U	0.33 U	0.095 J	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U - The analyte was analyzed for , but not detected.
J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-O-P1S	Grid-O-P2D	Grid-O-P3S	Grid-O-P4D	Grid-O-P5	Grid-O-P5D	Grid-O-P6D	Grid-O-P7S	Grid-O-P8D	Grid-O-P9D	Grid-O-P9D	Grid-O-P10D
		Sample ID	45-O1(0-0.5)-060908	45-O2(0.5-2)-060908	45-O3(0-0.5)-060908	45-O4(0.5-2)-060908	45-O5(0-0_5)-060908	45-O5(0.5-2)-060908	45-O6(0.5-2)-060908	45-O7(0-0.5)-060908	45-O8(0.5-2)-060908	45-O9(0_5-2)-060908	45-O9(0.5-2)-060908	45-O10(0.5-2)-060908
		Sample Date	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006
		Units in mg/kg												
Parameter	**SCTL[1RES]**	**LGW**												
SW6010B														
Lead							**462**					11.1 J		
SW7421														
Lead	400	***	164	40.3	134	29.1 U		42	46.6	99.9	30.7 J		31.1 U	67
SW8082														
Aroclor-1260	0.5	17	**0.91**	0.44	**0.51**	0.36	0.084 J	0.41	0.42	**0.58**	0.38	0.33 U	0.34 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
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Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-O-P1S	Grid-O-P2D	Grid-O-P3S	Grid-O-P4D	Grid-O-P5	Grid-O-P5D	Grid-O-P6D	Grid-O-P7S	Grid-O-P8D	Grid-O-P9D	Grid-O-P9D	Grid-O-P10D
		Sample ID	45-O1(0-0.5)-060908	45-O2(0.5-2)-060908	45-O3(0-0.5)-060908	45-O4(0.5-2)-060908	45-O5(0-0_5)-060908	45-O5(0.5-2)-060908	45-O6(0.5-2)-060908	45-O7(0-0.5)-060908	45-O8(0.5-2)-060908	45-O9(0_5-2)-060908	45-O9(0.5-2)-060908	45-O10(0.5-2)-060908
		Sample Date	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006	9/8/2006
		Units in mg/kg												
Parameter	**SCTL[1IND]**	**LGW**												
SW6010B														
Lead	1400						462					11.1 J		
SW7421														
Lead	1400	***	164	40.3	134	29.1 U		42	46.6	99.9	30.7 J		31.1 U	67
SW8082														
Aroclor-1260	2.6	17	0.91	0.44	0.51	0.36	0.084 J	0.41	0.42	0.58	0.38	0.33 U	0.34 U	0.32 U

Notes:
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UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
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Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-P-P1D	Grid-P-P2	Grid-P-P2D	Grid-P-P3D	Grid-P-P4D	Grid-P-P5	Grid-P-P5D	Grid-P-P6D	Grid-P-P7	Grid-P-P7D	Grid-P-P8S	Grid-P-P9D	Grid-P-P10	Grid-P-P10D
		Sample ID	45-P1(0.5-2)-091806	45-P2(0-0_5)-091806	45-P2(0.5-2)-091806	45-P3(0.5-2)-091806	45-P4(0.5-2)-091806	45-P5(0-0_5)-091806	45-P5(0.5-2)-091806	45-P6(0.5-2)-091806	45-P7(0-0_5)-091806	45-P7(0.5-2)-091806	45-P8(0-0.5)-091806	45-P9(0.5-2)-091806	45-P10(0-0_5)-091806	45-P10(0.5-2)-091806
		Sample Date	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
		Units in mg/kg														
Parameter	**SCTL[1RES]**	**LGW**														
SW6010B																
Lead	400	***	65 U	221	73.8 U	38.2 U	71.2 U	**819**	72.2 U	73 U	54.8	36.3 U	34.1 U	40.7 U	**562**	37.7 U
SW8082																
Aroclor-1260	0.5	17	0.18 J	0.34 U	0.33 U	0.35 U	0.12 J	**2**	0.073 J	0.33 U	0.35 U	0.34 U	**0.64**	0.35 U	0.35 U	0.36 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
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Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
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CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-P-P1D	Grid-P-P2	Grid-P-P2D	Grid-P-P3D	Grid-P-P4D	Grid-P-P5	Grid-P-P5D	Grid-P-P6D	Grid-P-P7	Grid-P-P7D	Grid-P-P8S	Grid-P-P9D	Grid-P-P10	Grid-P-P10D
		Sample ID	45-P1(0.5-2)-091806	45-P2(0-0_5)-091806	45-P2(0.5-2)-091806	45-P3(0.5-2)-091806	45-P4(0.5-2)-091806	45-P5(0-0_5)-091806	45-P5(0.5-2)-091806	45-P6(0.5-2)-091806	45-P7(0-0_5)-091806	45-P7(0.5-2)-091806	45-P8(0-0.5)-091806	45-P9(0.5-2)-091806	45-P10(0-0_5)-091806	45-P10(0.5-2)-091806
		Sample Date	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
		Units in mg/kg														
Parameter	**SCTL[1IND]**	**LGW**														
SW6010B																
Lead	1400	***	65 U	221	73.8 U	38.2 U	71.2 U	819	72.2 U	73 U	54.8	36.3 U	34.1 U	40.7 U	562	37.7 U
SW8082																
Aroclor-1260	2.6	17	0.18 J	0.34 U	0.33 U	0.35 U	0.12 J	2	0.073 J	0.33 U	0.35 U	0.34 U	0.64	0.35 U	0.35 U	0.36 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
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Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-Q-P1S	Grid-Q-P2D	Grid-Q-P3	Grid-Q-P3D	Grid-Q-P4	Grid-Q-P4D	Grid-Q-P5	Grid-Q-P5D	Grid-Q-P6S	Grid-Q-P7	Grid-Q-P7D	Grid-Q-P8S	Grid-Q-P9D	Grid-Q-P10	Grid-Q-P10D
		Sample ID	45-Q1(0-0.5)-091806	45-Q2(0.5-2)-091806	45-Q3(0-0_5)-091806	45-Q3(0.5-2)-091806	45-Q4(0-0_5)-091806	45-Q4(0.5-2)-091806	45-Q5(0-0_5)-091806	45-Q5(0.5-2)-091806	45-Q6(0-0.5)-091806	45-Q7(0-0_5)-091806	45-Q7(0.5-2)-091806	45-Q8(0-0.5)-091806	45-Q9(0.5-2)-091806	45-Q10(0-0_5)-091806	45-Q10(0.5-2)-091806
		Sample Date	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
		Units in mg/kg															
Parameter	**SCTL[1RES]**	**LGW**															
SW6010B																	
Lead	400	***	38.2 U	38.1 U	8.46 J	36.2 U	21.7 J	73.7 U		58.9	62.4 U		207	41.7	59 U	10.9 J	58 U
SW8082																	
Aroclor-1260	0.5	17	0.34 U	0.32 U	0.33 U	0.34 U	0.34 U	0.34 U	**1.2**	**0.59**	0.32 U	0.072 J	**0.74**	**0.88**	0.32 U	0.32 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-Q-P1S	Grid-Q-P2D	Grid-Q-P3	Grid-Q-P3D	Grid-Q-P4	Grid-Q-P4D	Grid-Q-P5	Grid-Q-P5D	Grid-Q-P6S	Grid-Q-P7	Grid-Q-P7D	Grid-Q-P8S	Grid-Q-P9D	Grid-Q-P10	Grid-Q-P10D
		Sample ID	45-Q1(0-0.5)-091806	45-Q2(0.5-2)-091806	45-Q3(0-0_5)-091806	45-Q3(0.5-2)-091806	45-Q4(0-0_5)-091806	45-Q4(0.5-2)-091806	45-Q5(0-0_5)-091806	45-Q5(0.5-2)-091806	45-Q6(0-0.5)-091806	45-Q7(0-0_5)-091806	45-Q7(0.5-2)-091806	45-Q8(0-0.5)-091806	45-Q9(0.5-2)-091806	45-Q10(0-0_5)-091806	45-Q10(0.5-2)-091806
		Sample Date	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
		Units in mg/kg															
Parameter	**SCTL[1IND]**	**LGW**															
SW6010B																	
Lead	1400	***	38.2 U	38.1 U	8.46 J	36.2 U	21.7 J	73.7 U		58.9	62.4 U		207	41.7	59 U	10.9 J	58 U
SW8082																	
Aroclor-1260	2.6	17	0.34 U	0.32 U	0.33 U	0.34 U	0.34 U	0.34 U	1.2	0.59	0.32 U	0.072 J	0.74	0.88	0.32 U	0.32 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-R-P1	Grid-R-P1D*z	Grid-R-P2D*z	Grid-R-P3	Grid-R-P3D*z	Grid-R-P4	Grid-R-P4D*z	Grid-R-P5D*z	Grid-R-P6	Grid-R-P6D*z	Grid-R-P7D*z	Grid-R-P8S*z	Grid-R-P9D*z	Grid-R-P10	Grid-R-P10D*z	Grid-R-P11D*z	Grid-R-P12S*z
		Sample ID	45-R1(0-0_5)-091906	45-R1(0.5-2)-091906	45-R2(0.5-2)-091906	45-R3(0-0_5)-091906	45-R3(0.5-2)-091906	45-R4(0-0_5)-091906	45-R4(0.5-2)-091906	45-R5(0.5-2)-091906	45-R6(0-0_5)-091906	45-R6(0.5-2)-091906	45-R7(0.5-2)-091906	45-R8(0-0.5)-091906	45-R9(0.5-2)-091906	45-R10(0-0_5)-091906	45-R10(0.5-2)-091906	45-R11(0.5-2)-091906	45-R12(0-0.5)-091906
		Sample Date	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006
		Units in mg/kg																	
Parameter	**SCTL[1RES]**	**LGW**																	
SW6010B																			
Lead	400	***	9.63 J	38.8 U	79.5 U	37.4 U	29.8 U	10 J	64 U	34.8 U	37.5 U	36.6 U	36.5 U	8.98 J	33 U	36.2 U	39.8 U	38 U	18.1 J
SW8082																			
Aroclor-1260	0.5	17	0.32 U	0.33 U	0.34 U	0.33 U	0.35 U	0.33 U	0.33 U	0.15 J	0.33 U	0.29 J	0.34 U	0.4	0.32 U	0.33 U	0.35 U	0.36 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
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CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-R-P1	Grid-R-P1D*z	Grid-R-P2D*z	Grid-R-P3	Grid-R-P3D*z	Grid-R-P4	Grid-R-P4D*z	Grid-R-P5D*z	Grid-R-P6	Grid-R-P6D*z	Grid-R-P7D*z	Grid-R-P8S*z	Grid-R-P9D*z	Grid-R-P10	Grid-R-P10D*z	Grid-R-P11D*z	Grid-R-P12S*z
		Sample ID	45-R1(0-0_5)-091906	45-R1(0.5-2)-091906	45-R2(0.5-2)-091906	45-R3(0-0_5)-091906	45-R3(0.5-2)-091906	45-R4(0-0_5)-091906	45-R4(0.5-2)-091906	45-R5(0.5-2)-091906	45-R6(0-0_5)-091906	45-R6(0.5-2)-091906	45-R7(0.5-2)-091906	45-R8(0-0.5)-091906	45-R9(0.5-2)-091906	45-R10(0-0_5)-091906	45-R10(0.5-2)-091906	45-R11(0.5-2)-091906	45-R12(0-0.5)-091906
		Sample Date	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006
		Units in mg/kg																	
Parameter	**SCTL[1IND]**	**LGW**																	
SW6010B																			
Lead	1400	***	9.63 J	38.8 U	79.5 U	37.4 U	29.8 U	10 J	64 U	34.8 U	37.5 U	36.6 U	36.5 U	8.98 J	33 U	36.2 U	39.8 U	38 U	18.1 J
SW8082																			
Aroclor-1260	2.6	17	0.32 U	0.33 U	0.34 U	0.33 U	0.35 U	0.33 U	0.33 U	0.15 J	0.33 U	0.29 J	0.34 U	0.4	0.32 U	0.33 U	0.35 U	0.36 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-S-P1S	Grid-S-P2D	Grid-S-P3	Grid-S-P3D	Grid-S-P4	Grid-S-P4D	Grid-S-P5	Grid-S-P5D	Grid-S-P6D	Grid-S-P7	Grid-S-P7D	Grid-S-P8S	Grid-S-P8	Grid-S-P9D
		Sample ID	**45-S1(0-0.5)-092106**	**45-S2(0.5-2)-092106**	**45-S3(0-0_5)-092106**	**45-S3(0.5-2)-092106**	**45-S4(0-0_5)-092106**	**45-S4(0.5-2)-092106**	**45-S5(0-0_5)-092106**	**45-S5(0.5-2)-092106**	**45-S6(0.5-2)-092106**	**45-S7(0-0_5)-092106**	**45-S7(0.5-2)-092106**	**45-S8(0-0.5)-092106**	**45-S8(0_5-2)-092106**	**45-S9(0.5-2)-092106**
		Sample Date	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**
		Units in mg/kg														
Parameter	**SCTL[1RES]**	**LGW**														
SW6010B																
Lead	400	***	64.3	61.2 U	37.3 U	14.1 J	131	**568**	53	38.8 U	38 U	59	22.3 J	37.8 U	30.6 U	69.8 U
SW8082																
Aroclor-1260	0.5	17	0.34 U	0.34 U	0.33 U	0.34 U	**0.77**	**0.85**	0.34 U	0.22 J	0.12 J	0.33 U	0.34 U	0.33 U	0.34 U	0.37 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-S-P1S	Grid-S-P2D	Grid-S-P3	Grid-S-P3D	Grid-S-P4	Grid-S-P4D	Grid-S-P5	Grid-S-P5D	Grid-S-P6D	Grid-S-P7	Grid-S-P7D	Grid-S-P8S	Grid-S-P8	Grid-S-P9D
		Sample ID	**45-S1(0-0.5)-092106**	**45-S2(0.5-2)-092106**	**45-S3(0-0_5)-092106**	**45-S3(0.5-2)-092106**	**45-S4(0-0_5)-092106**	**45-S4(0.5-2)-092106**	**45-S5(0-0_5)-092106**	**45-S5(0.5-2)-092106**	**45-S6(0.5-2)-092106**	**45-S7(0-0_5)-092106**	**45-S7(0.5-2)-092106**	**45-S8(0-0.5)-092106**	**45-S8(0_5-2)-092106**	**45-S9(0.5-2)-092106**
		Sample Date	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**	**9/21/2006**
		Units in mg/kg														
Parameter	**SCTL[1IND]**	**LGW**														
SW6010B																
Lead	1400	***	64.3	61.2 U	37.3 U	14.1 J	131	568	53	38.8 U	38 U	59	22.3 J	37.8 U	30.6 U	69.8 U
SW8082																
Aroclor-1260	2.6	17	0.34 U	0.34 U	0.33 U	0.34 U	0.77	0.85	0.34 U	0.22 J	0.12 J	0.33 U	0.34 U	0.33 U	0.34 U	0.37 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
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B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-T-P1S	Grid-T-P2D	Grid-T-P3D	Grid-T-P4D	Grid-T-P5S	Grid-T-P6S	Grid-T-P7D
		Sample ID	**45-T1(0-0.5)-060912**	**45-T2(0.5-2)-060912**	**45-T3(0.5-2)-060912**	**45-T4(0.5-2)-060912**	**45-T5(0-0.5)-060912**	**45-T6(0-0.5)-060912**	**45-T7(0.5-2)-060912**
		Sample Date	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**
		Units in mg/kg							
Parameter	**SCTL[1RES]**	**LGW**							
SW6010B									
Lead	400	***	34.3 U	59.8 U	74.3 U	36.8 U	32.5 U	36 U	68.6 U
SW8082									
Aroclor-1260	0.5	17	0.076 J	0.33 U	0.33 U	0.32 U	0.33 U	0.33 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-T-P1S	Grid-T-P2D	Grid-T-P3D	Grid-T-P4D	Grid-T-P5S	Grid-T-P6S	Grid-T-P7D
		Sample ID	**45-T1(0-0.5)-060912**	**45-T2(0.5-2)-060912**	**45-T3(0.5-2)-060912**	**45-T4(0.5-2)-060912**	**45-T5(0-0.5)-060912**	**45-T6(0-0.5)-060912**	**45-T7(0.5-2)-060912**
		Sample Date	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**	**9/12/2006**
		Units in mg/kg							
Parameter	**SCTL[1IND]**	**LGW**							
SW6010B									
Lead	1400	***	34.3 U	59.8 U	74.3 U	36.8 U	32.5 U	36 U	68.6 U
SW8082									
Aroclor-1260	2.6	17	0.076 J	0.33 U	0.33 U	0.32 U	0.33 U	0.33 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-U-P1	Grid-U-P1D	Grid-U-P2D	Grid-U-P3	Grid-U-P3D	Grid-U-P4S	Grid-U-P5D	Grid-U-P6	Grid-U-P6D	Grid-U-P7S	Grid-U-P7	Grid-U-P9D	Grid-U-P10D
		Sample ID	45-U1(0-0_5)-060913	45-U1(0.5-2)-060913	45-U2(0.5-2)-060913	45-U3(0-0_5)-060913	45-U3(0.5-2)-060913	45-U4(0-0.5)-060913	45-U5(0.5-2)-060913	45-U6(0-0_5)-060913	45-U6(0.5-2)-060913	45-U7(0-0.5)-060913	45-U7(0_5-2)-060913	45-U9(0.5-2)-060913	45-U10(0.5-2)-060913
		Sample Date	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006
		Units in mg/kg													
Parameter	**SCTL[1RES]**	**LGW**													
SW6010B															
Lead	400	***	17.5 J	29.4 U	62.1 U	23.1 J	62.4 U	33.8 U	61.6 U	30.4 J	74.2 U	64 U	25.2 J	68.1 U	61 U
SW8082															
Aroclor-1260	0.5	17	0.32 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-U-P1	Grid-U-P1D	Grid-U-P2D	Grid-U-P3	Grid-U-P3D	Grid-U-P4S	Grid-U-P5D	Grid-U-P6	Grid-U-P6D	Grid-U-P7S	Grid-U-P7	Grid-U-P9D	Grid-U-P10D
		Sample ID	45-U1(0-0_5)-060913	45-U1(0.5-2)-060913	45-U2(0.5-2)-060913	45-U3(0-0_5)-060913	45-U3(0.5-2)-060913	45-U4(0-0.5)-060913	45-U5(0.5-2)-060913	45-U6(0-0_5)-060913	45-U6(0.5-2)-060913	45-U7(0-0.5)-060913	45-U7(0_5-2)-060913	45-U9(0.5-2)-060913	45-U10(0.5-2)-060913
		Sample Date	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006	9/13/2006
		Units in mg/kg													
Parameter	**SCTL[1IND]**	**LGW**													
SW6010B															
Lead	1400	***	17.5 J	29.4 U	62.1 U	23.1 J	62.4 U	33.8 U	61.6 U	30.4 J	74.2 U	64 U	25.2 J	68.1 U	61 U
SW8082															
Aroclor-1260	2.6	17	0.32 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U	0.32 U	0.33 U	0.32 U	0.32 U	0.34 U	0.34 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-V-P1S	Grid-V-P2	Grid-V-P2D	Grid-V-P3D	Grid-V-P4S	Grid-V-P5D	Grid-V-P6S	Grid-V-P7D	Grid-V-P8	Grid-V-P8D	Grid-V-P9D	Grid-V-P10S
		Sample ID	45-V1(0-0.5)-060911	45-V2(0-0_5)-060911	45-V2(0.5-2)-060911	45-V3(0.5-2)-060911	45-V4(0-0.5)-060911	45-V5(0.5-2)-060911	45-V6(0-0.5)-060911	45-V7(0.5-2)-060911	45-V8(0-0_5)-060911	45-V8(0.5-2)-060911	45-V9(0.5-2)-060911	45-V10(0-0.5)-060911
		Sample Date	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006
		Units in mg/kg												
Parameter	**SCTL[1RES]**	**LGW**												
SW6010B														
Lead				31.9 U							22.8 J			
SW7421														
Lead	400	***	70		33.9 U	29.8 U	35.2 U	31.3 U	29.5 U	31.6 U		39.1 U	36.5 U	34.9 U
SW8082														
Aroclor-1260	0.5	17	0.33 U	0.32 U	0.33 U	0.34 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-V-P1S	Grid-V-P2	Grid-V-P2D	Grid-V-P3D	Grid-V-P4S	Grid-V-P5D	Grid-V-P6S	Grid-V-P7D	Grid-V-P8	Grid-V-P8D	Grid-V-P9D	Grid-V-P10S
		Sample ID	45-V1(0-0.5)-060911	45-V2(0-0_5)-060911	45-V2(0.5-2)-060911	45-V3(0.5-2)-060911	45-V4(0-0.5)-060911	45-V5(0.5-2)-060911	45-V6(0-0.5)-060911	45-V7(0.5-2)-060911	45-V8(0-0_5)-060911	45-V8(0.5-2)-060911	45-V9(0.5-2)-060911	45-V10(0-0.5)-060911
		Sample Date	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006	9/11/2006
		Units in mg/kg												
Parameter	**SCTL[1IND]**	**LGW**												
SW6010B														
Lead				31.9 U							22.8 J			
SW7421														
Lead	1400	***	70		33.9 U	29.8 U	35.2 U	31.3 U	29.5 U	31.6 U		39.1 U	36.5 U	34.9 U
SW8082														
Aroclor-1260	2.6	17	0.33 U	0.32 U	0.33 U	0.34 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U	0.32 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-W-P1D	Grid-W-P2D	Grid-W-P3S	Grid-W-P4D	Grid-W-P5D	Grid-W-P6D	Grid-W-P7S	Grid-W-P8D	Grid-W-P9D	Grid-W-P10D
		Sample ID	45-W1(0.5-2)-060912	45-W2(0.5-2)-060912	45-W3(0-0.5)-060912	45-W4(0.5-2)-060912	45-W5(0.5-2)-060912	45-W6(0.5-2)-060912	45-W7(0-0.5)-060912	45-W8(0.5-2)-060912	45-W9(0.5-2)-060912	45-W10(0.5-2)-060912
		Sample Date	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006
		Units in mg/kg										
Parameter	**SCTL[1RES]**	**LGW**										
SW6010B												
Lead	400	***	33.3 U	32.6 U	33.6 U	32.5 U	32 U	37 U	30 U	69.8 U	31.7 U	66.8 U
SW8082												
Aroclor-1260	0.5	17	0.33 U	0.32 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-W-P1D	Grid-W-P2D	Grid-W-P3S	Grid-W-P4D	Grid-W-P5D	Grid-W-P6D	Grid-W-P7S	Grid-W-P8D	Grid-W-P9D	Grid-W-P10D
		Sample ID	45-W1(0.5-2)-060912	45-W2(0.5-2)-060912	45-W3(0-0.5)-060912	45-W4(0.5-2)-060912	45-W5(0.5-2)-060912	45-W6(0.5-2)-060912	45-W7(0-0.5)-060912	45-W8(0.5-2)-060912	45-W9(0.5-2)-060912	45-W10(0.5-2)-060912
		Sample Date	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006	9/12/2006
		Units in mg/kg										
Parameter	**SCTL[1IND]**	**LGW**										
SW6010B												
Lead	1400	***	33.3 U	32.6 U	33.6 U	32.5 U	32 U	37 U	30 U	69.8 U	31.7 U	66.8 U
SW8082												
Aroclor-1260	2.6	17	0.33 U	0.32 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
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Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-X-P1S*z	Grid-X-P1	Grid-X-P2D*z	Grid-X-P3S*z	Grid-X-P4	Grid-X-P4D*z	Grid-X-P5	Grid-X-P5D*z	Grid-X-P6S*z	Grid-X-P7D*z	Grid-X-P8S*z	Grid-X-P9	Grid-X-P9	Grid-X-P9D*z	Grid-X-P10	Grid-X-P10D*z
		Sample ID	45-X1(0-0.5)-091906	45-X1(0_5-2)-091906	45-X2(0.5-2)-091906	45-X3(0-0.5)-091906	45-X4(0-0_5)-091906	45-X4(0.5-2)-091906	45-X5(0-0_5)-091906	45-X5(0.5-2)-091906	45-X6(0-0.5)-091906	45-X7(0.5-2)-091906	45-X8(0-0.5)-091906	45-X9(0-0_5)-091906	45-X9(0-0_5)-091906DL1	45-X9(0.5-2)-091906	45-X10(0-0_5)-091906	45-X10(0.5-2)-091906
		Sample Date	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006
		Units in mg/kg																
Parameter	**SCTL[1RES]**	**LGW**																
SW6010B																		
Lead	400	***	**30300**	**411**	40.6 U	**797 J**	38.4 U	60.1 U		62 U	29.4 U	33.1 U	63.1 U			**1720**	**1700**	54.5 J
SW8082																		
Aroclor-1260	0.5	17	**1.5**		0.34 U	0.41	**3.2**	**1.3**	**1.3**	**1**	0.32 U	0.13 J	0.1 J	**19**	**17**	**1.9**	**9.6**	**0.71**

