APPENDIX A

HUMAN HEALTH RISK ASSESSMENT REPORTS FOR AOC 2:

A1: Post-remediation Risk Assessment

A2: Pre-remediation Risk Assessment

APPENDIX A1
POST REMEDIATION HUMAN HEALTH RISK ASSESSMENT AT AOC 2

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SECTION A1.1

INTRODUCTION

A1.1.1 PROJECT BACKGROUND

A1.1.1.1 This quantitative human health risk assessment (HHRA) has been prepared by Parsons as part of the RI for AOC 2, which is the Former Bivouac Area/Post Commander's Landfill, located to the west of the former SADVA. There are five areas of interest (AOIs) within AOC 2 that were targeted for soil removal (called Area B, Area C, Area D, Area F, and AOI5). These AOIs were identified based on visual inspection and evidence of possible contamination (*e.g.*, drums, solvent bottles) identified during the RI. These areas have been combined for site-wide risk analyses of AOC 2. An additional AOI (AOI6) was adjacent to AOI5. One soil sample was collected from AOI6. The data for AOI6 were not included in the site-wide HHRA, but were addressed qualitatively in the HHRA.

A1.1.1.2 The specific objective of this quantitative HHRA is to provide a quantitative post-remediation risk assessment of the soil at AOC 2. The HHRA will determine if there is potential risk to human health associated with exposure to soil as an environmental medium.

A1.1.1.3 This HHRA comes under the authority of the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS). The SADVA site is DERP-FUDS site number C02NY0002. This HHRA has been prepared to satisfy the U.S. Army Corps of Engineers (USACE) internal requirements and DERP-FUDS requirements for risk assessments that are performed for RI projects. This HHRA will be used to assess the effectiveness of the remedial action at AOC 2, and to assess whether AOC 2 poses any further risk to human health.

A1.1.1.4 Although the HHRA for AOC 2 has not been required by the State of New York or by the U.S. Environmental Protection Agency (USEPA), there are numerous guidelines and criteria from the State and the USEPA that are relevant to this HHRA. As described further in this HHRA, the assessment uses applicable guidelines, including those provided by the New York State Department of Environmental Conservation (NYSDEC), the New York State Department of Health (NYSDOH), and the USEPA.

A1.1.2 FACILITY AND SITE DESCRIPTION

A1.1.2.1 SADVA is located 0.25 miles southeast of the Village of Guilderland Center, New York (Figure A1.1). The Department of Defense (DoD) held ownership of the SADVA property from 1941 through 1969. The site was originally constructed as a regulating station and a holding and reconsignment point, and later became a general Army depot. The principal mission of the installation was the receipt, storage, maintenance, and distribution of supply items for the U.S. Department of the Army (DOA).

A1.1.2.2 In 1963, approximately 40 acres on the west side of Route 201 were sold to a private party for use as a residence (Figure A1.1). Historical information indicates the AOC 2 parcel was used as a transit troop bivouac area and officer family housing area in the 1950s and 1960s. After being purchased in 1963, the new owners of the parcel noticed a disposal area (later known as the Post Commander's Landfill) which they ultimately reported to the NYSDEC.

A1.1.2.3 Previous use of the Bivouac Area included the disposal of drums and other waste in a portion of the 40-acre site. The disposal site has since been backfilled and is covered with vegetation consisting of grass and thick brush. Visual evidence of the disposal activities was present, including the presence of small vials containing pills scattered around the area. An area of ground where standing water has been observed during rainy periods has produced discolored soil and runoff. The disposal area is approximately 1,000 feet west of the onsite residence that formerly utilized a drinking water well adjacent to the house. The residents have been connected to the municipal water supply since approximately 1971 and the well is no longer in use. Photos A1.1 and A1.2 show the typical vegetation and land features at AOC 2. These photos were taken during the site visit by the Parsons risk assessment team in July 2006.

A1.1.3 RISK ASSESSMENT PROCESS

A1.1.3.1 Summary of Available Data for AOC 2

A1.1.3.1.1 The RI at AOC 2 began in 2000. The overall RI objective was to assess the presence, nature and extent of contamination at AOC 2. The activities included locating and characterizing the extent of fill, and sampling the fill, soil, groundwater, surface water, and sediment to assess potential exposure pathways to humans and the environment. The scope of work also included sampling former domestic wells at the site and decommissioning a former groundwater monitoring well. The RI objectives were met as planned.