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
U -The analyte was analyzed for , but not detected.
J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-X-P1S*z	Grid-X-P1	Grid-X-P2D*z	Grid-X-P3S*z	Grid-X-P4	Grid-X-P4D*z	Grid-X-P5	Grid-X-P5D*z	Grid-X-P6S*z	Grid-X-P7D*z	Grid-X-P8S*z	Grid-X-P9	Grid-X-P9	Grid-X-P9D*z	Grid-X-P10	Grid-X-P10D*z
		Sample ID	45-X1(0-0.5)-091906	45-X1(0_5-2)-091906	45-X2(0.5-2)-091906	45-X3(0-0.5)-091906	45-X4(0-0_5)-091906	45-X4(0.5-2)-091906	45-X5(0-0_5)-091906	45-X5(0.5-2)-091906	45-X6(0-0.5)-091906	45-X7(0.5-2)-091906	45-X8(0-0.5)-091906	45-X9(0-0_5)-091906	45-X9(0-0_5)-091906DL1	45-X9(0.5-2)-091906	45-X10(0-0_5)-091906	45-X10(0.5-2)-091906
		Sample Date	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006	9/19/2006
		Units in mg/kg																
Parameter	**SCTL[1IND]**	**LGW**																
SW6010B																		
Lead	1400	***	**30300**	411	40.6 U	797 J	38.4 U	60.1 U		62 U	29.4 U	33.1 U	63.1 U			**1720**	**1700**	54.5 J
SW8082																		
Aroclor-1260	2.6	17	1.5		0.34 U	0.41	**3.2**	1.3	1.3	1	0.32 U	0.13 J	0.1 J	**19**	**17**	1.9	**9.6**	0.71

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-Y-P1D	Grid-Y-P2	Grid-Y-P2D	Grid-Y-P3D	Grid-Y-P4D	Grid-Y-P5	Grid-Y-P5D	Grid-Y-P6D	Grid-Y-P7	Grid-Y-P7D	Grid-Y-P8	Grid-Y-P8D	Grid-Y-P9D	Grid-Y-P10	Grid-Y-P10D	Grid-Y-P11	Grid-Y-P11D	Grid-Y-P12D
		Sample ID	45-Y1(0.5-2)-092006	45-Y2(0-0_5)-092006	45-Y2(0.5-2)-092006	45-Y3(0.5-2)-092006	45-Y4(0.5-2)-092006	45-Y5(0-0_5)-092006	45-Y5(0.5-2)-092006	45-Y6(0.5-2)-092006	45-Y7(0-0_5)-092006	45-Y7(0.5-2)-092006	45-Y8(0-0_5)-092006	45-Y8(0.5-2)-092006	45-Y9(0.5-2)-092006	45-Y10(0-0_5)-092006	45-Y10(0.5-2)-092006	45-Y11(0-0_5)-092006	45-Y11(0.5-2)-092006	45-Y12(0.5-2)-092006
		Sample Date	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006
		Units in mg/kg																		
Parameter	SCTL[1RES]	LGW																		
SW6010B																				
Lead	400	***	55.6 U	27.1 U	61.7 U	195	29.6 J	10.2 J	55.3 U	70.5 U	32.8 U	66.1 U	126	**520**	57.4 U	34.4 U	32 U	10.1 J	58.5	56.5 U
SW8082																				
Aroclor-1260	0.5	17	0.31 U	0.32 U	0.32 U	**4.5**	0.32 U	0.31 U	0.32 U	0.32 U	0.31 U	0.082 J	0.39	**0.64**	0.32 U	0.32 U	0.059 J	0.32 U	0.43	0.31 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
LGW -Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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J -Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-Y-P1D	Grid-Y-P2	Grid-Y-P2D	Grid-Y-P3D	Grid-Y-P4D	Grid-Y-P5	Grid-Y-P5D	Grid-Y-P6D	Grid-Y-P7	Grid-Y-P7D	Grid-Y-P8	Grid-Y-P8D	Grid-Y-P9D	Grid-Y-P10	Grid-Y-P10D	Grid-Y-P11	Grid-Y-P11D	Grid-Y-P12D
		Sample ID	45-Y1(0.5-2)-092006	45-Y2(0-0_5)-092006	45-Y2(0.5-2)-092006	45-Y3(0.5-2)-092006	45-Y4(0.5-2)-092006	45-Y5(0-0_5)-092006	45-Y5(0.5-2)-092006	45-Y6(0.5-2)-092006	45-Y7(0-0_5)-092006	45-Y7(0.5-2)-092006	45-Y8(0-0_5)-092006	45-Y8(0.5-2)-092006	45-Y9(0.5-2)-092006	45-Y10(0-0_5)-092006	45-Y10(0.5-2)-092006	45-Y11(0-0_5)-092006	45-Y11(0.5-2)-092006	45-Y12(0.5-2)-092006
		Sample Date	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006	9/20/2006
		Units in mg/kg																		
Parameter	SCTL[1IND]	LGW																		
SW6010B																				
Lead	1400	***	55.6 U	27.1 U	61.7 U	195	29.6 J	10.2 J	55.3 U	70.5 U	32.8 U	66.1 U	126	520	57.4 U	34.4 U	32 U	10.1 J	58.5	56.5 U
SW8082																				
Aroclor-1260	2.6	17	0.31 U	0.32 U	0.32 U	**4.5**	0.32 U	0.31 U	0.32 U	0.32 U	0.31 U	0.082 J	0.39	0.64	0.32 U	0.32 U	0.059 J	0.32 U	0.43	0.31 U

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
LGW - Leachability based on Groundwater Criteria
1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-Z-P1	Grid-Z-P1D	Grid-Z-P2D	Grid-Z-P3	Grid-Z-P3D	Grid-Z-P4D	Grid-Z-P5	Grid-Z-P5D	Grid-Z-P6D	Grid-Z-P7D	Grid-Z-P8S	Grid-Z-P9	Grid-Z-P9D	Grid-Z-P10	Grid-Z-P10D	Grid-Z-P11	Grid-Z-P11D
		Sample ID	45-Z1(0-0_5)-092106	45-Z1(0.5-2)-092106	45-Z2(0.5-2)-092106	45-Z3(0-0_5)-092106	45-Z3(0.5-2)-092106	45-Z4(0.5-2)-092106	45-Z5(0-0_5)-092106	45-Z5(0.5-2)-092106	45-Z6(0.5-2)-092106	45-Z7(0.5-2)-092106	45-Z8(0-0.5)-092106	45-Z9(0-0_5)-092106	45-Z9(0.5-2)-092106	45-Z10(0-0_5)-092106	45-Z10(0.5-2)-092106	45-Z11(0-0_5)-092106	45-Z11(0.5-2)-092106
		Sample Date	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006
		Units in mg/kg																	
Parameter	**SCTL[1RES]**	**LGW**																	
SW6010B																			
Lead	400	***	**480**	80.6 U	79.6 U	354	39.4 U	66.5 U	**3490**	311	80.8 U	42.6	270	44	51.2	53.7	24.5 J	40.3 U	**2270**
SW8082																			
Aroclor-1260	0.5	17	0.33 U	0.35 U	0.34 U	**1.2**	0.36 U	0.37 U	**5.7**	0.24 J	0.38 U	0.22 J	**0.9**	0.35 U	0.19 J	0.35 U	0.071 J	0.15 J	**1.3**

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1RES] -Soil Cleanup Target Level Residential
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1 = Ch 62-777 F.A.C Soil Cleanup Target Level (**SCTL**) reported in mg/kg
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B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO		Station ID	Grid-Z-P1	Grid-Z-P1D	Grid-Z-P2D	Grid-Z-P3	Grid-Z-P3D	Grid-Z-P4D	Grid-Z-P5	Grid-Z-P5D	Grid-Z-P6D	Grid-Z-P7D	Grid-Z-P8S	Grid-Z-P9	Grid-Z-P9D	Grid-Z-P10	Grid-Z-P10D	Grid-Z-P11	Grid-Z-P11D
		Sample ID	45-Z1(0-0_5)-092106	45-Z1(0.5-2)-092106	45-Z2(0.5-2)-092106	45-Z3(0-0_5)-092106	45-Z3(0.5-2)-092106	45-Z4(0.5-2)-092106	45-Z5(0-0_5)-092106	45-Z5(0.5-2)-092106	45-Z6(0.5-2)-092106	45-Z7(0.5-2)-092106	45-Z8(0-0.5)-092106	45-Z9(0-0_5)-092106	45-Z9(0.5-2)-092106	45-Z10(0-0_5)-092106	45-Z10(0.5-2)-092106	45-Z11(0-0_5)-092106	45-Z11(0.5-2)-092106
		Sample Date	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006	9/21/2006
		Units in mg/kg																	
Parameter	**SCTL[1IND]**	**LGW**																	
SW6010B																			
Lead	1400	***	480	80.6 U	79.6 U	354	39.4 U	66.5 U	**3490**	311	80.8 U	42.6	270	44	51.2	53.7	24.5 J	40.3 U	**2270**
SW8082																			
Aroclor-1260	2.6	17	0.33 U	0.35 U	0.34 U	1.2	0.36 U	0.37 U	**5.7**	0.24 J	0.38 U	0.22 J	0.9	0.35 U	0.19 J	0.35 U	0.071 J	0.15 J	1.3

Notes:
All concentrations reported in milligrams per kilogram (mg/kg).
SCTL[1IND] - Soil Cleanup Target Level Industrial
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UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**SCTL**) Soil Cleanup Target Level
Values Shaded are concentrations that exceed (**LGW**) Leachability based on Groundwater Criteria
Values Bold and Pale Blue are hits exceeding the (**SCTL**) Soil Cleanup Target Level
Values Bold and Shade are concentrations that exceed both **SCTL** and **LGW**
*z-Denotes Sample was validated

CTO45
Data Summary Table
DRMO

DRMO	Station ID	45-E1(0-0_5)-091406	45-E2(0_5-2)-091406	45-E3(0_5-2)-091406	45-K4(0_5-2)-090606	45-X1(0-0_5)-091906	45-X3(0-0_5)-091906	45-X9(0_5-2)-091906	45-Y3(0_5-2)-092006	45-Z11(0_5-2)-092106
	SampleID	45-E1(0-0_5)-091406	45-E2(0_5-2)-091406	45-E3(0_5-2)-091406	45-K4(0_5-2)-090606	45-X1(0-0_5)-091906	45-X3(0-0_5)-091906	45-X9(0_5-2)-091906	45-Y3(0_5-2)-092006	45-Z11(0_5-2)-092106
	Sample Date	**9/14/2006**	**9/14/2006**	**9/14/2006**	**9/6/2006**	**9/19/2006**	**9/19/2006**	**9/19/2006**	**9/20/2006**	**9/21/2006**
	Units in mg/l									
Parameter	**TCLP^{Limit}**									
SW6010B										
Lead	5				0.0344	**19.6 B**	0.271	0.117		0.673
SW8082										
Aroclor-1016	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	
Aroclor-1221	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	
Aroclor-1232	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	
Aroclor-1242	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	
Aroclor-1248	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	
Aroclor-1254	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	
Aroclor-1260	NA	0.00051 U	0.00052 U	0.00051 U				0.0011 U	0.00052 U	

Notes:
All concentrations reported in milligrams per liter (mg/l).
TCLP^{Limit} - TCLP Regulatory Limt
U - The analyte was analyzed for , but not detected.
J - Result is estimated
B- The analyte was detected in the associated method and/or calibration blank.
UJ- Value non-detected estimated.
JB- Estimate value..The analyte was detected in the associated method and/or calibration blank.
Values Bolded are analytes not detected by the Lab but are above the (**TCLP**) Limit
Values Bold and Shade are concentrations that exceed the **TCLP** Limit

Data Validation Report

CTO 45 – DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
CH2M Hill Constructors, Inc.

SDG: 2504699 Date: 9/27/2006

Approved For Quality Assurance By:
Carolyn L. Robinson Date 10/26/06

eDATApro

Environmental Data Professional, LLC
6004 Perkins Road Suite A1 • Baton Rouge, LA 70808 • phone: 225-761-4264 • fax: 225-761-4266

Disclaimer:

The validation performed and reported herein is based on specifications and procedures presented to eDATApro with the associated data package. Any qualifications or review not specified with package requirements was based on direction and/or input from the CH2Mhill project Chemist.

Information contained in this report based solely on the hardcopy and/or electronic deliverables that were submitted to eDATApro. EDATApro reserves the rights to modify or change the validation report if new information is presented or if this report is determined to be inaccurate or incomplete.

eDATApro

Cover Letter

Validation Report Date: 9/27/2006

Lab Report Date: 9/14/2006

Contract Task Order (CTO) Number: 45

Project Name: DRMO Truman Annex – Key West, FL

Area: PCB & Lead Soil Delineation

Sample Delivery Group: 2504699

CTO Project Manager: Bethany Garvey

Data validation personnel: Dana Harper and Mike Stewart

Data Deliverables Included:

Validation Report:

____ Data Validation Report
- ____ Introduction
- ____ Data Validation Findings Summary
- ____ Table 1-1, Summary of Qualified Data
- ____ Appendix I – Qualified Laboratory Form 1s
- ____ Appendix II – Chain of Custody
- ____ Appendix III – Copies of completed checklists
- ____ EDD with applied data qualifiers

____ Data Validation Reference Package, including
- ____ Table 1-2, Acronyms and Abbreviation List
- ____ Table 1-3, Data Qualifier Reference Table
- ____ Table 1-4, Qualification Code Reference Table

Approval Signature: _____ Date: _____

INTRODUCTION:

CTO Number: 45
Project Name: DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
Laboratory: PEL Laboratories
Laboratory Package No.: 2504699
Matrix: Soil and Water QC

Environmental Data Professional, LLC (eDATApro) received one data package containing twenty-one field samples, two field duplicates, two equipment blank and one matrix spike/duplicate pair. These samples were validated utilizing CCl-approved checklists based on the Department of Defense Quality System Manual as part of the DOD QSM – Navy Installation Restoration Chemical Data Quality Manual (IRCDQM) and the project specific Scope of Work.

The following samples were reviewed:

Sample ID	Matrix	Lab ID	Parent Sample ID	Collection Date/Time	Analyses
45-B8-(0.5-2)-090606	Soil	250469901		9/6/2006 09:09	[1][2]
45-B4-(0-0.5)-090606	Soil	250469902		9/6/2006 09:00	[1][2]
45-B5-(0.5-2)-090606	Soil	250469903		9/6/2006 09:15	[1][2]
45-B9-(0-0.5)-090606	Soil	250469904		9/6/2006 09:18	[1][2]
45-B10-(0.5-2)-090606	Soil	250469905		9/6/2006 09:30	[1][2]
45-B6-(0-0.5)-090606	Soil	250469906		9/6/2006 09:35	[1][2]
45-K3-(0-0.5)-090606	Soil	250469907		9/6/2006 10:48	[1][2]
45-K8-(0.5-2)-090606	Soil	250469908		9/6/2006 11:01	[1][2]
45-K2-(0.5-2)-090606	Soil	250469909		9/6/2006 11:03	[1][2]
45-K9-(0-0.5)-090606	Soil	250469910		9/6/2006 11:05	[1][2]
45-K1-(0-0.5)-090606	Soil	250469911		9/6/2006 11:15	[1][2]
485-K10-(0.5-2)-090606	Soil	250469912		9/6/2006 11:20	[1][2]
485-K10-(0.5-2)-090606MS	Soil	250469913	485-K10-(0.5-2)-090606	9/6/2006 11:20	[1][2]
485-K10-(0.5-2)-090606MSD	Soil	250469914	485-K10-(0.5-2)-090606	9/6/2006 11:20	[1][2]
45-K7-(0-0.5)-090606	Soil	250469915		9/6/2006 11:26	[1][2]
45-K4-(0.5-2)-090606	Soil	250469916		9/6/2006 11:33	[1][2]
45-K6-(0.5-2)-090606	Soil	250469917		9/6/2006 11:42	[1][2]
45-K5-(0-0.5)-090606	Soil	250469918		9/6/2006 11:40	[1][2]
45-L1-(0-0.5)-090606	Soil	250469919		9/6/2006 14:20	[1][2]
45-L2-(0.5-2)-090606	Soil	250469920		9/6/2006 14:32	[1][2]
45-L4-(0.5-2)-090606	Soil	250469921		9/6/2006 14:26	[1][2]
45-L5-(0-0.5)-090606	Soil	250469922		9/6/2006 14:30	[1][2]
45-L3-(0-0.5)-090606	Soil	250469923		9/6/2006 14:39	[1][2]
45-B10-(0.5-2)-090606FD	Soil	250469924	45-B10-(0.5-2)-090606	9/6/2006	[1][2]

45-K1-(0.5-2)-090606FD	Soil	250469925		9/6/2006 11:21	[1][2]
EB-1-090606	Water	250469926		9/6/2006 15:00	[1][2]
EB-2-090606	Water	250469927		9/6/2006 15:10	[1][2]

Analyses Performed Codes:
[1] – Polychlorinated Biphenyls (PCBs) – SW-846 8082
[2] – Lead (total) – SW-846 7421

DATA VALIDATION FINDINGS SUMMARY

I. General Package:

Please note that project specific analyte lists and project specific reporting limits were not submitted with the validation package and accordingly, these items could not be evaluated during validation.

Please note that only a subset of the samples listed in the Chain-of-custody (COC) were submitted with analytical results in this data package. Many samples were noted as "Hold" on the COC. Accordingly, only the sample results contained in the data package were evaluated.

Please note that the parent sample for the field duplicate 45-K1-(0.5-2)-090606FD could not be found with this data package and accordingly, no evaluation was performed using this sample.

II. Executive Summary:

The findings of this quality assurance report are based upon the comprehensive review of the following data categories: chain of custody documentation, holding times, laboratory method and field blank analyses, surrogate compound recoveries, matrix spike compound recoveries and reproducibility, GCMS mass tuning results, initial and continuing calibration, second source recovery and internal standard area performance summaries, target compound identification, laboratory control sample results, laboratory and blind field duplicate sample results, detection limits/sensitivity, and electronic data deliverables.

The analyses were performed acceptably, but require several qualifying statements; it is recommended that the analytical data be used only with the qualifying statements provided below. Any aspects of the data, which are not discussed in this report, should be considered qualitatively and quantitatively valid as reported, based on the deliverables reviewed.

III. Organic Analyses:

- **PCBs – 8082**

  The sample 45-L3-(0-0.5)-090606 was reported with the surrogate Decachlorobiphenyl as above acceptance criteria. Since this sample was reported with a positive hit for Aroclor 1260, this result was qualified as estimated "J/S".

  The RPD reported between the matrix spike and matrix spike duplicate samples using the parent sample 485-K10-(0.5-2)-090606 was reported as outside acceptance criteria. Since recoveries in both samples and the control samples were within acceptance criteria, no qualification was warranted.

  Field duplicate results were evaluated between 45-B10-(0.5-2)-090606 and 45-B10-(0.5-2)-090606FD. No qualification warranting discrepancies were found.

IV. Inorganic Analyses:

- **Total Lead – 7421**

All of the samples (excluding 45-K4-(0.5-2)-090606) were analyzed using a 500 times dilution. The data package notes that this dilution was performed with the knowledge and consent of the client. Please note that this dilution is reflected in the reporting limits and may be more significant to those samples reported as "non-detect" at the elevated reporting limits. The excluded sample was analyzed at 1000 time dilution with appropriate reporting limits.

Please note that back calculation determined that the original, unadjusted reporting limit (without dilution, dry weight and sample weight) was 0.1 mg/Kg. This unadjusted reporting limit did not match the CRDL found on the laboratories form 10 but according to the laboratory, the reporting limits were negotiated with the client and are appropriate.

The matrix spike, matrix spike duplicate, and post digestion spike samples using the parent sample 45-B8-(0.5-2_-090606 and 45-K10-(0.5-2)-090606 were reported with percent recoveries of zero for Lead. Since the spike amount is very close to the RL after the dilution factors of the parent sample, no qualifications were warranted. The post digestion spike recoveries were within acceptance criteria.

The duplicate sample using the parent sample 45-K10-(0.5-2)-090606 was reported with a RPD above acceptance criteria. Since the parent sample was reported as non-detect, no qualification was warranted.

Field duplicate results were evaluated between 45-B10-(0.5-2)-090606 and 45-B10-(0.5-2)-090606FD. No qualification warranting discrepancies were found.

eDATApro

TABLE 1-1

SUMMARY OF QUALIFIED DATA

Target Compound	Sample(s) Affected	Qualifier	Qualification Code or Reason for Qualification
Aroclor-1260	45-L3-(0-0.5)-090606	J	S-Surrogate outside acceptance criteria.-

TABLE 1-2

ACRONYMS AND ABBREVIATIONS

%R – Percent Recovery

%D – Percent Difference

EDD – Electronic Data Deliverable

LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

QC – Quality Control

TABLE 1-3

DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicated the presence of an analyte for which there was presumptive evidence to make a "tentative identification"	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation. 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or not be present)
G	The analyte detected in the associated field, equipment, and/or trip blank.	The analyte detected in the associated field, equipment, and/or trip blank.
B	The analyte detected in the associated method and/or calibration blank	The analyte detected in the associated method and/or calibration blank

TABLE 1-4

QUALIFICATION CODE REFERENCE

Qualifier	Organics	Inorganics
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B8-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469901 Lab File ID: 699-1D10.D

Sample wt/vol: 33.14 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1209

PercentSolids: 90.1 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid B, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Rawfile
02 - Final Code
MJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120905 1308

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B4-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469902 Lab File ID: 699-2D10.D

Sample wt/vol: 33.17 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1235

PercentSolids: 82.6 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid B, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.36	U	U	
11096-82-5	Aroclor-1260	0.36	U		
11104-28-2	Aroclor-1221	0.18	U		
11141-16-5	Aroclor-1232	0.36	U		
53469-21-9	Aroclor-1242	0.18	U		
12672-29-6	Aroclor-1248	0.36	U		
11097-69-1	Aroclor-1254	0.36	U		

01 - Rev Dual
02 - Dual Col

ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1338

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B5-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469903 Lab File ID: 699-3D10.D

Sample wt/vol: 33.03 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1301

PercentSolids: 91.4 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid B, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	N	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01-Review1
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120606 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B9-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469904 Lab File ID: 699-4D10.D

Sample wt/vol: 33 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1327

PercentSolids: 88.6 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid B, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01-Review
02-Qual Code

ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1309

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B10-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469905 Lab File ID: 699-5D10.D

Sample wt/vol: 33.22 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1353

PercentSolids: 90.8 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid B, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Rev Qual
02 - Qual Code
MJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B6-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469906 Lab File ID: 699-6D10.D

Sample wt/vol: 33 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1419

PercentSolids: 87.2 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid B, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - ResQual
02 - QualCode
MD

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K3-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469907 Lab File ID: 699-7D10.D

Sample wt/vol: 33.05 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1445

PercentSolids: 89.5 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Res Qual
02 - Qual Code

ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120606 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K8-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469908 Lab File ID: 699-8D10.D

Sample wt/vol: 33.21 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1511

PercentSolids: 86.8 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01-Rev Qual
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120606 1339

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K2-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469909 Lab File ID: 699-9D10.D

Sample wt/vol: 33 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1542

PercentSolids: 88.4 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K9-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469910 Lab File ID: 69910D10.D

Sample wt/vol: 33.22 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1609

PercentSolids: 91 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120606 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K1-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469911 Lab File ID: 69911D10.D

Sample wt/vol: 33.18 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1833

PercentSolids: 90.3 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 – Raw Qual
02 – Qual Code
ND

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K10-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469912 Lab File ID: 69912D10.D

Sample wt/vol: 33.1 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1859

PercentSolids: 89.2 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	M	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - Review
02 - Qual Code
M

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K7-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469915 Lab File ID: 69915D10.D

Sample wt/vol: 33.05 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1351

PercentSolids: 91.1 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	N	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01-RevQual
02-QualCode
ML

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K4-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469916 Lab File ID: 69916D10.D

Sample wt/vol: 33.23 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1416

PercentSolids: 87.5 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - Review Qual
02 - Qual Code

ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K6-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469917 Lab File ID: 69917D10.D

Sample wt/vol: 33.11 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1442

PercentSolids: 89.3 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 – Review Qual
02 – Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120606 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K5-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469918 Lab File ID: 69918D10.D

Sample wt/vol: 33.27 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1508

PercentSolids: 91.1 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid K, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.21	J	J	
11104-28-2	Aroclor-1221	0.16	U	U	
11141-16-5	Aroclor-1232	0.33	U	|	
53469-21-9	Aroclor-1242	0.16	U	|	
12672-29-6	Aroclor-1248	0.33	U	|	
11097-69-1	Aroclor-1254	0.33	U	|	

01-Rev Dual
02-Dual Col
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120905 1339

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-L1-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469919 Lab File ID: 69919D10.D

Sample wt/vol: 33.02 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1546

PercentSolids: 90.4 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid L, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01-Reviewed
02-Qual Code
MJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120905 1328

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-L2-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469920 Lab File ID: 69920D10.D

Sample wt/vol: 33.13 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 2017

PercentSolids: 86.6 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid L, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01-RevQual
02-QualCode
ND

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-L4-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469921 Lab File ID: 69921D10.D

Sample wt/vol: 33.16 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1142

PercentSolids: 90.5 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid L, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 – RevDual
02 – Dual Csde
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-L5-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469922 Lab File ID: 69922D10.D

Sample wt/vol: 33.17 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1207

PercentSolids: 89.9 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid L, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Reviewal
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-L3-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469923 Lab File ID: 69923D10.D

Sample wt/vol: 33.16 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1233

PercentSolids: 90.2 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid L, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.1	J	J	S
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1338

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B10-(0.5-2)-090606FD

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469924 Lab File ID: 69924D10.D

Sample wt/vol: 33.18 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1259

PercentSolids: 91 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Field Duplicate Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 – Rev Qual
02 – Qual Code

ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120806 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-K1-(0.5-2)-090606FD

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469925 Lab File ID: 69925D10.D

Sample wt/vol: 33.13 Units: G Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/07/06

Level:(low/med) LOW Date Analyzed: 09/08/06 Time: 1325

PercentSolids: 87.5 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Field Duplicate Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - Rev Dual
02 - Dual Col
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120506 1339

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-1-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: WATER Lab Sample ID: 250469926 Lab File ID: 699-26.D

Sample wt/vol: 975 Units: ML Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/08/06

Level:(low/med) LOW Date Analyzed: 09/09/06 Time: 0655

PercentSolids: 0 decanted: Dilution Factor: 1

Extraction: SEPF Station ID: Equipment Blank Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.51	U	U	
11096-82-5	Aroclor-1260	0.51	U		
11104-28-2	Aroclor-1221	0.51	U		
11141-16-5	Aroclor-1232	0.51	U		
53469-21-9	Aroclor-1242	0.51	U		
12672-29-6	Aroclor-1248	0.51	U		
11097-69-1	Aroclor-1254	0.51	U		

01-Reviewed
02-Final Cole

mf

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

120906 1339

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-2-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: WATER Lab Sample ID 250469927 Lab File ID 699-27.D

Sample wt/vol: 980 Units: ML Date Received: 09/07/06

Concentrated Extract Volume: 10 Date Extracted: 09/08/06

Level:(low/med) LOW Date Analyzed: 09/09/06 Time: 0721

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID Equipment Blank Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.51	U	U	
11096-82-5	Aroclor-1260	0.51	U		
11104-28-2	Aroclor-1221	0.51	U		
11141-16-5	Aroclor-1232	0.51	U		
53469-21-9	Aroclor-1242	0.51	U		
12672-29-6	Aroclor-1248	0.51	U		
11097-69-1	Aroclor-1254	0.51	U		

01 - Rev Qual
02 - Qual Code

MV

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-B8-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469901

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 90.1 Station ID: Grid B, positio

CONCENTRATION UNITS: MG/KG

01 02

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	31.8	U		F

U

01 - Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

_____

_____

_____

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-B4-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469902

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 82.6 Station ID: Grid B, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	66.4			F

Q1 Q2

01 - Raw Qual
02 - Qual Code
mk

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120806 1349

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-B5-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469903

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 91.4 Station ID: Grid B, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	32.4	U		F		U

01 - Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120806 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-B9-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469904

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 88.6 Station ID: Grid B, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	34	U		F

01 02
4

01-Rev Qual
02-Qual Code
nl

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-B10-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469905

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 90.8 Station ID: Grid B, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33.2	U		F	U	

01 - Rev Qual
02 - Qual Code
M

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-B6-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469906

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 87.2 Station ID: Grid B, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	32.7	U		F		U

01 – Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

120606 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K3-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469907

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 89.5 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	28.5	U		F	4	

01-RevQual
02-Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K8-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469908

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 86.8 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33.2	U		F	4	

01-ReviewQual
02-QualCode
nd

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K2-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469909

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 88.4 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	32.8	U		F

01 02
U

01 - Lab Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120005 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K9-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469910

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 91 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	32.4	U		F	4	

01-ReviewQual,
02-QualCode

ml

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K1-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469911

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 90.3 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	191			F

01 02

01-ReRun
02-Qual Code
mf

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K10-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469912

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 89.2 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	32.5	U	*N	F	U	

01 – Rev Qual
02 – Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120206 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K7-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469915

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 91.1 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33	U		F		

01 - Rev Qual
02 - Qual Code

ml

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K4-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469916

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 87.5 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	1570			F

01 02

01 – Rev Qual
02 – Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K6-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469917

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 89.3 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	31.6	U		F	4	

01- Rev Qual
02- Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120606 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K5-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469918

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 91.1 Station ID: Grid K, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	32	U		F

01 02
4

01-ReviewLevel
02-Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-L1-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469919

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 90.4 Station ID: Grid L, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	31.5	U		F	N	

01-RevQual
02-QualCode
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-L2-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469920

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 86.6 Station ID: Grid L, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	33.8	U		F

01 02

4

01 - Revised
02 - Qual Code
nd

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120606 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-L4-(0.5-2)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469921

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 90.5 Station ID: Grid L, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	32.9	U		F	4	

01 - Revised
02 - Qual Code
MF

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-L5-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469922

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 89.9 Station ID: Grid L, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33.5	U		F	4	

01 - RevQual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

120806 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-L3-(0-0.5)-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469923

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 90.2 Station ID: Grid L, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	34.2	U		F	U	

01 – Reviewed
02 – Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1349

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-B10-(0.5-2)-090606FD

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469924

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 91 Station ID: Field Duplicate

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33.1	U		F		4

01 - Rep Dup
02 - Dup Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120006 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K1-(0.5-2)-090606FD

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: SOIL Lab Sample ID: 250469925

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 87.5 Station ID: Field Duplicate

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33.4	U		F	4	

01 - Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120906 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EB-1-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: WATER Lab Sample ID: 250469926

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 0 Station ID: Equipment Blank

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	1	U		F		N

01 - Rep Prep

02 - Prep Code

N

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

120806 1340

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-2-090606

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504699

Matrix: WATER Lab Sample ID 250469927

Level:(low/med) LOW Date Received: 9/7/2006

PercentSolids: 0 Station ID: Equipment Blank

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	1	U		F		N

01 - Rev Prel
02 - Prel Code
M

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

140906 506

2504699cm

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 082906-01
Page 1 of 1

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead only - 6010B	[25] SAMPLE TYPE (see codes on SOP)	[26] COMMENTS/ SCREENING READINGS	[27] LAB ID (for lab's use)
1	45-B8-(0-0.5)-090606	Grid B, position 8, shallow	S	09/06/06	9:07	C	14	1	N	HOLD	
2	45-B8-(0.5-2)-090606	Grid B, position 8, deep	S	09/06/06	9:09	C	14	1	N	48-hr prelim	01
3	45-B4-(0-0.5)-090606	Grid B, position 4, shallow	S	09/06/06	9:00	C	14	1	N	48-hr prelim	02
4	45-B4-(0.5-2)-090606	Grid B, position 4, deep	S	09/06/06	9:05	C	14	1	N	HOLD	
5	45-B5-(0-0.5)-090606	Grid B, position 5, shallow	S	09/06/06	9:13	C	14	1	N	HOLD	
6	45-B5-(0.5-2)-090606	Grid B, position 5, deep	S	09/06/06	9:15	C	14	1	N	48-hr prelim	03
7	45-B9-(0-0.5)-090606	Grid B, position 9, shallow	S	09/06/06	9:18	C	14	1	N	48-hr prelim	04
8	45-B9-(0.5-2)-090606	Grid B, position 9, deep	S	09/06/06	9:20	C	14	1	N	HOLD	
9	45-B10-(0-0.5)-090606	Grid B, position 10, shallow	S	09/06/06	9:27	C	14	1	N	HOLD	
10	45-B10-(0.5-2)-090606	Grid B, position 10, deep	S	09/06/06	9:30	C	14	1	N	48-hr prelim	05

[28] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[29] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 7928 4325 6172 and 7928 4325 6194

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Rec@ 4.7, 5oC pH<2 (6010)

[30] RELINQUISHED BY Printed Name and Signature:	DATE	TIME	[32] RECEIVED BY Printed Name and Signature:	DATE	TIME
Ronny Fields/Meredith Harris/CH2M HILL	9/6/2006	18:00	Fed Ex:7928 4325 6172 and 7928 4325 6194	9/6/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature: PEC	9/7/06	1015
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 2 - Project File; [ ] Copy 3 - PMO

Form CC1001, Rev 06/00

2504699

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2504699

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 082906-01

Page 2 of 15

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Numbers): PCB - 8082; Lead only - 6010B	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-B6-(0-0.5)-090606	Grid B, position 6, shallow	S	09/06/06	9:35	C	14	1	N	48-hr prelim	06
2	45-B6-(0.5-2)-090606	Grid B, position 6, deep	S	09/06/06	9:38	C	14	1	N	HOLD	
3	45-K3-(0-0.5)-090606	Grid K, position 3, shallow	S	09/06/06	10:48	C	14	1	N	48-hr prelim	07
4	45-K3-(0.5-2)-090606	Grid K, position 3, deep	S	09/06/06	10:51	C	14	1	N	HOLD	
5	45-K8-(0-0.5)-090606	Grid K, position 8, shallow	S	09/06/06	10:55	C	14	1	N	HOLD	
6	45-K8-(0.5-2)-090606	Grid K, position 8, deep	S	09/06/06	11:01	C	14	1	N	48-hr prelim	08
7	45-K2-(0-0.5)-090606	Grid K, position 2, shallow	S	09/06/06	10:57	C	14	1	N	HOLD	
8	45-K2-(0.5-2)-090606	Grid K, position 2, deep	SKH	09/06/06	11:03	C	14	1	N	48-hr prelim	09
9	45-K9-(0-0.5)-090606	Grid K, position 9, shallow	S	09/06/06	11:05	C	14	1	N	48-hr prelim	10
10	45-K9-(0.5-2)-090606	Grid K, position 9, deep	S	09/06/06	11:07	C	14	1	N	HOLD	

[29] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[30] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 7928 4325 6172 and 7928 4325 6194

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):

[32] RELINQUISHED BY	DATE	TIME	[32] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/6/2006	18:00	Printed Name and Signature: Fed Ex:7928 4325 6172 and 7928 4325 6194	9/6/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9/7/06	1015
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06/00

2504699

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2504699 on

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 082906-01
Page 1 of 5 pages

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[7] PROJECT CONTACT:	[7] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Number): PCB - 8082; Lead only - 6010B	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-K1-(0-0.5)-090606	Grid K, position 1, shallow	S	09/06/06	11:15	C	14	1	N	48-hr prelim	11
2	45-K1-(0.5-2)-090606	Grid K, position 1, deep	S	09/06/06	11:21	C	14	1	N	HOLD	
3	45-K10-(0-0.5)-090606	Grid K, position 10, shallow	S	09/06/06	11:17	C	14	1	N	HOLD	
4	45-K10-(0.5-2)-090606	Grid K, position 10, deep	S	09/06/06	11:20	C	14	2	N, MS, and MSD	48-hr prelim / MS and MSD	12,13,14
5	45-K7-(0-0.5)-090606	Grid K, position 7, shallow	S	09/06/06	11:26	C	14	1	N	48-hr prelim	15
6	45-K7-(0.5-2)-090606	Grid K, position 7, deep	S	09/06/06	11:34	C	14	1	N	HOLD	
7	45-K4-(0-0.5)-090606	Grid K, position 4, shallow	S	09/06/06	11:30	C	14	1	N	HOLD	
8	45-K4-(0.5-2)-090606	Grid K, position 4, deep	SX MH	09/06/06	11:33	C	14	1	N	48-hr prelim	16
9	45-K6-(0-0.5)-090606	Grid K, position 6, shallow	S	09/06/06	11:37	C	14	1	N	HOLD	
10	45-K6-(0.5-2)-090606	Grid K, position 6, deep	S	09/06/06	11:42	C	14	1	N	48-hr prelim	17

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 7928 4325 6172 and 7928 4325 6194	

[32] RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	[33] RECEIVED BY: Printed Name and Signature:	DATE	TIME
Ronny Fields/Meredith Harris/CH2M Hill	9/6/2006	18:00	Fed Ex:7928 4325 6172 and 7928 4325 6194	9/6/2006	18:00
Fed Ex			[illegible]	9/7/06	1015

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Form CC1001, Rev 06 00

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CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - DB290-PH
Page 1 of 1

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Numbers): PCB - 8082; Lead only - 6010B	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-K5-(0-0.5)-090606	Grid K, position 1, shallow	S	09/06/06	11:40	C	14	1	N	48-hr prelim	18
2	45-K5-(0.5-2)-090606	Grid K, position 1, deep	S	09/06/06	11:45	C	14	1	N	HOLD	
3	45-L1-(0-0.5)-090606	Grid L, position 1, shallow	S	09/06/06	14:20	C	14	1	N	48-hr prelim	19
4	45-L1-(0.5-2)-090606	Grid L, position 1, deep	S	09/06/06	14:24	C	14	1	N	HOLD	
5	45-L2-(0-0.5)-090606	Grid L, position 2, shallow	S	09/06/06	14:28	C	14	1	N	HOLD	
6	45-L2-(0.5-2)-090606	Grid L, position 2, deep	S	09/06/06	14:32	C	14	1	N	48-hr prelim	20
7	45-L4-(0-0.5)-090606	Grid L, position 4, shallow	S	09/06/06	14:23	C	14	1	N	HOLD	
8	45-L4-(0.5-2)-090606	Grid L, position 4, deep	S	09/06/06	14:26	C	14	1	N	48-hr prelim	21
9	45-L5-(0-0.5)-090606	Grid L, position 5, shallow	S	09/06/06	14:30	C	14	1	N	48-hr prelim	22
10	45-L5-(0.5-2)-090606	Grid L, position 5, deep	S	09/06/06	14:35	C	14	1	N	HOLD	

[29] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[30] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 7928 4325 6172 and 7928 4325 6194

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):

[32] RELINQUISHED BY Printed Name and Signature:	DATE	TIME	[33] RECEIVED BY Printed Name and Signature:	DATE	TIME
Ronny Fields/Meredith Harris/CH2M HILL	9/6/2006	18:00	Fed Ex;7928 4325 6172 and 7928 4325 6194	9/6/2006	18:00
Fed Ex				9/7/06	1015

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CH2MHILL Constructors, Inc

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - [illegible] Page 1 of 2

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[12] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PBL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[14] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 43	806395	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[15] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SOF)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOF)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Numbers): PCB - 8082; Lead only - 6010B	DC13 (also Sept 27) Lead only									[26] SAMPLE TYPE (see codes on SOF)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-L3-(0-0.5)-090606	Grid L, position 3, shallow	S	09/06/06	14:39	C	14	1										N	48-hr prelim	23
2	45-L3-(0.5-2)-090606	Grid L, position 3, deep	S	09/06/06	14:45	C	14	1										N	HOLD	
3	45-B10-(0.5-2)-090606FD	Field Duplicate	S	09/06/06	--	C	14	1										FD	48-hr prelim	24
4	EB-1-090606	Equipment Blank	W	09/06/06	15:00	C	14	1	1									EB	48-hr prelim	26
5	EB-2-090606	Equipment Blank	W	09/06/06	15:10	C	14	1	1									EB	48-hr prelim	27
6	45-K1(0.5-2)-090606 By Field Dup		S	09/06/06	0121	C	14	1										N	Hold 48-hr prelims 09/9-13-06	25
7																				
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[30] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 7928 4325 6172 and 7928 4325 6194

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab use):

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/6/2006	18:00	Printed Name and Signature: Fed Ex 7928 4325 6172 and 7928 4325 6194	9/6/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9/7/06	1015
Printed Name and Signature:			Printed Name and Signature:		

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Data Validation Report

CTO 45 – DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
CH2M Hill Constructors, Inc.

SDG: 2504774 Date: 10/23/2006

Approved For Quality Assurance By:
Camden L. Peterson Date 10/26/06

eDATApro

Environmental Data Professional, LLC
6004 Perkins Road Suite A1 • Baton Rouge, LA 70808 • phone: 225-761-4264 • fax: 225-761-4266

Disclaimer:

The validation performed and reported herein is based on specifications and procedures presented to eDATApro with the associated data package. Any qualifications or review not specified with package requirements was based on direction and/or input from the CH2Mhill project Chemist.

Information contained in this report based solely on the hardcopy and/or electronic deliverables that were submitted to eDATApro. EDATApro reserves the rights to modify or change the validation report if new information is presented or if this report is determined to be inaccurate or incomplete.

eDATApro

Cover Letter

Validation Report Date: 10/23/2006

Lab Report Date: 10/12/2006

Contract Task Order (CTO) Number: 45

Project Name: DRMO Truman Annex – Key West, FL

Area: PCB & Lead Soil Delineation

Sample Delivery Group: 2504774

CTO Project Manager: Bethany Garvey

Data validation personnel: Dana Harper and Mike Stewart

Data Deliverables Included:

Validation Report:

____ Data Validation Report
- ____ Introduction
- ____ Data Validation Findings Summary
- ____ Table 1-1, Summary of Qualified Data
- ____ Appendix I – Qualified Laboratory Form 1s
- ____ Appendix II – Chain of Custody
- ____ Appendix III – Copies of completed checklists
- ____ EDD with applied data qualifiers

____ Data Validation Reference Package, including
- ____ Table 1-2, Acronyms and Abbreviation List
- ____ Table 1-3, Data Qualifier Reference Table
- ____ Table 1-4, Qualification Code Reference Table

Approval Signature: _____ Date: _____

INTRODUCTION:

CTO Number: 45
Project Name: DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
Laboratory: PEL Laboratories
Laboratory Package No.: 2504774
Matrix: Soil and Water QC

Environmental Data Professional, LLC (eDATApro) received one data package containing eight field samples. These samples were validated utilizing CCI-approved checklists based on the Department of Defense Quality System Manual as part of the DOD QSM – Navy Installation Restoration Chemical Data Quality Manual (IRCDQM) and the project specific Scope of Work.

The following samples were reviewed:

Sample ID	Matrix	Lab ID	Parent Sample ID	Collection Date/Time	Analyses
45-G1(0-0.5)-091506	Soil	250477401			[1]
45-G2(0-0.5)-091506	Soil	250477402			[1][2]
45-G4(0-0.5)-091506	Soil	250477404			[1][2]
45-G6(0-0.5)-091506	Soil	250477406			[1][2]
45-G10(0-0.5)-091506	Soil	250477410			[1][2]
45-H3(0-0.5)-091506	Soil	250477413			[1][2]
45-H4(0-0.5)-091506	Soil	250477414			[1][2]
45-H10(0-0.5)-091506	Soil	250477420			[1][2]

Analyses Performed Codes:
[1] – Polychlorinated Biphenyls (PCBs) – SW-846 8082
[2] – Lead (total) – SW-846 7421

DATA VALIDATION FINDINGS SUMMARY

I. General Package:

Please note that project specific analyte lists and project specific reporting limits were not submitted with the validation package and accordingly, these items could not be evaluated during validation.