A1.1.3.1.2 The extent of fill was determined using soil borings and test pits. In two large areas, the fill consisted primarily of small glass pill bottles containing salt tablets and iodine tablets. In several other areas, fill consisting of pint-sized solvent-filled bottles, 55-gallon drums of solvent-like materials, 5-gallon pails of a tar-like material, and paint residue was identified and delineated. The fill materials contained hazardous substances and were classified as flammable and toxic, and would be classified as hazardous waste if removed from the site. Pesticides were detected above surface water and sediment criteria. SVOCs were detected above surface water criteria in two samples. Metals were detected above the applicable criteria in all of the media sampled. Benzene, BEHP and phenol were detected above the Class GA groundwater standards. Up to six metals were present at concentrations above the groundwater standards and upgradient concentrations. No VOCs, SVOC, pesticides, or PCBs were detected above Class GA groundwater standards in either of the two nearby former domestic wells that were sampled. No metals were detected above Class GA criteria in the former domestic well located at the site. Three metals were detected above Class GA criteria in the former domestic supply well located on a neighboring property.

A1.1.3.1.3 The fill material (pill bottles, solvent drums and bottles, paint residue, tar buckets, and metallic debris) at the Post Commander's Landfill area is most likely attributable to the DoD. Since this property is no longer owned by the DoD, and concentrations in soil, surface water, sediment and groundwater exceed applicable NYSDEC criteria, USACE contracted with Parsons to complete a quantitative human health risk assessment (HHRA) and an Engineering Evaluation and Cost Analysis (EECA). Those documents supported USACE's decision to complete a Non-Time Critical Removal Action, which began in 2005 and was completed in 2006.

A1.1.3.1.4 This quantitative post-remediation HHRA for AOC 2 uses the results of the confirmatory soil data collected after the soil removal was completed. After waste materials and impacted soils were excavated, confirmatory soil samples were collected and analyzed for SVOCs, VOCs, metals and pesticides/herbicides. If analyte concentrations exceeded the NYSDEC recommended soil cleanup objectives (hereafter referred to as "NYSDEC criteria"), the excavation resumed and additional confirmatory soil samples were collected until the sample concentrations did not exceed NYSDEC criteria.

A1.1.3.1.5 The waste and soil excavation at AOC 2 occurred in 2005 and 2006, and was performed by Shaw Environmental. In addition to the areas of waste and impacted soils identified during the RI, several areas within AOC 2 were identified as Areas of Interest (AOIs), because they appeared to be contaminated. Shaw Environmental collected soil samples to characterize each AOI. If concentrations exceeded NYSDEC criteria, soil excavation was conducted in the AOI. After the excavation was completed, confirmatory soil samples were collected and analyzed, as previously described. Figure A1.2 shows the AOC 2 area at the time of the site remediation.

A1.1.3.2 General HHRA Approach and Guidance Documents

A1.1.3.2.1 Techniques and methodology developed or recognized by the USACE and the USEPA were used in this HHRA. This quantitative HHRA is intended to satisfy USACE internal requirements and DERP-FUDS requirements for risk assessments for RI projects. As recommended by USACE, the quantitative HHRA uses a risk ratio approach to quantify potential risk. USEPA Region 6 risk-based human health screening values and other screening values listed below were used for the risk ratio analyses. NYSDEC soil criteria were qualitatively used in the risk ratio approach but were not used to develop the final risk ratio results. The NYSDEC soil criteria are not specifically derived for cancer and non-cancer risk assessments. Therefore, the NYSDEC soil criteria were only used for comparison purposes, in part because they had been used to develop cleanup criteria for the site remediation.

A1.1.3.2.2 The primary resources for conducting this post-remediation, quantitative risk ratio HHRA are listed and described below.

- *Standard Scopes of Work for HTRW Risk Assessments* (USACE, 2001).
- USEPA Region 6 *Human Health Medium-Specific Screening Levels* (USEPA, 2006a). These medium-specific screening levels (MSSL) are available for soil, groundwater, and surface water. Residential soil MSSLs were used in this HHRA.

- Technical and Administrative Guidance Memorandum #4046, *Determination of Soil Cleanup Objectives and Cleanup Levels* (NYSDEC, 1994). Used for qualitative comparison purposes only.
- The USEPA provides the basic background and approach for performing standard HHRAs (*e.g.*, data evaluation, exposure assessments, *etc*.). General procedures identified in the USEPA's *Risk Assessment Guidance for Superfund* (RAGS) (USEPA, 1989), were also followed for this HHRA in terms of data evaluation, the exposure assessment, and the toxicity assessment. Supplemental USEPA guidelines were also used in conjunction with RAGS.