Please note that only a subset of the samples listed in the Chain-of-custody (COC) were submitted with analytical results in this data package. Many samples were noted as "Hold" on the COC. Accordingly, only the sample results contained in the data package were evaluated.

Please note that the laboratory narrative noted 20 samples received but only 8 samples were analyzed and reported. No communications were found in this data package noting which samples were to be reported and which analyses were to be performed. Accordingly, only the data submitted for these eight samples was reviewed.

II. Executive Summary:

The findings of this quality assurance report are based upon the comprehensive review of the following data categories: chain of custody documentation, holding times, laboratory method and field blank analyses, surrogate compound recoveries, matrix spike compound recoveries and reproducibility, GCMS mass tuning results, initial and continuing calibration, second source recovery and internal standard area performance summaries, target compound identification, laboratory control sample results, laboratory and blind field duplicate sample results, detection limits/sensitivity, and electronic data deliverables.

The analyses were performed acceptably, but require several qualifying statements; it is recommended that the analytical data be used only with the qualifying statements provided below. Any aspects of the data, which are not discussed in this report, should be considered qualitatively and quantitatively valid as reported, based on the deliverables reviewed.

III. Organic Analyses:

- **PCBs – 8082**

  All of the samples were diluted by a factor of ten as noted by an agreed upon dilution between the laboratory and CH2M Hill. This dilution was cause for several surrogate recovery non-conformances but did not warrant any qualification. Reporting limits were correctly adjusted.

  When positive hits were confirmed on both columns and the %D between these columns was acceptable, the higher of the two values was correctly reported. When the %D was not acceptable, the lower of the two values was reported. The sample 45-G4(0-0.5)-091506 was reported with a %D of 120% and accordingly, was qualified as estimated "J/P".

IV. Inorganic Analyses:

- **Total Lead – 7421**

All of the samples were analyzed using a 100 times dilution. The data package notes that this dilution was performed with the knowledge and consent of the client. Please note that this dilution is reflected in the reporting limits and may be more significant to those samples reported as "non-detect" at the elevated reporting limits.

Please note that back calculation determined that the original, unadjusted reporting limit (without dilution, dry weight and sample weight) was 0.1 mg/Kg. This unadjusted reporting limit did not match the CRDL found on the laboratories form 10 but according to the laboratory, the reporting limits were negotiated with the client and are appropriate.

Please note that no matrix spike analyses were associated with this data set. Accordingly, no evaluation of matrix affect could be performed.

The serial dilution using sample 45-G2(0-0.5)-091506 was reported with a % difference value greater than acceptance limits. Accordingly, the parent sample was qualified as estimated "J/A".

The CCB proceeding the field sample analyses was reported with a positive hit for lead between the MDL and the RL. Accordingly, the positive results reported for the field samples were qualified as "B/MB".

eDATApro

TABLE 1-1

SUMMARY OF QUALIFIED DATA

Target Compound	Sample(s) Affected	Qualifier	Qualification Code or Reason for Qualification
Aroclor-1260	45-G4(0-0.5)-091506	J	P- Dual Column Confirmation %D >40%
Lead	45-G2(0-0.5)-091506	JB	A - ICP Serial Dilution %D were not within control limits. MB- Presumed contamination from preparation (method) blank or calibration blank.
Lead	45-G4(0-0.5)-091506 45-H4(0-0.5)-091506	JB	MB- Presumed contamination from preparation (method) blank or calibration blank.
Lead	45-G6(0-0.5)-091506 45-G10(0-0.5)-091506	B	MB- Presumed contamination from preparation (method) blank or calibration blank.

TABLE 1-2

ACRONYMS AND ABBREVIATIONS

%R – Percent Recovery

%D – Percent Difference

EDD – Electronic Data Deliverable

LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

QC – Quality Control

TABLE 1-3

DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicated the presence of an analyte for which there was presumptive evidence to make a "tentative identification"	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation. 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or not be present)
G	The analyte detected in the associated field, equipment, and/or trip blank.	The analyte detected in the associated field, equipment, and/or trip blank.
B	The analyte detected in the associated method and/or calibration blank	The analyte detected in the associated method and/or calibration blank

TABLE 1-4

QUALIFICATION CODE REFERENCE

Qualifier	Organics	Inorganics
P	Instrument performance for pesticides was poor. Dual column confirmation %D > 40%.	Poor Digestion Spike recovery was not within control limits.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
MB	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) blank or calibration blank.

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-G2(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477402

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 86.6 Station ID: Grid G, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	231		E	P	JB	A, MB

01 - Reviewed
02 - Qual Code
MJ

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

121005 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-G4(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477404

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 91.1 Station ID: Grid G, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	32.8	J		P	JB	mB

01-RevQual
02-Qual Code
mB

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

121006 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-G6(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477406

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 88.3 Station ID: Grid G, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	75.2			P	B	mB

01 - Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

121006 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-G10(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477410

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 93.3 Station ID: Grid G, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	132			P	B	mB

01 - Rev Dupl
02 - Dupl Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

121005 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-H3(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477413

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 91.4 Station ID: Grid H, positio

CONCENTRATION UNITS: *MG/KG*

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	29.6	U		P

01 02

N

01 – Rev Qual

02 – Qual Code

N

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

121006 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-H4(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477414

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 94.1 Station ID: Grid H, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	13.5	J		P	JB	mB

01_RevQual
02-QualCode
ml

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

121006 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-H10(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477420

Level:(low/med) LOW Date Received: 9/16/2006

PercentSolids: 92.1 Station ID: Grid H, positio

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	32.4	U		P

01 02

4

01 - Rerun

02 - 2nd Cook

ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

121006 1137

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-G1(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477401 Lab File ID: 774-1.D

Sample wt/vol: 15.1 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/05/06 Time: 0324

PercentSolids: 87.3 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid G, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	D1	D2
12674-11-2	Aroclor-1016	0.34	U	N	
11096-82-5	Aroclor-1260	0.73			
11104-28-2	Aroclor-1221	0.17	U	N	
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

D1-Review
D2-Dual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-G2(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477402 Lab File ID: 774-2.D

Sample wt/vol: 15.21 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/05/06 Time: 0350

PercentSolids: 86.6 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid G, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01 02
12674-11-2	Aroclor-1016	0.34	U	N
11096-82-5	Aroclor-1260	1.7		
11104-28-2	Aroclor-1221	0.17	U	N
11141-16-5	Aroclor-1232	0.34	U	
53469-21-9	Aroclor-1242	0.17	U	
12672-29-6	Aroclor-1248	0.34	U	
11097-69-1	Aroclor-1254	0.34	U	

01 - Rev 2nd
02 - 2nd Code
N

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

121006 1137

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-G4(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477404 Lab File ID: 774-4.D

Sample wt/vol: 15.27 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/09/06 Time: 0004

PercentSolids: 91.1 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid G, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.32	U	U	
11096-82-5	Aroclor-1260	0.11	JP	J	P
11104-28-2	Aroclor-1221	0.16	U	U	
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

121006 1137

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-G6(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477406 Lab File ID: 774-6.D

Sample wt/vol: 15.24 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/09/06 Time: 0030

PercentSolids: 88.3 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid G, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	Q	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Review
02 - Qual Code

NJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-G10(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477410 Lab File ID: 774-10.D

Sample wt/vol: 15.1 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/05/06 Time: 0417

PercentSolids: 93.3 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid G, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	Q	01	02
12674-11-2	Aroclor-1016	0.32	U	4	
11096-82-5	Aroclor-1260	2.2			
11104-28-2	Aroclor-1221	0.16	U	4	
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01 - Rev Qual
02 - Qual Code
Nd

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-H3(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477413 Lab File ID: 774-13.D

Sample wt/vol: 15.15 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/09/06 Time: 0254

PercentSolids: 91.4 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid H, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.32	U	4	
11096-82-5	Aroclor-1260	0.32	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

121006 1137

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-H4(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477414 Lab File ID: 774-14.D

Sample wt/vol: 15.16 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/09/06 Time: 0320

PercentSolids: 94.1 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid H, positio Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.32	U	4	
11096-82-5	Aroclor-1260	0.32	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01 - Rev Qual
02 - Qual Cde
M

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

121006 1137

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-H10(0-0.5)-091506

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504774

Matrix: SOIL Lab Sample ID: 250477420 Lab File ID: 774-20.D

Sample wt/vol: 15.04 Units: G Date Received: 09/16/06

Concentrated Extract Volume: 10 Date Extracted: 09/28/06

Level:(low/med) LOW Date Analyzed: 10/09/06 Time: 0346

PercentSolids: 92.1 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid H, positio Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.32	U	4	
11096-82-5	Aroclor-1260	0.32	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01-Reviewed
02-Dup Code
nd

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

121006 1137

Form I

2504774 on

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 08 (Page 1 of 5)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.)
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 303-46 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Numbers) PCB - 8082; Lead only - 6010B	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-G1(0-0.5)-091506	Grid G, position 1, shallow	S	09/15/06	8:12	C	14	1	N	HOLD	01
2	45-G1(0.5-2)-091506	Grid G, position 1, deep	S	09/15/06	8:15	C	14	1	N	48-hr prelim	
3	45-G2(0-0.5)-091506	Grid G, position 2, shallow	S	09/15/06	8:19	C	14	1	N	HOLD	02
4	45-G2(0.5-2)-091506	Grid G, position 2, deep	S	09/15/06	8:22	C	14	1	N	48-hr prelim	
5	45-G3(0-0.5)-091506	Grid G, position 3, shallow	S	09/15/06	8:25	C	14	1	N	HOLD	03
6	45-G3(0.5-2)-091506	Grid G, position 3, deep	S	09/15/06	8:28	C	14	1	N	48-hr prelim	
7	45-G4(0-0.5)-091506	Grid G, position 4, shallow	S	09/15/06	8:46	C	14	1	N	HOLD	04
8	45-G4(0.5-2)-091506	Grid G, position 4, deep	S	09/15/06	8:49	C	14	3	N, MS, and MSD	48-hr prelim	
9	45-G5(0-0.5)-091506	Grid G, position 5, shallow	S	09/15/06	8:41	C	14	1	N	HOLD	05
10	45-G5(0.5-2)-091506	Grid G, position 5, deep	S	09/15/06	8:44	C	14	1	N	48-hr prelim	

[29] SAMPLER(S) AND COMPANY (please print)
Ronny Fields/Meredith Harris/CH2M HILL

Fed Ex Number: 8573 2250 7208 (2 coolers)

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)

[30] RELINQUISHED BY	DATE	TIME	[32] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/15/2006	18:00	Printed Name and Signature: Fed Ex: 8573 2250 7208 (2 Coolers)	9/15/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9.16.06	9:30
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File, [ ] Copy 2 - PMO

Form CC7001, Rev 06 00

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CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182
Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 34116Z - 08 (Page 2 of 5)

[2] PROJECT NAME	[3] PROJECT NUMBER	[4] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK	[6] CTO OR DO NUMBER	[7] LAB TO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT	[9] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead - 6010B									[25] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-G6(0-0.5)-091506	Grid G, position 6, shallow	S	09/15/06	8:37	C	14	1									N	HOLD	06
2	45-G6(0.5-2)-091506	Grid G, position 6, deep	S	09/15/06	8:39	C	14	1									N	48-hr prelim	
3	45-G7(0-0.5)-091506	Grid G, position 7, shallow	S	09/15/06	8:30	C	14	1									N	HOLD	07
4	45-G7(0.5-2)-091506	Grid G, position 7, deep	S	09/15/06	8:34	C	14	1									N	48-hr prelim	
5	45-G8(0-0.5)-091506	Grid G, position 8, shallow	S	09/15/06	8:55	C	14	1									N	48-hr prelim	
6	45-G8(0.5-2)-091506	Grid G, position 8, deep	S	09/15/06	8:58	C	14	1									N	HOLD	08
7	45-G9(0-0.5)-091506	Grid G, position 9, shallow	S	09/15/06	9:01	C	14	1									N	HOLD	09
8	45-G9(0.5-2)-091506	Grid G, position 9, deep	S	09/15/06	9:04	C	14	1									N	48-hr prelim	
9	45-G10(0-0.5)-091506	Grid G, position 10, shallow	S	09/15/06	9:06	C	14	1									N	HOLD	10
10	45-G10(0.5-2)-091506	Grid G, position 10, deep	S	09/15/06	9:09	C	14	1									N	48-hr prelim	

[26] SAMPLER(S) AND COMPANY (please print)	[29] COURIER AND SHIPPING NUMBER	[30] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7208 (2 coolers)	

[31] RELINQUISHED BY	DATE	TIME	[32] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/15/2006	18:00	Printed Name and Signature: Fed Ex: 8573 2250 7208 (2 Coolers)	9/15/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9.16.06	9:30
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PATO

Form CC1001, Rev 06.00

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2504774 CM

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No. (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 08 (Page 3 of 5)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[5] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[6] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[7] PROJECT PHASE/SITE/TASK:	[8] CTO OR DO NUMBER:	[9] LAB PO NUMBER:	[10] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[11] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[12] PROJECT CONTACT:	[13] PROJECT TEL NO AND FAX NO:	[14] LAB TEL NO AND FAX NO:	[15] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.)
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2808 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Numbers): PCB - 8082; Lead only - 6010B	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-H1(0-0.5)-091506	Grid H, position 1, shallow	S	09/15/06	10:30	C	14	1	N	48-hr prelim	
2	45-H1(0.5-2)-091506	Grid H, position 1, deep	S	09/15/06	10:33	C	14	1	N	HOLD	11
3	45-H2(0-0.5)-091506	Grid H, position 2, shallow	S	09/15/06	10:37	C	14	1	N	HOLD	12
4	45-H2(0.5-2)-091506	Grid H, position 2, deep	S	09/15/06	10:40	C	14	1	N	48-hr prelim	
5	45-H3(0-0.5)-091506	Grid H, position 3, shallow	S	09/15/06	10:44	C	14	1	N	HOLD	13
6	45-H3(0.5-2)-091506	Grid H, position 3, deep	S	09/15/06	10:48	C	14	2	N, MS, and MSD	48-hr prelim	
7	45-H4(0-0.5)-091506	Grid H, position 4, shallow	S	09/15/06	11:14	C	14	1	N	HOLD	14
8	45-H4(0.5-2)-091506	Grid H, position 4, deep	S	09/15/06	11:17	C	14	1	N	48-hr prelim	
9	45-H5(0-0.5)-091506	Grid H, position 5, shallow	S	09/15/06	11:08	C	14	1	N	HOLD	15
10	45-H5(0.5-2)-091506	Grid H, position 5, deep	S	09/15/06	11:11	C	14	1	N	48-hr prelim	

[29] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[30] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 8573 2250 7208 (2 coolers)

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/15/2006	18:00	Printed Name and Signature: Fed Ex: 8573 2250 7208 (2 Coolers)	9/15/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9-16-06	930
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report), [ ] Copy 1 - Project File, [ ] Copy 2 - PMO

Form CC100, Rev 06 00

2504774 on

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No. (770) 604-9182
Fax No. (770) 604-9182

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 08 (Page 4 of 5)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[10] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kenn White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[11] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO	[13] LAB TEL NO AND FAX NO	[12] FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead only - 6010	[25] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-H6(0-0.5)-091506	Grid H, position 6, shallow	S	09/15/06	11:03	C	14	1	N	48-hr prelim	
2	45-H6(0.5-2)-091506	Grid H, position 6, deep	S	09/15/06	11:06	C	14	1	N	HOLD	16
3	45-H7(0-0.5)-091506	Grid H, position 7, shallow	S	09/15/06	10:53	C	14	1	N	HOLD	17
4	45-H7(0.5-2)-091506	Grid H, position 7, deep	S	09/15/06	10:57	C	14	1	N	48-hr prelim	
5	45-H8(0-0.5)-091506	Grid H, position 8, shallow	S	09/15/06	11:19	C	14	1	N	48-hr prelim	
6	45-H8(0.5-2)-091506	Grid H, position 8, deep	S	09/15/06	11:21	C	14	1	N	HOLD	18
7	45-H9(0-0.5)-091506	Grid H, position 9, shallow	S	09/15/06	11:23	C	14	1	N	HOLD	19
8	45-H9(0.5-2)-091506	Grid H, position 9, deep	S	09/15/06	11:24	C	14	1	N	48-hr prelim	
9	45-H10(0-0.5)-091506	Grid H, position 10, shallow	S	09/15/06	11:27	C	14	1	N	HOLD	20
10	45-H10(0.5-2)-091506	Grid H, position 10, deep	S	09/15/06	11:30	C	14	1	N	48-hr prelim	

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for Lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7208 (2 coolers)	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/15/2006	18:00	Printed Name and Signature: Fed Ex 8573 2250 7208 (2 Coolers)	9/15/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature: [illegible] PEZ	9.16.06	930
Printed Name and Signature:			Printed Name and Signature:		

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CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 08 (Page 5 of 5)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[12] RECIPIENT 1 (Address, Tel No. , and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[13] FAX AND MAIL REPORTS/EDD TO.: RECIPIENT 2 (Name and Company)	[14] RECIPIENT 2 (Address, Tel No. , and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO.	[15] FAX AND MAIL REPORTS/EDD TO.: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	[25] ANALYSES REQUIRED (Include Method Numbers) PCB - 8082; Lead only - 6010B										[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1																				
2																				
3	45-FD-27-091506	Field Duplicate	S	09/15/06	--	C	14	1										FD	48-hr prelim	
4	45-FD-28-091506	Field Duplicate	S	09/15/06	--	C	14	1										FD	48-hr prelim	
5	45-FD-29-091506	Field Duplicate	S	09/15/06	--	C	14	1										FD	48-hr prelim	
6	45-FD-30-091506	Field Duplicate	S	09/15/06	--	C	14	1										FD	48-hr prelim	
7	EB-19-091506	Equipment Blank	W	09/15/06	8:00	C	14	2										EB	48-hr prelim	
8	EB-20-091506	Equipment Blank	W	09/15/06	10:00	C	14	2										EB	48-hr prelim	
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[30] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 8573 2250 7208 (2 coolers)

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/15/2006	18:00	Printed Name and Signature: Fed Ex: 8573 2250 7208 (2 Coolers)	09/15/06	
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9.16.06	930
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File [ ] Copy 2 - PMO

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Data Validation Report

CTO 45 – DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
CH2M Hill Constructors, Inc.

SDG: 2504789 Date: 10/12/2006

Approved For Quality Assurance By:
Camden L. Robinson Date 10/26/06

eDATApro

Environmental Data Professional, LLC
6004 Perkins Road Suite A1 • Baton Rouge, LA 70808 • phone: 225-761-4264 • fax: 225-761-4266

Disclaimer:

The validation performed and reported herein is based on specifications and procedures presented to eDATApro with the associated data package. Any qualifications or review not specified with package requirements was based on direction and/or input from the CH2Mhill project Chemist.

Information contained in this report based solely on the hardcopy and/or electronic deliverables that were submitted to eDATApro. EDATApro reserves the rights to modify or change the validation report if new information is presented or if this report is determined to be inaccurate or incomplete.

eDATApro

Cover Letter

Validation Report Date: 10/12/2006

Lab Report Date: 10/5/2006

Contract Task Order (CTO) Number: 45

Project Name: DRMO Truman Annex – Key West, FL

Area: PCB & Lead Soil Delineation

Sample Delivery Group: 2504789

CTO Project Manager: Bethany Garvey

Data validation personnel: Dana Harper and Mike Stewart

Data Deliverables Included:

Validation Report:

_____ Data Validation Report
- _____ Introduction
- _____ Data Validation Findings Summary
- _____ Table 1-1, Summary of Qualified Data
- _____ Appendix I – Qualified Laboratory Form 1s
- _____ Appendix II – Chain of Custody
- _____ Appendix III – Copies of completed checklists
- _____ EDD with applied data qualifiers

_____ Data Validation Reference Package, including
- _____ Table 1-2, Acronyms and Abbreviation List
- _____ Table 1-3, Data Qualifier Reference Table
- _____ Table 1-4, Qualification Code Reference Table

Approval Signature: _____ Date: _____

INTRODUCTION:

CTO Number: 45
Project Name: DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
Laboratory: PEL Laboratories
Laboratory Package No.: 2504789
Matrix: Soil and Water QC

Environmental Data Professional, LLC (eDATApro) received one data package containing twenty-two field samples, four field duplicates, three equipment blanks and 2 pairs of matrix spike/spike duplicate samples. These samples were validated utilizing CCI-approved checklists based on the Department of Defense Quality System Manual as part of the DOD QSM – Navy Installation Restoration Chemical Data Quality Manual (IRCDQM) and the project specific Scope of Work.

The following samples were reviewed:

Sample ID	Matrix	Lab ID	Parent Sample ID	Collection Date/Time	Analyses
45-R1(0.5-2)-091906	Soil	250478901		9/19/2006 22:30	[1][2]
45-R2(0.5-2)-091906	Soil	250478902		9/19/2006 10:25	[1][2]
45-R3(0.5-2)-091906	Soil	250478903		9/19/2006 10:21	[1][2]
45-R4(0.5-2)-091906	Soil	250478904		9/19/2006 09:46	[1][2]
45-R5(0.5-2)-091906	Soil	250478905		9/19/2006 09:51	[1][2]
45-R5(0.5-2)-091906MS	Soil	250478906	45-R5(0.5-2)-091906	9/19/2006 09:51	[1][2]
45-R5(0.5-2)-091906MSD	Soil	250478907	45-R5(0.5-2)-091906	9/19/2006 09:51	[1][2]
45-R6(0.5-2)-091906	Soil	250478908		9/19/2006 09:57	[1][2]
45-R7(0.5-2)-091906	Soil	250478909		9/19/2006 10:03	[1][2]
45-R8(0-0.5)-091906	Soil	250478910		9/19/2006 09:25	[1][2]
45-R9(0.5-2)-091906	Soil	250478911		9/19/2006 09:33	[1][2]
45-R10(0.5-2)-091906	Soil	250478912		9/19/2006 09:39	[1][2]
45-X1(0-0.5)-091906	Soil	250478913		9/19/2006 14:08	[1][2]
45-X2(0.5-2)-091906	Soil	250478914		9/19/2006 14:07	[1][2]
45-X3(0-0.5)-091906	Soil	250478915		9/19/2006 13:58	[1][2]
45-X4(0.5-2)-091906	Soil	250478916		9/19/2006 13:01	[1][2]
45-X4(0.5-2)-091906MS	Soil	250478917	45-X4(0.5-2)-091906	9/19/2006 13:01	[1][2]
45-X4(0.5-2)-091906MSD	Soil	250478918	45-X4(0.5-2)-091906	9/19/2006 13:01	[1][2]
45-X5(0.5-2)-091906	Soil	250478919		9/19/2006 13:07	[1][2]
45-X6(0-0.5)-091906	Soil	250478920		9/19/2006 13:10	[1][2]
45-X7(0.5-2)-091906	Soil	250478921		9/19/2006 13:18	[1][2]
45-X8(0-0.5)-091906	Soil	250478922		9/19/2006 12:51	[1][2]
45-X9(0.5-2)-091906	Soil	250478923		9/19/2006 12:47	[1][2]
45-X10(0.5-2)-091906	Soil	250478924		9/19/2006 12:42	[1][2]

45-R11(0.5-2)-091906	Soil	250478925		9/19/2006 10:15	[1][2]
45-R12(0-0.5)-091906	Soil	250478926		9/19/2006 10:08	[1][2]
45-FD-35-091906	Soil	250478927	45-R8(0-0.5)-091906	9/19/2006	[1][2]
45-FD-36-091906	Soil	250478928	45-R12(0-0.5)-091906	9/19/2006	[1][2]
45-FD-37-091906	Soil	250478929	45-X10(0.5-2)-091906	9/19/2006	[1][2]
45-FD-38-091906	Soil	250478930	45-X3(0-0.5)-091906	9/19/2006	[1][2]
EB-23-091906	Water	250478931		9/19/2006 09:00	[1][2]
EB-24-091906	Water	250478932		9/19/2006 12:35	[1][2]
EB-25-091906	Water	250478933		9/19/2006 14:20	[1][2]

Analyses Performed Codes:
[1] – Polychlorinated Biphenyls (PCBs) – SW-846 8082
[2] – Lead (total) – SW-846 6010

DATA VALIDATION FINDINGS SUMMARY

General Package:
Please note that project specific analyte lists and project specific reporting limits were not submitted with the validation package and accordingly, these items could not be evaluated during validation.

Please note that only a subset of the samples listed in the Chain-of-custody (COG) were submitted with analytical results in this data package. Many samples were noted as "Hold" on the COC. Accordingly, only the sample results contained in the data package were evaluated.

II. Executive Summary:

The findings of this quality assurance report are based upon the comprehensive review of the following data categories: chain of custody documentation, holding times, laboratory method and field blank analyses, surrogate compound recoveries, matrix spike compound recoveries and reproducibility, GCMS mass tuning results, initial and continuing calibration, second source recovery and internal standard area performance summaries, target compound identification, laboratory control sample results, laboratory and blind field duplicate sample results, detection limits/sensitivity, and electronic data deliverables.

The analyses were performed acceptably, but require several qualifying statements; it is recommended that the analytical data be used only with the qualifying statements provided below. Any aspects of the data, which are not discussed in this report, should be considered qualitatively and quantitatively valid as reported, based on the deliverables reviewed.

III. Organic Analyses: •

PCBs-8082

The LCS and LCSD samples associated with the water batch (equipment blanks) were both reported with the surrogate Decachlorobiphenyl as above acceptance criteria. Since all of the associated water samples were reported as non-detect, no qualification was warranted.

All of the field samples (soils) were analyzed at a ten time dilutions. These dilutions were noted in the data package as agreed upon by the client and that all reporting limits were still achieved. The laboratory correctly elevated reporting limits and surrogate recoveries are not applicable in the field samples due to this dilution.

All reported positive hits were correctly obtained from the highest value of the two columns used for analysis. The %difference between columns when a positive hit was reported was never greater than the acceptance criteria of 40%.

Field duplicate results were evaluated between all four dup/parent pairs. All acceptance criteria were met and no qualification warranting discrepancies were found.

IV. Inorganic Analyses:

- **Total Lead – 6010**

All of the samples (excluding 45-R2(0.5-2)-091906, 45-R4(0.5-2)-091906, 45-X4(0.5-2)-091906, 45-X8(0-0.5)-091906, 45-FD-36-091906, 45-X5(0.5-2)-091906 and 45-R12(0-0.5)-091906) were analyzed using a 100 times dilution. The associated data package (SDG 2504699) noted that this dilution was performed with the knowledge and consent of the client. Please note that this dilution is reflected in the reporting limits and may be more significant to those samples reported as "non-detect" at the elevated reporting limits. The excluded samples were analyzed at 200 time dilutions with appropriate reporting limits.

The matrix spike, matrix spike duplicate samples using the parent samples 45-R5(0.5-2)-091906 and 45-X4(0.5-2)-091906 were all reported with percent recoveries of zero for Lead. Since the spike amount is very close to the RL after the dilution factors of the parent sample, no qualifications were warranted. The post digestion spike recoveries were within acceptance criteria.

All four of the field duplicate/parent samples were reported with RPD values outside the acceptance criteria of 30%. Accordingly, results for these samples were qualified as estimated "J/E" where positive hits were reported.

Several of the continuing calibration blanks were reported with negative values whose absolute values were greater than the MDL and less that the RL. According to specific guidance from CH2Mhill, these results were not qualified since the values were not greater than the RL.

eDATApro

TABLE 1-1

SUMMARY OF QUALIFIED DATA

Target Compound	Sample(s) Affected	Qualifier	Qualification Code or Reason for Qualification
Lead	45-R8(0-0.5)-091906	J	E-Duplicates showed poor agreement
Lead	45-FD-35-091906	J	E-Duplicates showed poor agreement
Lead	45-R12(0-0.5)-091906	J	E-Duplicates showed poor agreement
Lead	45-X10(0.5-2)-091906	J	E-Duplicates showed poor agreement
Lead	45-FD-37-091906	J	E-Duplicates showed poor agreement
Lead	45-X3(0-0.5)-091906	J	E-Duplicates showed poor agreement
Lead	45-FD-38-091906	J	E-Duplicates showed poor agreement

TABLE 1-2

ACRONYMS AND ABBREVIATIONS

%R – Percent Recovery

%D – Percent Difference

EDD – Electronic Data Deliverable

LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

QC – Quality Control

TABLE 1-3

DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicated the presence of an analyte for which there was presumptive evidence to make a "tentative identification"	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation. 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or not be present)
G	The analyte detected in the associated field, equipment, and/or trip blank.	The analyte detected in the associated field, equipment, and/or trip blank.
B	The analyte detected in the associated method and/or calibration blank	The analyte detected in the associated method and/or calibration blank

TABLE 1-4

QUALIFICATION CODE REFERENCE

Qualifier	Organics	Inorganics
E	Not applicable	Laboratory duplicates showed poor agreement

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R1(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478901 Lab File ID: 789-1.D

Sample wt/vol: 15.07 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0044

PercentSolids: 90.6 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Original
02 - Duplicate
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R2(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478902 Lab File ID: 789-2.D

Sample wt/vol: 15.08 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0110

PercentSolids: 87.2 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01-RevQual
02-QualCode
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

091006 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R3(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478903 Lab File ID: 789-3.D

Sample wt/vol: 15.06 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0136

PercentSolids: 86.3 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.35	U	4	
11096-82-5	Aroclor-1260	0.35	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.35	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.35	U		
11097-69-1	Aroclor-1254	0.35	U		

01-RorPrimal
02-Dualcock
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R4(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478904 Lab File ID: 789-4.D

Sample wt/vol: 15.29 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0401

PercentSolids: 89.1 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R5(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478905 Lab File ID: 789-5.D

Sample wt/vol: 15.19 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0427

PercentSolids: 89.5 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.15	J	J	
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01-Rev Qual
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R6(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478908 Lab File ID: 789-8.D

Sample wt/vol: 15.13 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0545

PercentSolids: 89.8 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.29	J	J	
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01-Rev Qual
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R7(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478909 Lab File ID: 789-9.D

Sample wt/vol: 15.06 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0611

PercentSolids: 87.9 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 – Review Qual
02 – Qual Code
ML

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R8(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478910 Lab File ID: 789-10.D

Sample wt/vol: 15.12 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0637

PercentSolids: 88.7 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.4			
11104-28-2	Aroclor-1221	0.17	U	4	
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 – Rev Prep
02 – Prep Calc
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

05/06/06 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R9(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478911 Lab File ID: 789-11.D

Sample wt/vol: 15.32 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0703

PercentSolids: 92.7 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.32	U	U	
11096-82-5	Aroclor-1260	0.32	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01-Rev Qual
02-Qual Code
MF

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R10(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478912 Lab File ID: 789-12.D

Sample wt/vol: 15.11 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0730

PercentSolids: 85.8 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.35	U		
11096-82-5	Aroclor-1260	0.35	U		
11104-28-2	Aroclor-1221	0.18	U		
11141-16-5	Aroclor-1232	0.35	U		
53469-21-9	Aroclor-1242	0.18	U		
12672-29-6	Aroclor-1248	0.35	U		
11097-69-1	Aroclor-1254	0.35	U		

01 – Rev Qual
02 – Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X1(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478913 Lab File ID: 789-13.D

Sample wt/vol: 15.06 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 0756

PercentSolids: 92.5 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	Q	01	02
12674-11-2	Aroclor-1016	0.32	U	U	
11096-82-5	Aroclor-1260	1.5			
11104-28-2	Aroclor-1221	0.16	U	U	
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01 – Rev Qual
02 – Qual Code
nd

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X2(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478914 Lab File ID: 789-14.D

Sample wt/vol: 15.13 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1022

PercentSolids: 87.8 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	4	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01-Rev Qual
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X3(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478915 Lab File ID: 789-15.D

Sample wt/vol: 15.15 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1048

PercentSolids: 88.8 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.41			
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.33	U	|	
53469-21-9	Aroclor-1242	0.17	U	|	
12672-29-6	Aroclor-1248	0.33	U	|	
11097-69-1	Aroclor-1254	0.33	U	|	

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X4(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478916 Lab File ID: 789-16.D

Sample wt/vol: 15.17 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1114

PercentSolids: 88.8 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	Q1	Q2
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	1.3			
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

Q1 - Res Qual
Q2 - Qual Code

ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X5(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478919 Lab File ID: 789-19.D

Sample wt/vol: 15.26 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1233

PercentSolids: 85.3 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	1			
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - Rev Qual
02 - Qual Code
ML

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X6(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478920 Lab File ID: 789-20.D

Sample wt/vol: 15.19 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1259

PercentSolids: 93.1 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.32	U	4	
11096-82-5	Aroclor-1260	0.32	U		
11104-28-2	Aroclor-1221	0.16	U		
11141-16-5	Aroclor-1232	0.32	U		
53469-21-9	Aroclor-1242	0.16	U		
12672-29-6	Aroclor-1248	0.32	U		
11097-69-1	Aroclor-1254	0.32	U		

01-Rev Qual
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X7(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478921 Lab File ID: 789-21.D

Sample wt/vol: 15.25 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1325

PercentSolids: 89.9 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.13	J	J	
11104-28-2	Aroclor-1221	0.16	U	U	
11141-16-5	Aroclor-1232	0.33	U	|	
53469-21-9	Aroclor-1242	0.16	U	|	
12672-29-6	Aroclor-1248	0.33	U	|	
11097-69-1	Aroclor-1254	0.33	U	|	

01 – Rev Qual
02 – Qual Code
ML

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X8(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478922 Lab File ID: 789-22.D

Sample wt/vol: 15.24 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/26/06

Level:(low/med) LOW Date Analyzed: 09/28/06 Time: 0137

PercentSolids: 89.5 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	U	
11096-82-5	Aroclor-1260	0.1	J	J	
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.33	U	|	
53469-21-9	Aroclor-1242	0.17	U	|	
12672-29-6	Aroclor-1248	0.33	U	|	
11097-69-1	Aroclor-1254	0.33	U	L	

01-Rev Dual
02-Dual Col
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

061006 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X9(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478923 Lab File ID: 789-23.D

Sample wt/vol: 15.15 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1417

PercentSolids: 84.6 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.35	U	4	
11096-82-5	Aroclor-1260	1.9			
11104-28-2	Aroclor-1221	0.18	U	4	
11141-16-5	Aroclor-1232	0.35	U		
53469-21-9	Aroclor-1242	0.18	U		
12672-29-6	Aroclor-1248	0.35	U		
11097-69-1	Aroclor-1254	0.35	U		

01-Rev Qual
02-Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X10(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478924 Lab File ID: 789-24.D

Sample wt/vol: 15.19 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1643

PercentSolids: 83.3 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Grid X position Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.36	U	4	
11096-82-5	Aroclor-1260	0.71			
11104-28-2	Aroclor-1221	0.18	U	4	
11141-16-5	Aroclor-1232	0.36	U		
53469-21-9	Aroclor-1242	0.18	U		
12672-29-6	Aroclor-1248	0.36	U		
11097-69-1	Aroclor-1254	0.36	U		

01 - Rev Qual
02 - Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R11(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478925 Lab File ID: 789-25.D

Sample wt/vol: 15.27 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1709

PercentSolids: 81.4 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.36	U	4	
11096-82-5	Aroclor-1260	0.36	U		
11104-28-2	Aroclor-1221	0.18	U		
11141-16-5	Aroclor-1232	0.36	U		
53469-21-9	Aroclor-1242	0.18	U		
12672-29-6	Aroclor-1248	0.36	U		
11097-69-1	Aroclor-1254	0.36	U		

01 - Rev Qual
02 - Qual Code
MI

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R12(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478926 Lab File ID: 789-26.D

Sample wt/vol: 15.08 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1735

PercentSolids: 89 decanted: Dilution Factor: 10

Extraction: SONC Station ID: Grid R position Method: 8082

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.34	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 - Rev Qual
02 - Qual Col
MD

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-FD-35-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478927 Lab File ID: 789-27.D

Sample wt/vol: 15.12 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1801

PercentSolids: 88.5 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Field Duplicate Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.33	J	J	
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01 – Rev Qual
02 – Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-FD-36-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478928 Lab File ID: 789-28.D

Sample wt/vol: 15.14 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1827

PercentSolids: 89 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Field Duplicate Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.33	U	4	
11096-82-5	Aroclor-1260	0.33	U		
11104-28-2	Aroclor-1221	0.17	U		
11141-16-5	Aroclor-1232	0.33	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.33	U		
11097-69-1	Aroclor-1254	0.33	U		

01 – Rev Qual
02 – Qual Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-FD-37-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478929 Lab File ID: 789-29.D

Sample wt/vol: 15.21 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1853

PercentSolids: 84.7 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Field Duplicate Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.35	U	U	
11096-82-5	Aroclor-1260	0.78			
11104-28-2	Aroclor-1221	0.18	U	U	
11141-16-5	Aroclor-1232	0.35	U		
53469-21-9	Aroclor-1242	0.18	U		
12672-29-6	Aroclor-1248	0.35	U		
11097-69-1	Aroclor-1254	0.35	U		

01 - Raw Qual
02 - Qual Code
NJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-FD-38-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478930 Lab File ID: 789-30.D

Sample wt/vol: 15.16 Units: G Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/21/06 Time: 1919

PercentSolids: 88.3 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Field Duplicate Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: MG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.34	U	U	
11096-82-5	Aroclor-1260	0.42			
11104-28-2	Aroclor-1221	0.17	U	U	
11141-16-5	Aroclor-1232	0.34	U		
53469-21-9	Aroclor-1242	0.17	U		
12672-29-6	Aroclor-1248	0.34	U		
11097-69-1	Aroclor-1254	0.34	U		

01—Rev Qual
02—Qual Code
ML

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-23-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: WATER Lab Sample ID: 250478931 Lab File ID: 789-31.D

Sample wt/vol: 990 Units: ML Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/20/06 Time: 2141

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Equipment Blank Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.5	U	4	
11096-82-5	Aroclor-1260	0.5	U		
11104-28-2	Aroclor-1221	0.5	U		
11141-16-5	Aroclor-1232	0.5	U		
53469-21-9	Aroclor-1242	0.5	U		
12672-29-6	Aroclor-1248	0.5	U		
11097-69-1	Aroclor-1254	0.5	U		

01—Rev Qual
02—Qual Code

ML

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

06/08 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-24-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: WATER Lab Sample ID: 250478932 Lab File ID: 789-32.D

Sample wt/vol: 975 Units: ML Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/20/06 Time: 2207

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Equipment Blank Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.51	U	U	
11096-82-5	Aroclor-1260	0.51	U		
11104-28-2	Aroclor-1221	0.51	U		
11141-16-5	Aroclor-1232	0.51	U		
53469-21-9	Aroclor-1242	0.51	U		
12672-29-6	Aroclor-1248	0.51	U		
11097-69-1	Aroclor-1254	0.51	U		

01 - Rev Dual
02 - Dual Col
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-25-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: WATER Lab Sample ID: 250478933 Lab File ID: 789-33.D

Sample wt/vol: 960 Units: ML Date Received: 09/20/06

Concentrated Extract Volume: 10 Date Extracted: 09/20/06

Level:(low/med) LOW Date Analyzed: 09/20/06 Time: 2233

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Equipment Blank Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.52	U		
11096-82-5	Aroclor-1260	0.52	U		
11104-28-2	Aroclor-1221	0.52	U		
11141-16-5	Aroclor-1232	0.52	U		
53469-21-9	Aroclor-1242	0.52	U		
12672-29-6	Aroclor-1248	0.52	U		
11097-69-1	Aroclor-1254	0.52	U		

01 - Rev Prep
02 - Prep Code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

051006 1117

Form I

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R1(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478901

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 90.6 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	38.8	U		P		

01 - Rev Final
02 - Final Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R2(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478902

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 87.2 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	79.5	U		P	U	

01-Lab Qual
02-Qual Code
M

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R3(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478903

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 86.3 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	29.8	U		P	U	

01 - Raw Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051008 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R4(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478904

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89.1 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	64	U		P		

01 - Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

05/1006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R5(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478905

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89.5 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	34.8	U	N	P		4

01 - Rev Qual
02 - Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

05/1006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R6(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478908

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89.8 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	36.6	U		P	N	

01-RevQual
02-QualCode

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

051006 1117

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R7(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478909

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 87.9 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	36.5	U		P

01 02
4

01 - Rev Dual
02 - Dual Col
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R8(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478910

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 88.7 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	8.98	J		P	J	E

01-Rev Qual
02-Qual Code
MJ

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

05/90E 1197

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R9(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478911

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 92.7 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	33	U		P	N	

01-RevQual
02-QualCode
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R10(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478912

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 85.8 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	39.8	U		P

01 02

N

01-Raw Qual
02-Qual Code
MI

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-X1(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478913

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 92.5 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	30300			P

01 02

01-RevQual
02-Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

061006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-X2(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478914

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 87.8 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	40.6	U		P		

01 - Rev Qual
02 - Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X3(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478915

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 88.8 Station ID: Grid X position

CONCENTRATION UNITS: *MG/KG*

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	797			P	J	E

01-Rev Qual
02-Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

051906 1117

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X4(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478916

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 88.8 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	60.1	U	N	P

01 02
U

01 – Rev Dual
02 – Dual Code
ML

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X5(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478919

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 85.3 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	62	U		P

01 02
U

01-RevQual
QC-QualCode
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-X6(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478920

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 93.1 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	29.4	U		P

01 02
4

01-Rev Qual
02-Qual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X7(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478921

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89.9 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	33.1	U		P

01 02
N

01 - Rev Qual
02 - Qual Code
MJ

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051606 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-X8(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478922

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89.5 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	63.1	U		P

01 02
U

01-RevQual
02-QualCode
N

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-X9(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478923

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 84.6 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	1720			P

01 02

01 - Reported
02 - Final Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051906 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-X10(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478924

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 83.3 Station ID: Grid X position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	54.5			P	J	E

01-Rev Qual
02-Qual Code
M

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

061006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-R11(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478925

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 81.4 Station ID: Grid R position

CONCENTRATION UNITS: MGIKG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	38	U		P

01 02
4

01-Rev Qual
02-Qual Code
M

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

_____

_____

_____

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-R12(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. _____ SAS No: _____ SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478926

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89 Station ID: Grid R position

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	18.1	J		P	J	E

01 – Rev Qual

02 – Qual Code

M

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

051006 1137

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-FD-35-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478927

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 88.5 Station ID: Field Duplicate

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	20	J		P	J	E

01 - Reviewed
02 - Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

_____

_____

_____

061206 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-FD-36-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478928

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 89 Station ID: Field Duplicate

CONCENTRATION UNITS: *MG/KG*

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	67	U		P	4	

01-Rev Dual
02-Dual Code
MJ

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-FD-37-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478929

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 84.7 Station ID: Field Duplicate

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	147			P	J	E

01-Rev Qual
02-Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-FD-38-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: SOIL Lab Sample ID: 250478930

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 88.3 Station ID: Field Duplicate

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	22.8	J		P

01 02
J E

01 = Lab Qual
02 = Qual Code
nd

Color Before: Clarity Before: Texture :

Color After : Clarity After: Artifacts:

Comments:

051905 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EB-23-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: WATER Lab Sample ID: 250478931

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 0 Station ID: Equipment Blank

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	5	U		P	4	

01-RevDual
02-DualCode

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

_____

_____

_____

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-24-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: WATER Lab Sample ID: 250478932

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 0 Station ID: Equipment Blank

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	5	U		P

01 02
M

01-Rev Qual
02-Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1117

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EB-25-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504789

Matrix: WATER Lab Sample ID: 250478933

Level:(low/med) LOW Date Received: 9/20/2006

PercentSolids: 0 Station ID: Equipment Blank

CONCENTRATION UNITS: *UG/L*

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	5	U		P

01 02
4

O1-Reviewal
02-Qual Code
N

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

051006 1117

789cm

2504790cm

(341162 - 101Page 1 of 5)

[redacted] Suite 700, Atlanta GA 30346
[redacted] fax 770.604-9182 phone

[redacted] Suite 700, Atlanta GA [redacted]

11 ITEM	12 SAMPLE IDENTIFIER	13 SAMPLE DESCRIPTION/LOCATION	14 MATRIX (see codes on SAP)	15 DATE COLLECTED	16 TIME COLLECTED	17 DATA PKG LEVEL (see codes on SOP)	18 TAT (calendar days)	* 19 ANALYSIS REQUESTED (Include Method Number) PCB - 8082; Lead only - 6010B												20 SAMPLE TYPE (see codes on SOP)	21 COMMENTS/ SCREENING READINGS	22 LAB ID (for Lab's use)
1	45-R1(0-0.5)-091906	Grid R, position 1, shallow	S	09/19/06	10:27	C	14	1												N	HOLD	
2	45-R1(0.5-2)-091906	Grid R, position 1, deep	S	09/19/06	10:30	C	14	1												N	48-hr prelim	01
3	45-R2(0-0.5)-091906	Grid R, position 2, shallow	S	09/19/06	10:23	C	14	1												N	HOLD	
4	45-R2(0.5-2)-091906	Grid R, position 2, deep	S	09/19/06	10:25	C	14	1												N	48-hr prelim	02
5	45-R3(0-0.5)-091906	Grid R, position 3, shallow	S	09/19/06	10:19	C	14	1												N	HOLD	
6	45-R3(0.5-2)-091906	Grid R, position 3, deep	S	09/19/06	10:21	C	14	1												N	48-hr prelim	03
7	45-R4(0-0.5)-091906	Grid R, position 4, shallow	S	09/19/06	9:43	C	14	1												N	HOLD	
8	45-R4(0.5-2)-091906	Grid R, position 4, deep	S	09/19/06	9:46	C	14	1												N	48-hr prelim	04
9	45-R5(0-0.5)-091906	Grid R, position 5, shallow	S	09/19/06	9:49	C	14	1												N	HOLD	
10	45-R5(0.5-2)-091906	Grid R, position 5, deep	S	09/19/06	9:51	C	14	2												N, MS, and MSD	48-hr prelim	05,06,07