A1.1.4 ORGANIZATION OF HHRA REPORT

The overall risk assessment process consists of four key steps: data evaluation, exposure assessment, toxicity assessment, and risk characterization. These four steps of risk assessment provide the general outline of this risk assessment report. Because this HHRA uses the risk ratio approach, the outline and overall format is slightly modified from a traditional HHRA report. This HHRA is generally consistent with USEPA guidelines as presented in *Risk Assessment Guidance for Superfund* (RAGS) (USEPA, 1989) and supporting supplemental guidance including the *Standard Scopes of Work for HTRW Risk Assessments* (USACE, 2001). This HHRA report is organized into seven sections and two attachments, as outlined below.

A1.1 Introduction

A1.2 Data Evaluation and Identification of Chemicals of Potential Concern

A1.3 Exposure Assessment

A1.4 Risk Ratio and Screening Criteria Assessment

A1.5 Risk Assessment Results and Uncertainties

A1.6 References

A1.7 Figures, Photographs, and Tables (Data Summary and Risk Calculation Tables)

Attachment A1.A Confirmatory Soil Sample Data (Provided by Shaw Environmental, Inc.)

Attachment A1.B UCL Calculations used in this HHRA

SECTION A1.2

DATA EVALUATION AND IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

A1.2.1 CONFIRMATORY SAMPLE DATA OVERVIEW

A1.2.1.1 Post-remediation soil samples were analyzed for VOCs, SVOCs, pesticides/herbicides, PCBs, and metals. The analytical data for samples that were collected, analyzed and validated by Shaw Environmental during the remediation of AOC 2 are summarized in Attachment A1.A. The data in Attachment A1.A includes those samples used to characterize AOIs, and some of those data were not used in the HHRA because they represent pre-remediation conditions. Similarly, Attachment A1.A includes data for confirmatory samples that were found to be impacted and were used to guide further excavation activities; those data were not used in the HHRA. Only those sample data that characterize the post-remediation conditions were used in the HHRA; those data are shaded in Attachment A1.A and were identified using summary memos from Shaw Environmental and through personal communication with Shaw Environmental staff. Further details of the soil sampling methodology are provided in the Shaw Environmental *Final Project Report* for AOC 2, dated January 2007 (Shaw, 2007).

A1.2.1.2 Excavation limits and confirmatory sample analyses were defined by location and by the analyte group that exceeded relevant NYSDEC criteria during the RI. For example, if in a given area only one analyte group (*e.g.*, metals) exceeded NYSDEC criteria, the confirmatory samples were only analyzed for metals. Because other analyte groups (*e.g.*, VOCs) at that location did not exceed NYSDEC criteria during the RI, those chemicals were not analyzed in the confirmatory samples.

A1.2.1.3 For each class of chemicals, the number of soil samples used in the HHRA varied by chemical class. A total of 67 soil samples were used to assess risk from metals; 87 soil samples were used to assess risk from VOCs; 74 soil samples were used to assess risk from SVOCs, and 74 soil samples were used to assess risk from pesticides in the AOC 2 HHRA. AOC 2 is considered residential, and therefore, exposure to soils would be due via residential pathways, including such activities as gardening, tree planting, and excavation of soil (*i.e,*. for building construction, installation of sprinklers, repairs to sewer lines, etc). The tables in Attachment A1.A summarize the sampling locations and the contaminants that exceed NYSDEC soil quality criteria (individual sample concentrations that exceed criteria are in bold text).

A1.2.2 SCREENING CRITERIA OVERVIEW

A1.2.2.1 Chemicals of potential concern (COPCs) at AOC 2 are those that were detected in soil samples during the RI. COPCs have the potential to impact human health, particularly if present at concentrations above regulatory criteria. Based on USEPA RAGS guidance (USEPA, 1989) and supplemental guidance for data evaluation, the COPC list was refined during an initial screening. One of the steps was to eliminate essential nutrients such as calcium, magnesium, potassium, iron and sodium from the list of chemicals evaluated in the HHRA.