23 SAMPLER(S) AND COMPANY: (please print)	Fed Ex Number: 8573 2250 7220 (2 coolers)	24 SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)
Ronny Fields/Meredith Harris/CH2M HILL		4 deg C 3.5, 3.8C pH<2 (6010)

* RELINQUISHED BY	DATE	TIME	* RECEIVED BY	DATE	TIME
Printed Name and Signature			Printed Name and Signature		
Ronny Fields/Meredith Harris/CH2M HILL [signature]	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	9/19/2006	18:00
Printed Name and Signature			Printed Name and Signature		
Fed Ex			[signature]	9.20.06	750
Printed Name and Signature			Printed Name and Signature		

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Form CC(00), Rev 06 00

2504789

268

789 cm
2504790 cm

Atlanta GA 30340

770 phone

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on SAP)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on SOP)	TAT (calendar days)	PCB - 8082; Lead only - 6010B										SAMPLE TYPE (see codes on SOP)	COMMENTS/ SCREENING READINGS	LAB ID (for lab's use)
1	45-R6(0-0.5)-091906	Grid R, position 6, shallow	S	09/19/06	9:54	C	14	1										N	HOLD	
2	45-R6(0.5-2)-091906	Grid R, position 6, deep	S	09/19/06	9:57	C	14	1											48-hr prelim	08
3	45-R7(0-0.5)-091906	Grid R, position 7, shallow	S	09/19/06	10:00	C	14	1										N	HOLD	
4	45-R7(0.5-2)-091906	Grid R, position 7, deep	S	09/19/06	10:03	C	14	1										N	48-hr prelim	09
5	45-R8(0-0.5)-091906	Grid R, position 8, shallow	S	09/19/06	9:25	C	14	1										N	48-hr prelim	10
6	45-R8(0.5-2)-091906	Grid R, position 8, deep	S	09/19/06	9:28	C	14	1										N	HOLD	
7	45-R9(0-0.5)-091906	Grid R, position 9, shallow	S	09/19/06	9:31	C	14	1										N	HOLD	
8	45-R9(0.5-2)-091906	Grid R, position 9, deep	S	09/19/06	9:33	C	14	1										N	48-hr prelim	11
9	45-R10(0-0.5)-091906	Grid R, position 10, shallow	S	09/19/06	9:36	C	14	1										N	HOLD	
10	45-R10(0.5-2)-091906	Grid R, position 10, deep	S	09/19/06	9:39	C	14	1										N	48-hr prelim	12

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7220 (2 coolers)	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	9/19/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9-20-06	750
Printed Name and Signature:			Printed Name and Signature:		

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Form CC1001, Rev 06 00

2504789

269

789 cm
2504790 cm

[1] ITEM	[2] SAMPLE IDENTIFIER	[3] SAMPLE DESCRIPTION/LOCATION	[4] MATRIX (see codes on SAP)	[5] DATE COLLECTED	[6] TIME COLLECTED	[7] DATA PKG LEVEL (see codes on SOP)	[8] TAT (calendar days)	PCB - 8082; Lead only - 6010B										[9] SAMPLE TYPE (see codes on SOP)	[10] COMMENTS/ SCREENING READINGS	[11] LAB ID (for lab's use)
1	45-X1(0-0.5)-091906	Grid X, position 1, shallow	S	09/19/06	14:08	C	14	1										N	48-hr prelim	13
2	45-X1(0.5-2)-091906	Grid X, position 1, deep	S	09/19/06	14:11	C	14	1										N	HOLD	
3	45-X2(0-0.5)-091906	Grid X, position 2, shallow	S	09/19/06	14:04	C	14	1										N	HOLD	
4	45-X2(0.5-2)-091906	Grid X, position 2, deep	S	09/19/06	14:07	C	14	1										N	48-hr prelim	14
5	45-X3(0-0.5)-091906	Grid X, position 3, shallow	S	09/19/06	13:58	C	14	1										N	48-hr prelim	15
6	45-X3(0.5-2)-091906	Grid X, position 3, deep	S	09/19/06	14:01	C	14	1										N	HOLD	
7	45-X4(0-0.5)-091906	Grid X, position 4, shallow	S	09/19/06	12:58	C	14	1										N	HOLD	
8	45-X4(0.5-2)-091906	Grid X, position 4, deep	S	09/19/06	13:01	C	14	3										N, MS, and MSD	48-hr prelim	16,17,18
9	45-X5(0-0.5)-091906	Grid X, position 5, shallow	S	09/19/06	13:03	C	14	1										N	HOLD	
10	45-X5(0.5-2)-091906	Grid X, position 5, deep	S	09/19/06	13:07	C	14	1										N	48-hr prelim	19

[12] SAMPLER(S) AND COMPANY: (please print)	[13] COURIER AND SHIPPING NUMBER:	[14] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7220 (2 coolers)	

[15] RELINQUISHED BY	DATE	TIME	[16] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	9/19/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.20.06	750
Printed Name and Signature:			Printed Name and Signature:		

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Form CC1001, Rev 06.20

2504789

270

789CM
2504790CM

113 Fennsylvania Center Place, Suite 700

[10] ITEM	[11] SAMPLE IDENTIFIER	[11] SAMPLE DESCRIPTION/LOCATION	[29] MATRIX (see codes on SAF)	[7] DATE COLLECTED	[12] TIME COLLECTED	[25] DATA PKG LEVEL (see codes on SOP)	[31] TAT (calendar days)	PCB - HOLD; Lead only - 6010B									[28] SAMPLE TYPE (see codes on SOP)	[37] COMMENTS/ SCREENING READINGS	[21] LAB ID (for lab's use)
1	45-X6(0-0.5)-091906	Grid X, position 6, shallow	S	09/19/06	13:10	C	14	1									N	48-hr prelim	20
2	45-X6(0.5-2)-091906	Grid X, position 6, deep	S	09/19/06	13:13	C	14	1									N	HOLD	
3	45-X7(0-0.5)-091906	Grid X, position 7, shallow	S	09/19/06	13:15	C	14	1									N	HOLD	
4	45-X7(0.5-2)-091906	Grid X, position 7, deep	S	09/19/06	13:18	C	14	1									N	48-hr prelim	21
5	45-X8(0-0.5)-091906	Grid X, position 8, shallow	S	09/19/06	12:51	C	14	1									N	48-hr prelim	22
6	45-X8(0.5-2)-091906	Grid X, position 8, deep	S	09/19/06	12:54	C	14	1									N	HOLD	
7	45-X9(0-0.5)-091906	Grid X, position 9, shallow	S	09/19/06	12:44	C	14	1									N	HOLD	
8	45-X9(0.5-2)-091906	Grid X, position 9, deep	S	09/19/06	12:47	C	14	1									N	48-hr prelim	23
9	45-X10(0-0.5)-091906	Grid X, position 10, shallow	S	09/19/06	12:40	C	14	1									N	HOLD	
10	45-X10(0.5-2)-091906	Grid X, position 10, deep	S	09/19/06	12:42	C	14	1									N	48-hr prelim	24

[7] SAMPLER(S) AND COMPANY: (please print)	[8] COURIER AND SHIPPING NUMBER:	[41] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use)
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7220 (2 coolers)	

[9] RELINQUISHED BY	DATE	TIME	[9] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	9/19/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.20.06	750
Printed Name and Signature:			Printed Name and Signature:		

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Form CT1001, Rev 06 00

2504789

271

789 CM
2504789CM

CH2MHILL

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER:

[2]	[3] STATION LOCATION	[4] MATRIX (see codes)	[5] DATE COLLECT	[6] TIME COLLECT	[7] DATA PKG (see codes)	[8] TAT (calendar)	PCB - 8082 - only - GC	[9] SAMPLE TYPE (see codes on SOP)	[10] COMMENTS/ SCREENING READINGS	[11] LAB ID (for lab's use)
1	45-R11(0-0.5)-091906	Grid R, position 11, shallow	S	09/19/06	10:13	C	14	1	N	HOLD	
2	45-R11(0.5-2)-091906	Grid R, position 11, deep	S	09/19/06	10:15	C	14	1	N	48-hr prelim	25
3	45-R12(0-0.5)-091906	Grid R, position 12, shallow	S	09/19/06	10:09	C	14	1	N	48-hr prelim	26
4	45-R12(0.5-2)-091906	Grid R, position 12, deep	S	09/19/06	10:11	C	14	1	N	HOLD	
5	45-FD-35-091906	Field Duplicate	S	09/19/06	--	C	14	1	FD	48-hr prelim	27
6	45-FD-36-091906	Field Duplicate	S	09/19/06	--	C	14	1	FD	48-hr prelim	28
7	45-FD-37-091906	Field Duplicate	S	09/19/06	--	C	14	1	FD	48-hr prelim	29
8	45-FD-38-091906	Field Duplicate	S	09/19/06	--	C	14	1	FD	48-hr prelim	30
9	EB-23-091906	Equipment Blank	W	09/19/06	9:00	C	14	2	EB	48-hr prelim	31
10	EB-24-091906	Equipment Blank	W	09/19/06	12:35	C	14	2	EB	48-hr prelim	32
11	EB-25-091906	Equipment Blank	W	09/19/06	14:20	C	14	3	EB	48-hr prelim	33

[12] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[13] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 8573 2250 7220 (2 coolers)

[14] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):

[15] RELINQUISHED BY	DATE	TIME	[16] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	09/19/06	
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.20.06	750
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report)([ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CC1001, Rev 06.00

2504789

272

Data Validation Report

CTO 45 – DRMO Truman Annex – Key West, FL
Area: PCB & Lead Soil Delineation
CH2M Hill Constructors, Inc.

SDG: 2504848 Date: 10/16/2006

Approved For Quality Assurance By:
Camden L. Robinson Date 10/26/06

eDATApro
Environmental Data Professional, LLC
6004 Perkins Road Suite A1 • Baton Rouge, LA 70808 • phone: 225-761-4264 • fax: 225-761-4266

Disclaimer:

The validation performed and reported herein is based on specifications and procedures presented to eDATApro with the associated data package. Any qualifications or review not specified with package requirements was based on direction and/or input from the CH2Mhill project Chemist.

Information contained in this report based solely on the hardcopy and/or electronic deliverables that were submitted to eDATApro. EDATApro reserves the rights to modify or change the validation report if new information is presented or if this report is determined to be inaccurate or incomplete.

eDATApro

Cover Letter

Validation Report Date: 10/16/2006

Lab Report Date: 10/6/2006

Contract Task Order (CTO) Number: 45

Project Name: DRMO Truman Annex – Key West, FL

Area: PCB & Lead Soil Delineation

Sample Delivery Group: 2504848

CTO Project Manager: Bethany Garvey

Data validation personnel: Dana Harper and Mike Stewart

Data Deliverables Included:

Validation Report:

____ Data Validation Report
- ____ Introduction
- ____ Data Validation Findings Summary
- ____ Table 1-1, Summary of Qualified Data
- ____ Appendix I – Qualified Laboratory Form 1s
- ____ Appendix II – Chain of Custody
- ____ Appendix III – Copies of completed checklists
- ____ EDD with applied data qualifiers

____ Data Validation Reference Package, including
- ____ Table 1-2, Acronyms and Abbreviation List
- ____ Table 1-3, Data Qualifier Reference Table
- ____ Table 1-4, Qualification Code Reference Table

Approval Signature: _____ Date: _____

INTRODUCTION:

CTO Number: 45
Project Name: DRMO Truman Annex - Key West, FL
Area: PCB & Lead Soil Delineation
Laboratory: PEL Laboratories
Laboratory Package No.: 2504848
Matrix: Soil and Water QC

Environmental Data Professional, LLC (eDATApro) received one data package containing nine field samples. These samples were validated utilizing CCI-approved checklists based on the Department of Defense Quality System Manual as part of the DOD QSM - Navy Installation Restoration Chemical Data Quality Manual (IRCDQM) and the project specific Scope of Work.

The following samples were reviewed:

Sample ID	Matrix	Lab ID	Parent Sample ID	Collection Date/Time	Analyses
45-K4(0.5-2)-090606	Soil	250484801		09/06/2006 11:33	[2]
45-E1(0-0.5)-091406	Soil	250484802		09/14/200611:01	[1]
45-E2(0.5-2)-091406	Soil	250484803		09/14/200611:08	[1]
45-E3(0.5-2)-091406	Soil	250484804		09/14/200611:13	[1]
45-X1(0-0.5)-091906	Soil	250484805		09/19/2006 14:08	[2]
45-X3(0-0.5)-091906	Soil	250484806		09/19/2006 13:58	[2]
45-X9(0.5-2)-091906	Soil	250484807		09/19/2006 12:47	[1], [2]
45-Y3(0.5-2)-092006	Soil	250484808		09/20/2006 10:31	[1]
45-Z11(0.5-2)-092106	Soil	250484809		09/21/2006 11:18	[2]

Analyses Performed Codes:
[1] - Polychlorinated Biphenyls (PCBs) **SPLP extraction** - SW-846 8082 /
[2] - Lead **(SPLP extraction)** - SW-846 6010

DATA VALIDATION FINDINGS SUMMARY

I. General Package:

Please note that project specific analyte lists and project specific reporting limits were not submitted with the validation package and accordingly, these items could not be evaluated during validation.

Please note that only a subset of the samples listed in the Chain-of-custody (COC) were submitted with analytical results in this data package. Handwritten requests for the SPLP analyses included in this data package are noted as "Additional analysis added by Kaye Walker". Only the SPLP data for the samples included in this data package were reviewed and reported herein.

II. Executive Summary:

The findings of this quality assurance report are based upon the comprehensive review of the following data categories: chain of custody documentation, holding times, laboratory method and field blank analyses, surrogate compound recoveries, matrix spike compound recoveries and reproducibility, GCMS mass tuning results, initial and continuing calibration, second source recovery and internal standard area performance summaries, target compound identification, laboratory control sample results, laboratory and blind field duplicate sample results, detection limits/sensitivity, and electronic data deliverables.

The analyses were performed acceptably, but require several qualifying statements; it is recommended that the analytical data be used only with the qualifying statements provided below. Any aspects of the data, which are not discussed in this report, should be considered qualitatively and quantitatively valid as reported, based on the deliverables reviewed.

III. Organic Analyses:

- **SPLP PCBs – 8082 / SPLP**

  The sample 45-X9(0.5-2)-091906 was extracted using 470 mL down to a final volume of 10mL. The other samples in this data package were extracted using 240-245mL down to 2.5 mL final volume. This discrepancy is possible explained by the laboratory note of heavy emulsion in the extract. Please note that although this non-conformance does not warrant any qualification, the resulting reporting limits were adjusted accordingly.

IV. Inorganic Analyses:

- **SPLP Lead – 6010 / SPLP**

  One or more of the continuing calibration blanks were reported with values greater than the MDL and less that the RL or absolute values greater than the MDL and less than the RL. According to specific guidance from CH2Mhill, these results were not qualified since the values were not greater than the RL.

  The sample 45-X1(0-0.5)-091906 was analyzed at a ten times dilution due to the high concentrations of Lead. Reporting limits were adjusted accordingly and no qualification was warranted.

The CCB proceeding the field sample 45-X1(0-0.5)-091906 was reported with a positive result greater than the MDL and less than the RL. Accordingly, the positive result reported for this field sample was qualified as "B/MB".

eDATApro

TABLE 1-1

SUMMARY OF QUALIFIED DATA

Target Compound	Sample(s) Affected	Qualifier	Qualification Code or Reason for Qualification
Lead	45-X1(0-0.5)-091906	B	MB- Presumed contamination from preparation (method) blank or calibration blank.

TABLE 1-2

ACRONYMS AND ABBREVIATIONS

%R – Percent Recovery

%D – Percent Difference

EDD – Electronic Data Deliverable

LCS – Laboratory Control Sample

LCSD – Laboratory Control Sample Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

QC – Quality Control

TABLE 1-3

DATA QUALIFIER REFERENCE

Qualifier	Organics	Inorganics
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicated the presence of an analyte for which there was presumptive evidence to make a "tentative identification"	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation. 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.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or not be present)
G	The analyte detected in the associated field, equipment, and/or trip blank.	The analyte detected in the associated field, equipment, and/or trip blank.
B	The analyte detected in the associated method and/or calibration blank	The analyte detected in the associated method and/or calibration blank

TABLE 1-4

QUALIFICATION CODE REFERENCE

Qualifier	Organics	Inorganics
MB	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) blank or calibration blank.

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-Y3(0.5-2)-092006

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: SOIL Lab Sample ID: 250484808 Lab File ID: 848-8.D

Sample wt/vol: 240 Units: ML Date Received: 09/28/06

Concentrated Extract Volume: 2.5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 10/04/06 Time: 1333

PercentSolids: 0 decanted: Dilution Factor: 1

Extraction: SEPF Station ID: Grid Y position Method: 8082 SPLP

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

SPLP Analysis

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.52	U	U	
11096-82-5	Aroclor-1260	0.52	U		
11104-28-2	Aroclor-1221	0.52	U		
11141-16-5	Aroclor-1232	0.52	U		
53469-21-9	Aroclor-1242	0.52	U		
12672-29-6	Aroclor-1248	0.52	U		
11097-69-1	Aroclor-1254	0.52	U		

01 - Rev Dual
02 - Dual Col
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

061006 1042

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X9(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: SOIL Lab Sample ID: 250484807 Lab File ID: 848-7.D

Sample wt/vol: 470 Units: ML Date Received: 09/28/06

Concentrated Extract Volume: 10 Date Extracted:

Level:(low/med) LOW Date Analyzed: 10/04/06 Time: 1241

PercentSolids: 0 decanted: Dilution Factor: 1

Extraction: SEPF Station ID: Grid X position Method: 8082 SPLP

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

SPLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	1.1	U	U	
11096-82-5	Aroclor-1260	1.1	U		
11104-28-2	Aroclor-1221	1.1	U		
11141-16-5	Aroclor-1232	1.1	U		
53469-21-9	Aroclor-1242	1.1	U		
12672-29-6	Aroclor-1248	1.1	U		
11097-69-1	Aroclor-1254	1.1	U		

01 - Res Qual
02 - Qual Code
MJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

08/05/05 1042

Form I

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-E1(0-0.5)-091406

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: SOIL Lab Sample ID: 250484802 Lab File ID: 848-2.D

Sample wt/vol: 245 Units: ML Date Received: 09/28/06

Concentrated Extract Volume: 2.5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 10/04/06 Time: 1122

PercentSolids: 0 decanted: Dilution Factor: 1

Extraction: SEPF Station ID: Grid E position Method: 8082 SPLP

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

SPLP Analysis

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.51	U	4	
11096-82-5	Aroclor-1260	0.51	U		
11104-28-2	Aroclor-1221	0.51	U		
11141-16-5	Aroclor-1232	0.51	U		
53469-21-9	Aroclor-1242	0.51	U		
12672-29-6	Aroclor-1248	0.51	U		
11097-69-1	Aroclor-1254	0.51	U		

01 - Reported
02 - Qual code
ml

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

061006 1042

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-E2(0.5-2)-091406

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: SOIL Lab Sample ID: 250484803 Lab File ID: 848-3.D

Sample wt/vol: 240 Units: ML Date Received: 09/28/06

Concentrated Extract Volume: 2.5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 10/04/06 Time: 1148

PercentSolids: 0 decanted: Dilution Factor: 1

Extraction: SEPF Station ID: Grid E position Method: 8082 SPLP

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

SPLP Analysis

CAS NO.	ANALYTE	RESULT	Q	01	02
12674-11-2	Aroclor-1016	0.52	U	4	
11096-82-5	Aroclor-1260	0.52	U		
11104-28-2	Aroclor-1221	0.52	U		
11141-16-5	Aroclor-1232	0.52	U		
53469-21-9	Aroclor-1242	0.52	U		
12672-29-6	Aroclor-1248	0.52	U		
11097-69-1	Aroclor-1254	0.52	U		

01 - Rev Qual
02 - Rpt Code
NJ

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

081006 1042

Form I

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-E3(0.5-2)-091406

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: SOIL Lab Sample ID: 250484804 Lab File ID: 848-4.D

Sample wt/vol: 245 Units: ML Date Received: 09/28/06

Concentrated Extract Volume: 2.5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 10/04/06 Time: 1215

PercentSolids: 0 decanted: Dilution Factor: 1

Extraction: SEPF Station ID: Grid E position Method: 8082 SPLP

GPC Cleanup: (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

SPLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	01	02
12674-11-2	Aroclor-1016	0.51	U	U	
11096-82-5	Aroclor-1260	0.51	U		
11104-28-2	Aroclor-1221	0.51	U		
11141-16-5	Aroclor-1232	0.51	U		
53469-21-9	Aroclor-1242	0.51	U		
12672-29-6	Aroclor-1248	0.51	U		
11097-69-1	Aroclor-1254	0.51	U		

01-Rev Qual
02-Qual Code
ND

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

061006 1042

Form I

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-K4(0.5-2)-090606

Lab Name: PEL Laboratories, inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504848

Matrix: WATER Lab Sample ID: 250484801

Level:(low/med) LOW Date Received: 9/28/2006

PercentSolids: 0 Station ID: Grid K position

SPLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	0.0344			P		

01 - Rev Dual
02 - Dual Code
ml

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

051006 1042

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X1(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: WATER Lab Sample ID: 250484805

Level:(low/med) LOW Date Received: 9/28/2006

PercentSolids: 0 Station ID: Grid X position

SPLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	19.6			P	B	mB

01 – Rev Qual
02 – Qual Code
ml

Color Before: Clarity Before: Texture :

Color After : Clarity After: Artifacts:

Comments:

091006 1042

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X3(0-0.5)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code: PEL Case No. SAS No: SDG No.: 2504848

Matrix: WATER Lab Sample ID: 250484806

Level:(low/med) LOW Date Received: 9/28/2006

PercentSolids: 0 Station ID: Grid X position

SPLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	0.271			P		

01 - Rev Qual
02 - Qual Code
N

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

061006 1042

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 45-X9(0.5-2)-091906

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 2504848

Matrix: WATER Lab Sample ID: 250484807

Level:(low/med) LOW Date Received: 9/28/2006

PercentSolids: 0 Station ID: Grid X position

SPLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M	01	02
7439-92-1	Lead	0.117			P		

01 - Raw Qual
02 - Qual Code
ML

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

061006 1042

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

45-Z11(0.5-2)-092106

Lab Name: PEL Laboratories, Inc. Contract: DRMO Truman Annex

Lab Code : PEL Case No. SAS No: SDG No.: 2504848

Matrix: WATER Lab Sample ID: 250484809

Level:(low/med) LOW Date Received: 9/28/2006

PercentSolids: 0 Station ID: Grid Z position

SPLP Analysis

CONCENTRATION UNITS: MGIL

CAS NO.	ANALYTE	Concentration	C	Q	M
7439-92-1	Lead	0.673			P

01 02

01 - Rev Dual
02 - Dual Code
MA

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

_____

_____

_____

091006 1042

2504848mc
2504699mc

CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 082906-01
Page 1 of 5

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[9] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[4] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[15] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[17] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[6] PROJECT CONTACT:	[8] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[32] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead only - 6010B	SPLP Pb								[34] SAMPLE TYPE (see codes on SOP)	[37] COMMENTS/ SCREENING READINGS	[38] LAB ID (for lab's use)
1	45-K1-(0-0.5)-090606	Grid K, position 1, shallow	S	09/06/06	11:15	C	14	1									N	48-hr prelim	11
2	45-K1-(0.5-2)-090606	Grid K, position 1, deep	S	09/06/06	11:21	C	14	1									N	HOLD	
3	45-K10-(0-0.5)-090606	Grid K, position 10, shallow	S	09/06/06	11:17	C	14	1									N	HOLD	
4	45-K10-(0.5-2)-090606	Grid K, position 10, deep	S	09/06/06	11:20	C	14	2									N, MS, and MSD	48-hr prelim / MS and MSD	12,13,14
5	45-K7-(0-0.5)-090606	Grid K, position 7, shallow	S	09/06/06	11:26	C	14	1									N	48-hr prelim	15
6	45-K7-(0.5-2)-090606	Grid K, position 7, deep	S	09/06/06	11:34	C	14	1									N	HOLD	
7	45-K4-(0-0.5)-090606	Grid K, position 4, shallow	S	09/06/06	11:30	C	14	1									N	HOLD	
8	45-K4-(0.5-2)-090606	Grid K, position 4, deep	SX Soil	09/06/06	11:33	C	14	1	X								N	48-hr prelim	16 01
9	45-K6-(0-0.5)-090606	Grid K, position 6, shallow	S	09/06/06	11:37	C	14	1									N	HOLD	
10	45-K6-(0.5-2)-090606	Grid K, position 6, deep	S	09/06/06	11:42	C	14	1									N	48-hr prelim	17

Additional PCB 1254/5 added by Kama White 9/28/06 MO

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 7928 4325 6172 and 7928 4325 6194	

[25] RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	[27] RECEIVED BY: Printed Name and Signature:	DATE	TIME
Ronny Fields/Meredith Harris/CH2M HILL	9/6/2006	18:00	Fed Ex:7928 4325 6172 and 7928 4325 6194	9/6/2006	18:00
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9/7/06	1015
Printed Name and Signature:			Printed Name and Signature:		

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Form CC1001, Rev 06 00

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CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 07 (Page 3 of 5)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[21] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead only - 6010B	SPLP Pb								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-E1(0-0.5)-091406	Grid E, position 1, shallow	S	09/14/06	11:01	C	14	1	X								N	48-hr prelim	1302
2	45-E1(0.5-2)-091406	Grid E, position 1, deep	S	09/14/06	11:02	C	14	1									N	HOLD	
3	45-E2(0-0.5)-091406	Grid E, position 2, shallow	S	09/14/06	11:05	C	14	1									N	HOLD	
4	45-E2(0.5-2)-091406	Grid E, position 2, deep	S	09/14/06	11:08	C	14	1	X								N	48-hr prelim	1303
5	45-E3(0-0.5)-091406	Grid E, position 3, shallow	S	09/14/06	11:10	C	14	1									N	HOLD	
6	45-E3(0.5-2)-091406	Grid E, position 3, deep	S	09/14/06	11:13	C	14	1	X								N	48-hr prelim	1304
7	~~45-E4(0-0.5)-091406~~	Grid E, position 4, shallow	S	09/14/06	11:34	C	14	1									N	HOLD	
8	45-E4(0.5-2)-091406	Grid E, position 4, deep	S	~~09/14/06~~	11:37	C	14	1									N	48-hr prelim	~~16~~
9	45-E5(0-0.5)-091406	Grid E, position 5, shallow	S	09/14/06	11:28	C	14	1									N	HOLD	
10	45-E5(0.5-2)-091406	Grid E, position 5, deep	S	09/14/06	11:31	C	14	3									~~N, MS, and~~ MSD	~~48-hr prelim~~	17,18,19

Additional analysis added by Kama White 9/15/06 MG

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7193 (2 coolers)	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/14/2006	18:00	Fed Ex: 8573 2250 7193 (2 Coolers)	9/14/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.15.06	730
Printed Name and Signature:			Printed Name and Signature:		

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Additional analysis requested by Kaye Walker 9/28/06 MG

17 ITEM	18 SAMPLE IDENTIFIER	19 SAMPLE DESCRIPTION/LOCATION	20 MATRIX (see codes on SAP)	21 DATE COLLECTED	22 TIME COLLECTED	23 DATA PKG LEVEL (see codes on SOP)	24 TAT (calendar days)	PCB - 8082; Lead only - 6010B	SPLP Pb									25 SAMPLE TYPE (see codes on SOP)	27 COMMENTS/ SCREENING READINGS	31 LAB ID (for lab's use)
1	45-X1(0-0.5)-091906	Grid X, position 1, shallow	S	09/19/06	14:08	C	14	1	X									N	48-hr prelim	~~1305~~
2	45-X1(0.5-2)-091906	Grid X, position 1, deep	S	09/19/06	14:11	C	14	1										N	HOLD	
3	45-X2(0-0.5)-091906	Grid X, position 2, shallow	S	09/19/06	14:04	C	14	1										N	HOLD	
~~4~~	~~45-X2(0.5-2)-091906~~	~~Grid X, position 2, deep~~	~~S~~	~~09/19/06~~	~~14:07~~	~~C~~	~~14~~	~~1~~										~~N~~	~~48-hr prelim~~	~~19~~
5	45-X3(0-0.5)-091906	Grid X, position 3, shallow	S	09/19/06	13:58	C	14	1	X									N	48-hr prelim	~~1506~~
6	~~45-X3(0.5-2)-091906~~	Grid X, position 3, deep	S	09/19/06	14:01	C	14	1										N	HOLD	
7	45-X4(0-0.5)-091906	Grid X, position 4, shallow	S	09/19/06	12:58	C	14	1										N	HOLD	
8	45-X4(0.5-2)-091906	Grid X, position 4, deep	S	09/19/06	13:01	C	14	1										N, MS, and MSD	48-hr prelim	~~16,17,18~~
9	45-X5(0-0.5)-091906	Grid X, position 5, shallow	S	09/19/06	13:03	C	14	1										N	HOLD	
10	45-X5(0.5-2)-091906	Grid X, position 5, deep	S	09/19/06	13:07	C	14	1										N	48-hr prelim	~~19~~

29 SAMPLER(S) AND COMPANY: (please print)	30 COURIER AND SHIPPING NUMBER:	31 SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7220 (2 coolers)	

32 RELINQUISHED BY	DATE	TIME	33 RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	9/19/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.20.06	750
Printed Name and Signature:			Printed Name and Signature:		

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2504848 no 2504790 789 CM 790 CM

115 Perimeter Center Place, Suite 700

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAF)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOF)	[24] TAT (calendar days)	PCB - 8082: Level only - 60188	SPLP PCB's w/o 96										[26] SAMPLE TYPE (see codes on SOF)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (For lab's use)
1	45-X6(0-0.5)-091906	Grid X, position 6, shallow	S	09/19/06	13:10	C	14	1		Additional analysis added 9/20/06 by Hope Walker MG									N	48-hr prelim	20
2	45-X6(0.5-2)-091906	Grid X, position 6, deep	S	09/19/06	13:13	C	14	1											N	HOLD	
3	45-X7(0-0.5)-091906	Grid X, position 7, shallow	S	09/19/06	13:15	C	14	1											N	HOLD	
4	45-X7(0.5-2)-091906	Grid X, position 7, deep	S	09/19/06	13:18	C	14	1											N	48-hr prelim	21
5	45-X8(0-0.5)-091906	Grid X, position 8, shallow	S	09/19/06	12:51	C	14	1											N	48-hr prelim	22
6	45-X8(0.5-2)-091906	Grid X, position 8, deep	S	09/19/06	12:54	C	14	1											N	HOLD	
7	45-X9(0-0.5)-091906	Grid X, position 9, shallow	S	09/19/06	12:44	C	14	1											N	HOLD	
8	45-X9(0.5-2)-091906	Grid X, position 9, deep	S	09/19/06	12:47	C	14	1	X										N	48-hr prelim	2507
9	45-X10(0-0.5)-091906	Grid X, position 10, shallow	S	09/19/06	12:40	C	14	1											N	HOLD	
10	45-X10(0.5-2)-091906	Grid X, position 10, deep	S	09/19/06	12:42	C	14	1											N	48-hr prelim	24

[29] SAMPLER(S) AND COMPANY; (please print)	[30] COURIER AND SHIPPING NUMBER:	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Ronny Fields/Meredith Harris/CH2M HILL	Fed Ex Number: 8573 2250 7220 (2 coolers)	

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/19/2006	18:00	Fed Ex: 8573 2250 7220 (2 Coolers)	9/19/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.20.06	750
Printed Name and Signature:			Printed Name and Signature:		

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CH2MHILL Constructors, Inc.

115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

CHAIN-OF-CUSTODY RECORD

[1] COC NUMBER: 341162 - 11 (Page 1 of 3)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No., and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No., and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No., and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[22] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead only - 6010B	SAP PCB										[25] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	45-Y1(0-0.5)-092006	Grid Y, position 1, shallow	S	09/20/06	10:22	C	14	1											N	HOLD	
2	45-Y1(0.5-2)-092006	Grid Y, position 1, deep	S	09/20/06	10:24	C	14	1											N	48-hr prelim	01
3	45-Y2(0-0.5)-092006	Grid Y, position 2, shallow	S	09/20/06	10:26	C	14	1											N	HOLD	
4	45-Y2(0.5-2)-092006	Grid Y, position 2, deep	S	09/20/06	10:28	C	14	3											N, MS, and MSD	48-hr prelim	02,03,04
5	45-Y3(0-0.5)-092006	Grid Y, position 3, shallow	S	09/20/06	10:29	C	14	1											N	HOLD	
6	45-Y3(0.5-2)-092006	Grid Y, position 3, deep	S	09/20/06	10:31	C	14	1	X										N	48-hr prelim	05 08
7	45-Y4(0-0.5)-092006	Grid Y, position 4, shallow	S	09/20/06	11:01	C	14	1											N	HOLD	
8	45-Y4(0.5-2)-092006	Grid Y, position 4, deep	S	09/20/06	11:04	C	14	1											N	48-hr prelim	06
9	45-Y5(0-0.5)-092006	Grid Y, position 5, shallow	S	09/20/06	10:56	C	14	1											N	HOLD	
10	45-Y5(0.5-2)-092006	Grid Y, position 5, deep	S	09/20/06	10:59	C	14	1											N	48-hr prelim	07

Additional analysis added by Kate Walker 9/21/06 mc

[26] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

Fed Ex Number: 8573 2250 7230 (1 cooler)

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):
Rec@3.8C pH<2 (6010)

[32] RELINQUISHED BY	DATE	TIME	[33] RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ronny Fields/Meredith Harris/CH2M HILL	9/20/2006	18:00	Fed Ex: 8573 2250 7230 (1 Cooler)	9/20/2006	18:00
Printed Name and Signature:			Printed Name and Signature:		
Fed Ex				9.21.06	730
Printed Name and Signature:			Printed Name and Signature:		

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Form CC1001, Rev 06-00

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CHAIN-OF-CUSTODY RECORD

CH2MHILL Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No: (770) 604-9182
Fax No: (770) 604-9282

[1] COC NUMBER: 341162 - 12 (Page 5 of 5)

[2] PROJECT NAME:	[3] PROJECT NUMBER:	[4] LAB NAME AND CONTACT:	[11] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel No. , and Fax No.):
DRMO Truman Annex-Key West, FL	341162	PEL Laboratories Darcy Weisman	Kama White kwhite2@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[5] PROJECT PHASE/SITE/TASK:	[6] CTO OR DO NUMBER:	[7] LAB PO NUMBER:	[12] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel No. , and Fax No.):
PCB & Lead Soil Delineation	CTO - 45	806895	Bethany Garvey bgarvey@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone
[8] PROJECT CONTACT:	[9] PROJECT TEL NO AND FAX NO:	[10] LAB TEL NO AND FAX NO:	[13] FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel No. , and Fax No.):
Denis Ewing	770-604-9182 phone 770-604-9282 fax	813-247-2805 ext. 237 phone	Denis Ewing dewing@ch2m.com	115 Perimeter Center Place NE, Suite 700, Atlanta GA 30346 678-579-8067 fax 770-604-9182 phone

[32] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (see codes on SAP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCB - 8082; Lead only - 6010B	SVOC 625								[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for lab's use)
1	~~45-Z11(0-0.5)-092106~~	~~Grid Z, position 11, shallow~~	~~S~~	~~09/21/06~~	~~11:15~~	~~C~~	~~14~~	1										N	HOLD	
2	45-Z11(0.5-2)-092106	Grid Z, position 11, deep	S	09/21/06	11:18	C	14	1	1									N	48-hr prelim	~~24~~ 09
3	45-FD-42-092106	Field Duplicate	S	09/21/06	--	C	14	1										FD	48-hr prelim	~~25~~
4	45-FD-43-092106	Field Duplicate	S	09/21/06	--	C	14	1										FD	48-hr prelim	~~26~~
5	45-FD-44-092106	Field Duplicate	S	09/21/06	--	C	14	1										FD	48-hr prelim	~~27~~
6	45-FD-45-092106	Field Duplicate	S	09/21/06	--	C	14	1										FD	48-hr prelim	~~28~~
7	EB-27-092106	Equipment Blank	W	09/21/06	7:45	C	14	2										EB	48-hr prelim	~~29~~
8	EB-28-092106	Equipment Blank	W	09/21/06	10:00	C	14	2										EB	48-hr prelim	~~30~~
9	EB-29-092106	Equipment Blank	W	09/21/06	11:30	C	14	2										EB	48-hr prelim	~~31~~

Hold for Analysis Based on Lead Results 9/21/06 mc

[29] SAMPLER(S) AND COMPANY: (please print)
Ronny Fields/Meredith Harris/CH2M HILL

[30] COURIER AND SHIPPING NUMBER:
Fed Ex Number: 8573 2250 7241 (2 coolers)

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for lab's use):

[33] RELINQUISHED BY	DATE	TIME	[34] RECEIVED BY	DATE	TIME
Printed Name and Signature: Ronny Fields/Meredith Harris/CH2M HILL	9/21/2006	18:00	Printed Name and Signature: Fed Ex: 8573 2250 7241 (2 Coolers)	09/21/06	
Printed Name and Signature: Fed Ex			Printed Name and Signature:	9.22.06	8:01
Printed Name and Signature:			Printed Name and Signature:		

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Attachment C
95% UCL Calculation Output Sheets

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-C	
Number of Samples	14
Number of Censored Data	11
Minimum	0.34
Maximum	0.35
Mean	0.317857
Median	0.34
Standard Deviation	0.051766
Variance	
Coefficient of Variation	0.162858
Skewness	-2.659624

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.419371
Bounding (1/2 DL)	0.246999

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

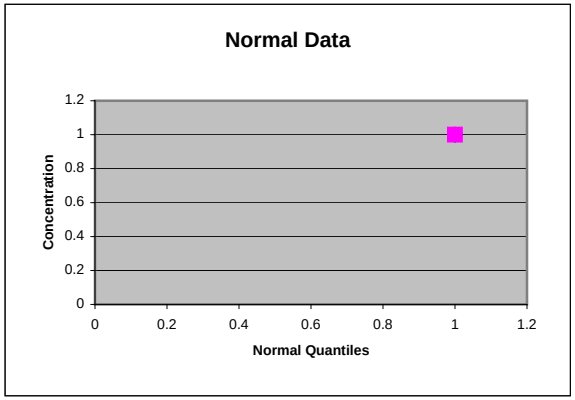
FDEP Recommended UCL to Use:
0.35

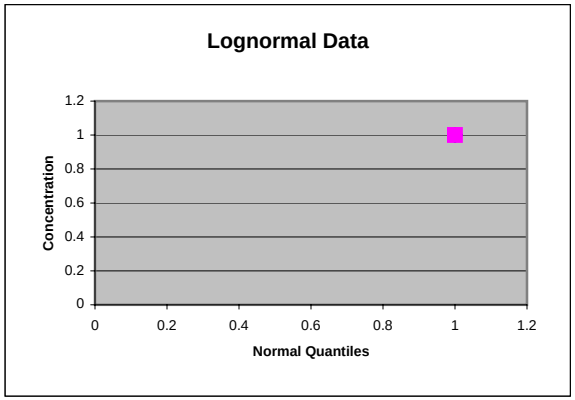
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.925606

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.475
SW test statistic for LogNormal Distribution	0.775
Shapiro-Wilk's critical value for p<0.05	0.881

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-D	
Number of Samples	15
Number of Censored Data	5
Minimum	0.069
Maximum	5.2
Mean	0.6822
Median	0.175
Standard Deviation	1.376666
Variance	1.895208
Coefficient of Variation	2.017979
Skewness	3.020696

95% UCL (Assuming Normal Data)	
Student's-t	1.308264

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	1.563192
Modified-t	1.354469

95% Non-parametric UCL	
CLT	1.266921
Jackknife	NA
Standard Bootstrap	1.23837
Bootstrap-t	11.42746
Chebyshev (Mean, Std)	2.231622

Summary Statistics for ln(Grid-D)	
Minimum	-2.673649
Maximum	1.648659
Mean	-1.330036
Standard Deviation	1.166455
Variance	1.360616

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	0.522188
MLE Standard Deviation	0.889039
MLE Median	0.264468
MLE Coefficient of Variation	1.702526
MVUE Estimate of Mean	0.473248
MVUE Estimate of Std. Dev.	0.605618
MVUE Estimate of SE	0.184133
MVUE Coefficient of Variation	1.279706

UCL Assuming Lognormal Distribution	
95% H-UCL	1.386673
95% Chebyshev (MVUE) UCL	1.275864
99% Chebyshev (MVUE) UCL	2.305351

FDEP Recommended UCL to Use:

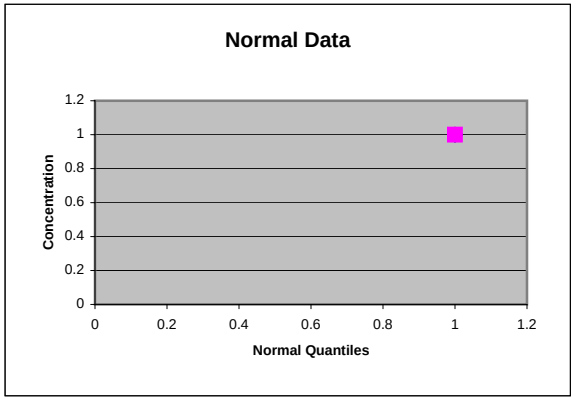
2.231622

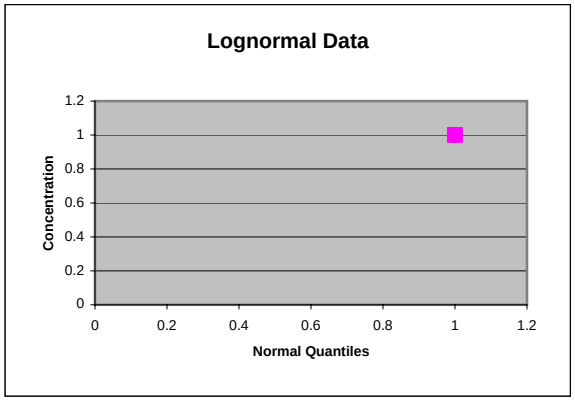
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.915581

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.570
SW test statistic for LogNormal Distribution	0.812
Shapiro-Wilk's critical value for p<0.05	0.887

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-E	
Number of Samples	16
Number of Censored Data	7
Minimum	0.165
Maximum	30
Mean	5.256875
Median	0.365
Standard Deviation	10.00284
Variance	100.0567
Coefficient of Variation	1.90281
Skewness	2.10976

95% UCL (Assuming Normal Data)	
Student's-t	9.640743

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	10.7801
Modified-t	9.860573

95% Non-parametric UCL	
CLT	9.370542
Jackknife	NA
Standard Bootstrap	9.304989
Bootstrap-t	30.19669
Chebyshev (Mean, Std)	16.15746

Summary Statistics for ln(Grid-E)	
Minimum	-1.80181
Maximum	3.401197
Mean	-0.119475
Standard Deviation	1.952006
Variance	3.810326

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	5.96368
MLE Standard Deviation	39.63276
MLE Median	0.887386
MLE Coefficient of Variation	6.645689
MVUE Estimate of Mean	3.901754
MVUE Estimate of Std. Dev.	8.940052
MVUE Estimate of SE	2.540534
MVUE Coefficient of Variation	2.291291

UCL Assuming Lognormal Distribution	
95% H-UCL	58.54918
95% Chebyshev (MVUE) UCL	14.97569
99% Chebyshev (MVUE) UCL	29.17981

FDEP Recommended UCL to Use:

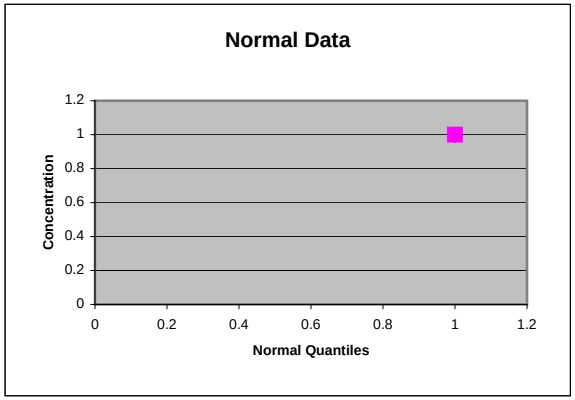
16.15746

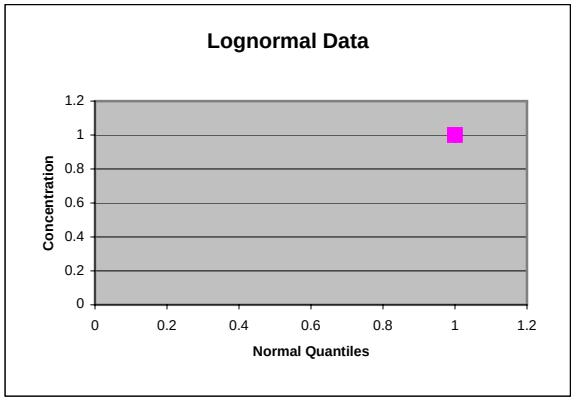
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.93543

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.897
SW test statistic for LogNormal Distribution	0.921
Shapiro-Wilk's critical value for p<0.05	0.859

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-F	
Number of Samples	12
Number of Censored Data	2
Minimum	0.076
Maximum	1.2
Mean	0.48275
Median	0.39
Standard Deviation	0.36358
Variance	0.13219
Coefficient of Variation	0.753143
Skewness	0.578194