A1.2.2.2 All other organic compounds and metals (hereafter referred to as "chemicals") that were detected in the soil samples at AOC 2 were included in the initial screening. The maximum sample concentrations for each chemical were used as the exposure point concentrations (EPC) and were compared to background concentrations. Using maximum concentrations as EPCs provides a conservative (*i.e.* most health-protective) estimate of exposure to that chemical. For each chemical, if the EPC was greater than the background concentration, it was retained for the risk assessment. If the EPC was less than the background concentration, it was assumed not to be site-related, and was not included in the risk assessment. If no background concentration was available for a chemical, the chemical was retained for the risk assessment. If the risk ratio calculations identified an elevated risk for a particular chemical, a 95 percent upper confidence limit (95% UCL) was calculated for that chemical, and the chemical was re-screened against the background concentration. The maximum detected concentration or the 95% UCL concentration for each chemical as compared to background concentrations are provided for AOC 2 in Table A1.1.

A1.2.2.3 NYSDEC soil criteria were qualitatively used in the risk ratio approach but were not used as the final risk ratio calculations. The NYSDEC soil criteria are not specifically derived for cancer and non-cancer risk assessments. Therefore, the NYSDEC soil criteria were only used for comparison purposes, in part because they had been used to develop cleanup criteria for the site remediation. For each chemical retained after screening against the background value, the EPC was compared to the NYSDEC criteria, shown in Table A1.2. For completeness, the USEPA residential risk-based values are also included on Table A1.2.

A1.2.3 RISK RATIO APPROACH

A1.2.3.1 All chemicals that were retained during the screening steps are considered COPCs. This quantitative HHRA uses a risk ratio approach to quantify potential cancer risk and non-cancer hazard for each COPC in soil. The risk ratio method considers risk averaged across an entire exposure area (*e.g.,* surface soil across AOC 2) and follows a tiered approach. For the site-wide HHRA, all confirmatory sample data were combined into a single data set, and analyses were performed on this single data set for AOC 2.

A1.2.3.2 Initially, maximum chemical concentrations were used as the exposure point concentrations (EPCs). Use of maximum concentrations provides a conservative (*i.e.*, most health-protective) estimate of exposure to that chemical. If an unacceptable risk is calculated using maximum concentrations, then the 95% UCL was calculated and used in the risk ratio approach. The 95% UCLs were calculated using the percentile bootstrap method assuming a non-parametric distribution for all chemicals. This method was performed using USEPA's ProUCL Version 3.0 software (USEPA, 2004b). A minimum of 10 samples is needed for the purposes of calculating the 95% UCL. The confirmatory soil sample data that were used to calculate UCLs are presented in Attachment A1.A. The ProUCL calculations for each UCL are shown in Attachment A1.B. For cases where an analyte was reported as "not detected" in a sample, one half of the detection limit was used in the 95% UCL calculations.

A1.2.3.3 In the risk ratio procedure, the ratio of the EPC (either the maximum concentration or the 95% UCL) was divided by the appropriate screening level for soils. As discussed above, the primary criteria used for the risk ratio analysis was USEPA Region 6 residential MSSLs.

A1.2.3.4 After calculating the risk ratios for individual chemicals using the USEPA MSSLs, the ratios for the individual chemicals were then summed to calculate the cumulative risk. Risk ratios greater than 1 (one) for non-carcinogenic chemicals indicate a potentially unacceptable risk. For carcinogenic chemicals, the acceptable target risk range for carcinogenic risk is one in ten thousand (1×10^{-4}) to one in one million (1×10^{-6}). In the first tier, all carcinogenic chemicals were evaluated together, as were all non-carcinogenic chemicals. There was no unacceptable non-carcinogenic risk identified in this HHRA. However, if the non-carcinogenic chemicals had indicated an unacceptable risk, they would have been evaluated using specific target organs or organ groupings. To estimate the risk associated with multiple non-carcinogenic chemicals, the risks are considered cumulative if the chemicals affect the same target organ. Therefore, if necessary, the target organs would have been identified for all non-carcinogenic chemicals. Because there was no unacceptable non-carcinogenic risk identified in this HHRA, the use of target organ groupings was not necessary in this assessment.