95% UCL (Assuming Normal Data)	
Student's-t	0.67124

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	0.674125
Modified-t	0.674159

95% Non-parametric UCL	
CLT	0.655403
Jackknife	NA
Standard Bootstrap	0.639697
Bootstrap-t	0.718983
Chebyshev (Mean, Std)	0.940255

Summary Statistics for ln(Grid-F)	
Minimum	-2.577022
Maximum	0.182322
Mean	-1.064122
Standard Deviation	0.924164
Variance	0.85408

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	0.528833
MLE Standard Deviation	0.614269
MLE Median	0.345031
MLE Coefficient of Variation	1.161556
MVUE Estimate of Mean	0.500448
MVUE Estimate of Std. Dev.	0.491983
MVUE Estimate of SE	0.152794
MVUE Coefficient of Variation	0.983085

UCL Assuming Lognormal Distribution	
95% H-UCL	1.191677
95% Chebyshev (MVUE) UCL	1.166464
99% Chebyshev (MVUE) UCL	2.020737

FDEP Recommended UCL to Use:

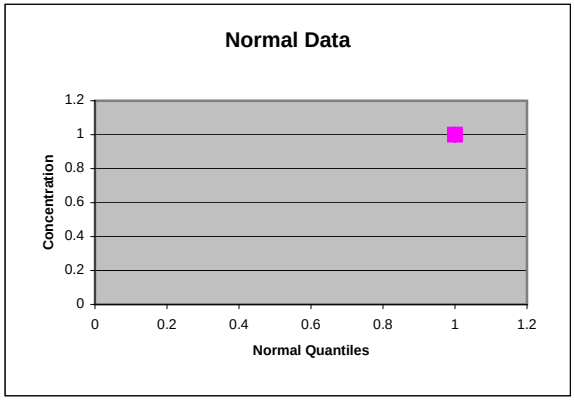
0.940255

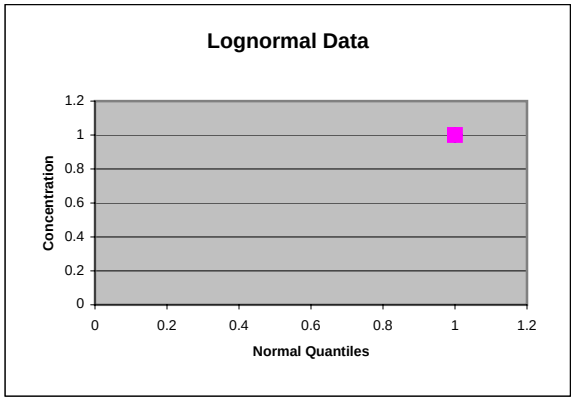
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.931686

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.786
SW test statistic for LogNormal Distribution	0.870
Shapiro-Wilk's critical value for p<0.05	0.881

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-G	
Number of Samples	15
Number of Censored Data	4
Minimum	0.069
Maximum	2.2
Mean	0.665467
Median	0.17
Standard Deviation	0.734535
Variance	0.539542
Coefficient of Variation	1.10379
Skewness	0.968589

95% UCL (Assuming Normal Data)	
Student's-t	0.99951

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	1.028139
Modified-t	1.007415

95% Non-parametric UCL	
CLT	0.977451
Jackknife	NA
Standard Bootstrap	0.989932
Bootstrap-t	1.127265
Chebyshev (Mean, Std)	1.492178

Summary Statistics for ln(Grid-G)	
Minimum	-2.673649
Maximum	0.788457
Mean	-1.110313
Standard Deviation	1.276718
Variance	1.630008

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	0.744301
MLE Standard Deviation	1.507815
MLE Median	0.329456
MLE Coefficient of Variation	2.025812
MVUE Estimate of Mean	0.663877
MVUE Estimate of Std. Dev.	0.963192
MVUE Estimate of SE	0.274318
MVUE Coefficient of Variation	1.450858

UCL Assuming Lognormal Distribution	
95% H-UCL	2.31899
95% Chebyshev (MVUE) UCL	1.8596
99% Chebyshev (MVUE) UCL	3.393309

FDEP Recommended UCL to Use:

1.492178

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 12/18/06

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-I	
Number of Samples	17
Number of Censored Data	13
Minimum	0.34
Maximum	0.35
Mean	0.281588
Median	0.33
Standard Deviation	0.104709
Variance	
Coefficient of Variation	0.371852
Skewness	-1.551153

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.393255
Bounding (1/2 DL)	0.193144

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.35

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 12/18/06

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-N	
Number of Samples	10
Number of Censored Data	7
Minimum	0.33
Maximum	0.34
Mean	0.268
Median	0.325
Standard Deviation	0.104939
Variance	
Coefficient of Variation	0.391564
Skewness	-1.314659

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.418629
Bounding (1/2 DL)	0.204407

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

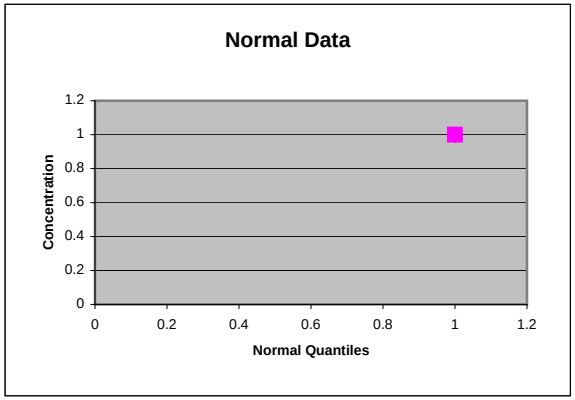
FDEP Recommended UCL to Use:
0.34

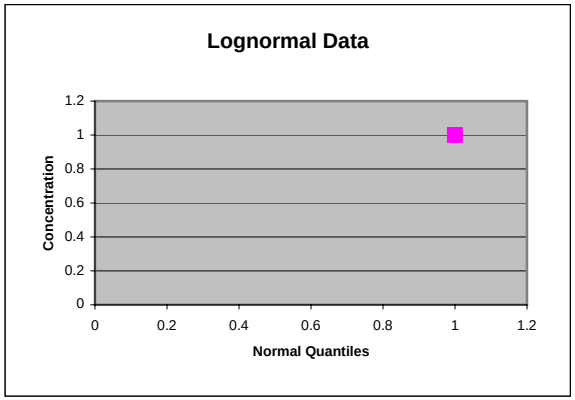
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.929337

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.914
SW test statistic for LogNormal Distribution	0.928
Shapiro-Wilk's critical value for p<0.05	0.859

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-O	
Number of Samples	12
Number of Censored Data	3
Minimum	0.084
Maximum	0.91
Mean	0.382417
Median	0.395
Standard Deviation	0.22775
Variance	0.05187
Coefficient of Variation	0.595555
Skewness	0.918412

95% UCL (Assuming Normal Data)	
Student's-t	0.500489

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	0.509196
Modified-t	0.503394

95% Non-parametric UCL	
CLT	0.490568
Jackknife	NA
Standard Bootstrap	0.484736
Bootstrap-t	0.536825
Chebyshev (Mean, Std)	0.669003

Summary Statistics for ln(Grid-O)	
Minimum	-2.476938
Maximum	-0.094311
Mean	-1.147082
Standard Deviation	0.677622
Variance	0.459171

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	0.399518
MLE Standard Deviation	0.304987
MLE Median	0.317562
MLE Coefficient of Variation	0.763388
MVUE Estimate of Mean	0.387906
MVUE Estimate of Std. Dev.	0.270378
MVUE Estimate of SE	0.08964
MVUE Coefficient of Variation	0.697018

UCL Assuming Lognormal Distribution	
95% H-UCL	0.665406
95% Chebyshev (MVUE) UCL	0.778638
99% Chebyshev (MVUE) UCL	1.279816

FDEP Recommended UCL to Use:

0.669003

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 12/18/06

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-P	
Number of Samples	14
Number of Censored Data	9
Minimum	0.35
Maximum	2
Mean	0.436643
Median	0.345
Standard Deviation	0.469134
Variance	
Coefficient of Variation	1.074412
Skewness	3.23803

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.983168
Bounding (1/2 DL)	0.907664

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.983168

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-Q	
Number of Samples	15
Number of Censored Data	10
Minimum	0.34
Maximum	1.2
Mean	0.451467
Median	0.34
Standard Deviation	0.285514
Variance	
Coefficient of Variation	0.632413
Skewness	1.598622

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.775844
Bounding (1/2 DL)	0.726262

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.775844

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-R	
Number of Samples	17
Number of Censored Data	14
Minimum	0.35
Maximum	0.4
Mean	0.325882
Median	0.33
Standard Deviation	0.050505
Variance	
Coefficient of Variation	0.154979
Skewness	-2.751237

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.414725
Bounding (1/2 DL)	0.253936

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.4

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-S	
Number of Samples	14
Number of Censored Data	10
Minimum	0.34
Maximum	0.85
Mean	0.382857
Median	0.34
Standard Deviation	0.19281
Variance	
Coefficient of Variation	0.503609
Skewness	1.709854

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.61361
Bounding (1/2 DL)	0.533809

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

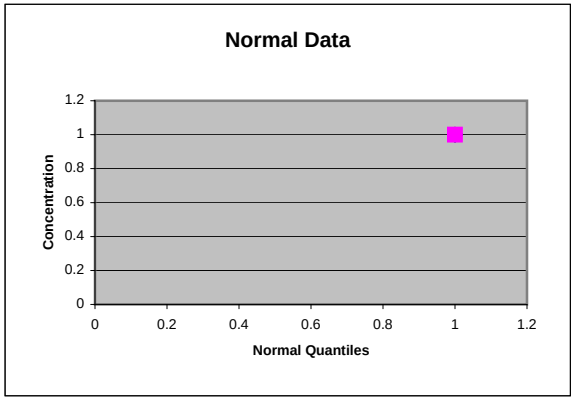
FDEP Recommended UCL to Use:
0.61361

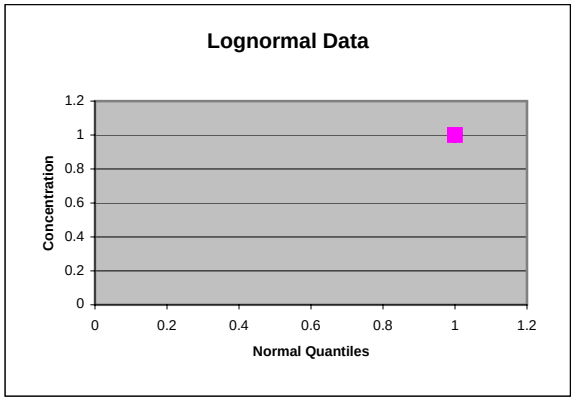
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.94049

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.631
SW test statistic for LogNormal Distribution	0.938
Shapiro-Wilk's critical value for p<0.05	0.881

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Wilk's test
Distribution is best described as: Lognormal

Lognormal

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-X	
Number of Samples	15
Number of Censored Data	2
Minimum	0.1
Maximum	19
Mean	3.832
Median	1.3
Standard Deviation	6.228565
Variance	38.79502
Coefficient of Variation	1.625408
Skewness	1.916083

95% UCL (Assuming Normal Data)	
Student's-t	6.664554

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	7.327773
Modified-t	6.797159

95% Non-parametric UCL	
CLT	6.477503
Jackknife	NA
Standard Bootstrap	6.56362
Bootstrap-t	9.960792
Chebyshev (Mean, Std)	10.84218

Summary Statistics for ln(Grid-X)	
Minimum	-2.302585
Maximum	2.944439
Mean	0.106212
Standard Deviation	1.702624
Variance	2.898927

Goodness-of-Fit Results	
Distribution Recommended	Lognormal
Distribution Used	Lognormal

Estimates Assuming Lognormal Distribution	
MLE Mean	4.738286
MLE Standard Deviation	19.62512
MLE Median	1.112058
MLE Coefficient of Variation	4.141818
MVUE Estimate of Mean	3.813743
MVUE Estimate of Std. Dev.	8.443584
MVUE Estimate of SE	2.007973
MVUE Coefficient of Variation	2.213989

UCL Assuming Lognormal Distribution	
95% H-UCL	31.196
95% Chebyshev (MVUE) UCL	12.56629
99% Chebyshev (MVUE) UCL	23.79287

FDEP Recommended UCL to Use:

10.84218

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 12/18/06

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-Y	
Number of Samples	18
Number of Censored Data	12
Minimum	0.32
Maximum	4.5
Mean	0.550056
Median	0.32
Standard Deviation	0.993044
Variance	
Coefficient of Variation	1.805351
Skewness	4.138986

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	1.570311
Bounding (1/2 DL)	1.494359

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

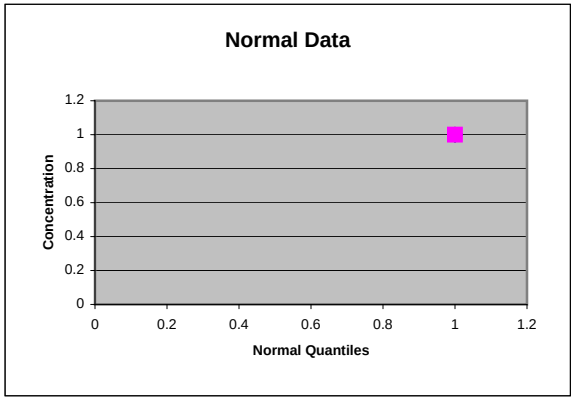
FDEP Recommended UCL to Use:
1.570311

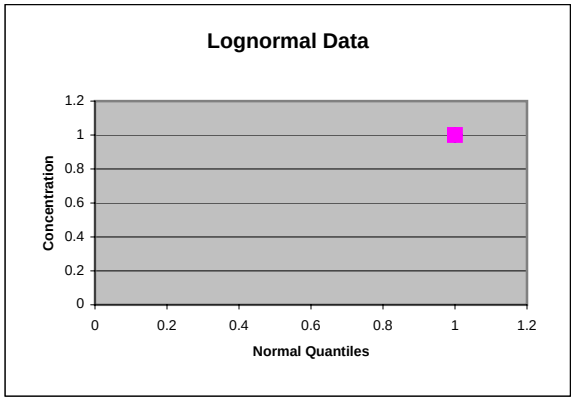
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.912352

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.443
SW test statistic for LogNormal Distribution	0.757
Shapiro-Wilk's critical value for p<0.05	0.892

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-Z	
Number of Samples	17
Number of Censored Data	8
Minimum	0.071
Maximum	5.7
Mean	0.669765
Median	0.185
Standard Deviation	1.35149
Variance	1.826526
Coefficient of Variation	2.017859
Skewness	3.618334

95% UCL (Assuming Normal Data)	
Student's-t	1.242038

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	1.516381
Modified-t	1.289981

95% Non-parametric UCL	
CLT	1.20897
Jackknife	NA
Standard Bootstrap	1.14943
Bootstrap-t	2.983435
Chebyshev (Mean, Std)	2.098578

Summary Statistics for ln(Grid-Z)	
Minimum	-2.645075
Maximum	1.740466
Mean	-1.231175
Standard Deviation	1.092667
Variance	1.193921

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	0.530352
MLE Standard Deviation	0.804317
MLE Median	0.291949
MLE Coefficient of Variation	1.516573
MVUE Estimate of Mean	0.483936
MVUE Estimate of Std. Dev.	0.564727
MVUE Estimate of SE	0.182919
MVUE Coefficient of Variation	1.166946

UCL Assuming Lognormal Distribution	
95% H-UCL	1.171864
95% Chebyshev (MVUE) UCL	1.281263
99% Chebyshev (MVUE) UCL	2.303964

FDEP Recommended UCL to Use:

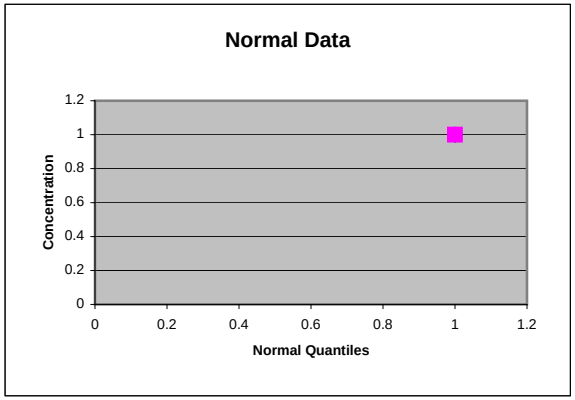
2.098578

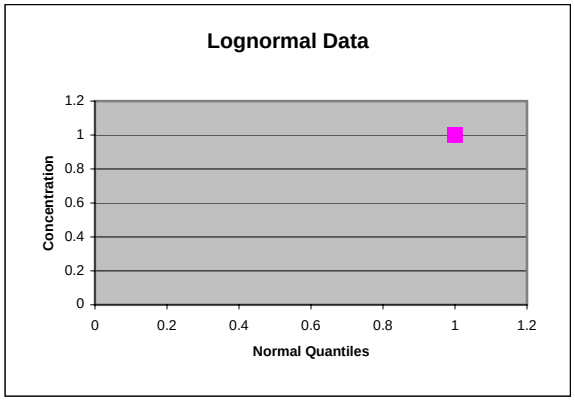
PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97

Goodness-of-fit test results





Shapiro-Francia Results (Adjust for Censoring)

SF for Normal Distribution	0
SF for LogNormal Distribution	0
Shapiro-Francia critical value for p<0.05	0.90998

Test stat > critical value indicates a reasonable fit

Shapiro-Wilk's Test Results for All Data (BDL replaced with 1/2 DL)

SW test statistic for Normal Distribution	0.827
SW test statistic for LogNormal Distribution	0.856
Shapiro-Wilk's critical value for p<0.05	0.881

Test stat > critical value indicates a reasonable fit

Based on the results of the Shapiro-Francia test
Distribution is best described as: Neither

Neither

FDEP UCL Calculator Version 0.97 **12/18/06**

Summary Statistics for Grid-D -Re	
Number of Samples	15
Number of Censored Data	7
Minimum	0.069
Maximum	0.34
Mean	0.182867
Median	0.17
Standard Deviation	0.072266
Variance	0.005222
Coefficient of Variation	0.395185
Skewness	1.007662

95% UCL (Assuming Normal Data)	
Student's-t	0.215731

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	0.218749
Modified-t	0.21654

95% Non-parametric UCL	
CLT	0.213561
Jackknife	NA
Standard Bootstrap	0.212522
Bootstrap-t	0.22338
Chebyshev (Mean, Std)	0.264202

Summary Statistics for ln(Grid-D -Residual UCL)	
Minimum	-2.673649
Maximum	-1.07881
Mean	-1.772607
Standard Deviation	0.40811
Variance	0.166553

Goodness-of-Fit Results	
Distribution Recommended	Neither
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	0.184643
MLE Standard Deviation	0.078604
MLE Median	0.169889
MLE Coefficient of Variation	0.425707
MVUE Estimate of Mean	0.182625
MVUE Estimate of Std. Dev.	0.075114
MVUE Estimate of SE	0.026538
MVUE Coefficient of Variation	0.411303

UCL Assuming Lognormal Distribution	
95% H-UCL	0.23091
95% Chebyshev (MVUE) UCL	0.298303
99% Chebyshev (MVUE) UCL	0.44668

FDEP Recommended UCL to Use:

0.264202

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-F - Re	
Number of Samples	12
Number of Censored Data	9
Minimum	0.34
Maximum	0.37
Mean	0.306833
Median	0.34
Standard Deviation	0.077579
Variance	
Coefficient of Variation	0.252838
Skewness	-2.307214

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.425578
Bounding (1/2 DL)	0.230551

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.37

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-G - R	
Number of Samples	15
Number of Censored Data	10
Minimum	0.33
Maximum	0.34
Mean	0.260133
Median	0.33
Standard Deviation	0.112911
Variance	
Coefficient of Variation	0.434052
Skewness	-1.09002

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.387211
Bounding (1/2 DL)	0.202955

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.34

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-O U+I	
Number of Samples	12
Number of Censored Data	6
Minimum	0.34
Maximum	0.44
Mean	0.337
Median	0.335
Standard Deviation	0.090668
Variance	
Coefficient of Variation	0.269045
Skewness	-2.059149

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.485444
Bounding (1/2 DL)	0.422331

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.44

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-P - Re	
Number of Samples	14
Number of Censored Data	11
Minimum	0.35
Maximum	0.36
Mean	0.295214
Median	0.335
Standard Deviation	0.095438
Variance	
Coefficient of Variation	0.323282
Skewness	-1.714138

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.414895
Bounding (1/2 DL)	0.195057

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.36

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-X - Re	
Number of Samples	15
Number of Censored Data	12
Minimum	0.32
Maximum	0.41
Mean	0.3
Median	0.32
Standard Deviation	0.078831
Variance	
Coefficient of Variation	0.262769
Skewness	-1.923

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.404351
Bounding (1/2 DL)	0.248123

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.404351

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-Y - Re	
Number of Samples	18
Number of Censored Data	14
Minimum	0.32
Maximum	0.43
Mean	0.298944
Median	0.32
Standard Deviation	0.08891
Variance	
Coefficient of Variation	0.297413
Skewness	-1.971281

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.39904
Bounding (1/2 DL)	0.268576

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.39904

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.

FDEP UCL Calculator Version 0.97 **12/18/06**

Note: Bounding estimates are worst case 95% UCLs based on the Chebyshev (mean, std) method.

Summary Statistics for Grid-Z	Re
Number of Samples	17
Number of Censored Data	12
Minimum	0.35
Maximum	0.38
Mean	0.295353
Median	0.33
Standard Deviation	0.08845
Variance	
Coefficient of Variation	0.299472
Skewness	-1.438338

95% UCL (Assuming Normal Data)	
Student's-t	NA

95% UCL (Adjusted for Skewness)	
Adjusted-CLT	NA
Modified-t	NA

95% Non-parametric UCL	
CLT	NA
Jackknife	NA
Standard Bootstrap	NA
Bootstrap-t	NA
Chebyshev (Mean, Std)	NA

95% Bounding Method UCL	
Bounding (Max)	0.395549
Bounding (1/2 DL)	0.209476

Summary Statistics for	
Minimum	NA
Maximum	NA
Mean	NA
Standard Deviation	NA
Variance	NA

Goodness-of-Fit Results	
Distribution Recommended	NA
Distribution Used	Neither

Estimates Assuming Lognormal Distribution	
MLE Mean	NA
MLE Standard Deviation	NA
MLE Median	NA
MLE Coefficient of Variation	NA
MVUE Estimate of Mean	NA
MVUE Estimate of Std. Dev.	NA
MVUE Estimate of SE	NA
MVUE Coefficient of Variation	NA

UCL Assuming Lognormal Distribution	
95% H-UCL	NA
95% Chebyshev (MVUE) UCL	NA
99% Chebyshev (MVUE) UCL	NA

FDEP Recommended UCL to Use:
0.38

PROUCL 2.1 NA

Note: These estimates are valid ONLY if samples are random and representative.