A1.2.3.5 In addition to the chemicals that were screened out by comparison to background concentrations, another chemical that was not quantified using the risk ratio approach was lead. According to USEPA guidance, lead is to be evaluated based on blood lead levels and not the potential for cancer or non-cancer risks. Therefore, lead concentrations detected at the site were directly compared to the treatment technique action level. A detailed discussion of the development of the soil lead values is discussed in the USEPA Region 6 *Human Health Medium-Specific Screening Levels* user's guide (USEPA, 2006a). If lead concentrations at the site exceed the criteria, then unacceptable risk may occur. If lead concentrations are lower than the criteria, then there is no unacceptable risk.

A1.2.3.6 USEPA guidance also allows elimination of COPCs if they are detected in fewer than 5 percent of the samples in a particular medium. This would require a sample set of at least 20 samples. However, detection frequency was only qualitatively reviewed on a case by case basis in this HHRA and only after the risk ratio analysis was performed (*e.g.*, infrequently detected chemicals that are driving an unacceptable risk are identified). Thus, chemicals were not screened from the HHRA based on detection frequency. In summary, all COPCs, except essential nutrients and those chemicals with a maximum concentration less than the background concentration were evaluated in this HHRA.

A1.2.3.7 The risk ratio calculations for AOC 2 soils are presented in Table A1.3.

SECTION A1.3

EXPOSURE ASSESSMENT

A1.3.1 OBJECTIVE

A1.3.1.1 The objective of the exposure assessment is to estimate the type and magnitude of potential exposures to COPCs at the site. The exposure assessment includes identification of potential exposure pathways, receptors, and exposure scenarios, as well as quantification of exposure. Characterization of the exposure setting and identification of all potentially exposed receptors and exposure pathways are discussed in this section. A conceptual site model (CSM) showing results of the exposure assessment is shown on Figure A1.3. Quantification of exposure involves quantifying the magnitude, frequency, and duration of exposure for the receptors and exposure pathways of concern.

A1.3.1.2 Surface soil (that is, the soil exposed at the surface at the time of the confirmatory sampling) has been evaluated as the environmental medium of concern at AOC 2. The exposure pathways relevant to the site are described in this exposure assessment of the HHRA and shown in the CSM.

A1.3.2 CONCEPTUAL SITE MODEL

A1.3.2.1 A CSM is an effective tool for defining site dynamics, streamlining risk assessments, establishing exposure hypotheses, and developing appropriate corrective actions. The CSM for AOC 2 is provided graphically on Figure A1.3, and in further detail in matrix form on Figure A1.4. CSMs are useful for identifying completed exposure pathways between the contaminated media and potential receptors. The purpose of the CSM is to aid in understanding and describing a site and presents the assumptions regarding:

- Suspected sources and types of contaminants present;
- Contaminant release and transport mechanisms;
- Affected media;
- Potential receptors that could come in contact with site-related contaminants in affected media under current and future land use scenarios; and
- Potential routes of exposure.

A1.3.2.2 Descriptions of contaminant sources, release mechanisms, and affected media were provided in Sections A1.1 and A1.2. The potential receptors and completed exposure pathways are discussed in the following subsections. Further description of site characterization information is described in Sections 2 and 3 of this RI report.

A1.3.3 POTENTIAL RECEPTORS AND EXPOSURE PATHWAYS

A1.3.3.1 Potential human receptors are defined as individuals who may be exposed to site-related contaminants in environmental media. Consistent with USEPA (1989) guidance, current and reasonably anticipated land uses were considered in the receptor selection process.

A1.3.3.2 USEPA (1989) defines an exposure pathway as: "The course a chemical or physical agent takes from a source to an exposed organism. An exposure pathway describes a unique mechanism by which an individual or population is exposed to chemicals or physical agents at or originating from a site. Each exposure pathway includes a source or release from a source, an exposure point, and an exposure route. If the exposure point differs from the source, a transport/exposure medium (*e.g.*, air) or media (in cases of intermedia transfer) is also included."

A1.3.3.3 A review of potential exposure pathways links the sources, locations, and types of environmental releases with receptor locations and activity patterns to determine the significant pathways of concern.

A1.3.3.4 Based on the previous investigations and the site visit by the project team performing the risk assessment for the site, the observations and reasonable assumptions for the potential human receptors for AOC 2 are listed below.

- **Current Receptors –** AOC 2 is currently a residential property. One house is located within AOC 2 and is approximately 1000 feet from the remediated areas.
- **Future Receptors –** AOC 2 is expected to remain a residential property. There are no known plans to build additional houses on the property.
- **Current and Future Residential Exposure to Groundwater –** The site is currently a residential property. There was a water supply well on the property, but drinking water for the property is now supplied by the Town of Guilderland public water supply. There are two private wells located on adjacent property that are also no longer in use.

  Groundwater has been used at the Guilderland Central School for irrigation of school grounds/athletic fields. The school, former SADVA, and most residences in the vicinity of AOC 2 are now on the Town of Guilderland public water supply (Town of Guilderland, 2000). The public water supply system was developed after SADVA operations ended. The public used domestic wells before the water system was installed.

  The exposure pathway of concern is the domestic use of groundwater in the area. Although site groundwater is not currently used as a water supply at AOC 2, homes northwest, west, and southwest of AOC 2 currently use private wells. In addition, future groundwater use at, or downgradient of, the site is unknown.

  Groundwater was not evaluated for this HHRA, because planning for post-remediation groundwater sampling is ongoing, and onsite, post-remediation groundwater data are not yet available.

A1.3.4 EXPOSURE PATHWAYS

A1.3.4.1 Soil Exposure Pathway

Exposure to soil may occur via direct contact and wind dispersion of contaminated soil. The receptors and pathways evaluated for soil are listed below:

- Incidental ingestion of surface soil, inhalation of volatiles from surface soil, and dermal contact with surface soil by a current resident. This provides the most conservative risk assessment (*i.e.*, most health protective evaluation).

- Incidental ingestion of surface soil, inhalation of volatiles from surface soil, and dermal contact with surface soil by a future outdoor worker. This is a potentially complete exposure pathway but is not included separately in the risk ratio analysis because it is assumed to be conservatively evaluated under the current resident scenario.

- Incidental ingestion of surface soil, inhalation of volatiles from surface soil, and dermal contact with surface soil by a future resident. This is a potentially complete exposure pathway but is not included separately in the risk ratio analysis because it is assumed to be conservatively evaluated under the current resident scenario.

A1.3.4.2 Groundwater Exposure Pathway

As mentioned, AOC 2 is currently residential and is expected to remain residential in the future. Although the site drinking water wells are no longer in use, there is still a possibility that ingestion of groundwater as drinking water could occur in the future. However, because post-remediation groundwater data is not yet available, this exposure pathway has not been evaluated.

SECTION A1.4

RISK RATIO AND SCREENING CRITERIA ASSESSMENT

A1.4.1 SCREENING AND COMPARISON CRITERIA ASSESSMENT

A1.4.1.1 The screening criteria assessment considers that, if the EPC is less than the background value, there is no risk from that chemical that is attributable to site activities. In addition to essential nutrients being eliminated from this HHRA, the following chemicals were screened from further analysis. In surface soil, the following chemicals were eliminated from analyses:

- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Chrysene
- Fluoranthene
- Phenanthrene
- Pyrene
- Arsenic
- Lead
- Manganese
- Zinc

Table A1.2 shows the qualitative comparison of the EPCs for each analyte to the NYSDEC screening criteria, as well as the USEPA Region 6 residential soil MSSLs. This table is presented for informational purposes.

A1.4.2 RISK RATIO ASSESSMENT

A1.4.2.1 The risk ratio method considers risk averaged across an entire exposure area (*e.g.*, soil across AOC 2) and follows a tiered approach. For the risk ratio assessment, the maximum chemical concentrations were initially used as EPCs to calculate risk. Use of maximum concentrations provides the most health-protective estimate of exposure to a particular chemical. When an unacceptable risk was calculated using the maximum detected concentration, then the 95% UCL was calculated and used as the EPC in the risk ratio approach. The 95% UCLs were calculated using the percentile bootstrap method, assuming a non-parametric distribution of the particular chemical concentrations. This method was performed using USEPA's ProUCL Version 3.0 software (USEPA, 2004b). A minimum of 10 samples is needed to calculate the 95% UCL. A 95% UCL was only calculated for chemicals that have been detected in more than one sample. One-half the sample quantitation limit (SQL) was used as the concentration value for samples in which the chemical was not detected. The ProUCL calculations are provided for each chemical where a 95% UCL was calculated in Attachment A1.B.

A1.4.2.2 In the risk ratio analysis, the EPC is divided by the appropriate screening level for the environmental medium. The EPC is either the maximum detected concentration or the 95% UCL. The initial screening criteria are the background concentrations. If the EPC did not exceed the background range for a particular chemical, the risk ratio was not calculated for that chemical. Background concentrations were available for PAHs, pesticides/PCBs, metals, and other miscellaneous volatile or semivolatile chemicals that are sometimes found in the environment from anthropogenic sources (*e.g.*, acetone, carbazole, *bis*(2-ethylhexyl)phthalate [BEHP], dibenzofuran).

A1.4.2.3 Following calculation of the risk ratios for individual chemicals, the ratios were summed to determine the cumulative risk. Risk ratios greater than 1 (one) for non-carcinogenic chemicals or greater than 1×10^{-4} for carcinogenic chemicals indicate a potential unacceptable risk. In the first tier, all carcinogenic chemicals were evaluated together, as were all non-carcinogenic chemicals. If the non-carcinogenic chemicals had indicated an unacceptable risk, they would have been evaluated using specific target organs or organ groupings. To estimate the risk associated with multiple non-carcinogenic chemicals, the risks are considered cumulative if the chemicals affect the same target organ. Therefore, if necessary, the target organs would have been identified for all non-carcinogenic chemicals. However, because an unacceptable risk was not present for AOC 2, this step was not necessary.

A1.4.3 SOIL SCREENING CRITERIA

A1.4.3.1 The confirmatory soil sample results were compared to NYSDEC soil criteria, background concentrations, and USEPA soil screening levels (*i.e.*, USEPA soil MSSLs). The NYSDEC recommended soil cleanup criteria for metals include provisions for using site-specific background concentrations, as well as reference concentrations for eastern U.S. soils. The background metals concentrations were integrated into the NYSDEC soil criteria using the guidance provided by NYSDEC (1994). Thus, the NYSDEC criteria for metals were derived by integrating the reference concentrations for eastern U.S. soils with the site-specific background concentrations and using the higher of the two concentrations (NYSDEC, 1994). The higher of the reference eastern U.S. soil concentrations and the site-specific background concentration for each metal was accepted as the “NYSDEC soil criterion” for comparison purposes in the data assessment during the RI (see section 3 of the RI report).

A1.4.3.2 The exposure assessment determined that the site should be considered residential for current and future land use. The residential soil risk-based levels from USEPA Region 6 (*i.e.*, the soil MSSLs) were used to evaluate the site data. This provides the most conservative (*i.e.*, most health protective) evaluation.

A1.4.3.3 One screening value (*i.e.*, the soil MSSL) was derived for the combined exposure routes. Thus, incidental ingestion of soil, inhalation of volatiles from soil, and dermal contact with soil are included in the combined exposure route.

A1.4.4 RISK RATIO EQUATIONS

A1.4.4.1 Cancer risks were estimated using an equation that uses either the maximum concentration or the 95% UCL (in cases where the maximum concentration has resulted in unacceptable risk):

$$\text{Cumulative Risk} = \sum (TR) \frac{(EPC_i)}{MSSL_{c-i}}$$

where:

Cumulative Risk	=	Cumulative risk for all carcinogenic COPCs (unitless), where $(TR) \frac{(EPC_i)}{MSSL_{c-i}}$ is the chemical-specific cancer risk for chemical "i";
TR	=	Target lifetime excess cancer risk of 1E-06 (unitless);
EPC_i	=	Exposure point concentration for chemical "i" (mg/kg); and
$MSSL_{c-i}$	=	USEPA Region 6 (2006a) residential cancer-based medium-specific screening level (in mg/kg) for chemical "i".

A1.4.4.2 Non-cancer risks were estimated using an equation that uses either the maximum concentration or the 95% UCL (in cases where the maximum concentration has resulted in unacceptable risk):

$$\text{HI} = \sum (THQ) \frac{(EPC_i)}{MSSL_{nc-i}}$$

where:

HI	=	Cumulative hazard index for non-cancer all COPCs (unitless), where $(THQ) \frac{(EPC_i)}{MSSL_{nc-i}}$ is the chemical-specific non-cancer hazard quotient (HQ) for chemical "i";
THQ	=	Target hazard quotient of one (unitless);
EPC_i	=	Exposure point concentration for chemical "i" (mg/kg); and
$MSSL_{nc-i}$	=	USEPA Region 6 (2006a) residential cancer-based medium-specific screening level (mg/kg) for chemical "i".

SECTION A1.5

RISK ASSESSMENT RESULTS AND UNCERTAINTIES

A1.5.1 OBJECTIVE

The primary objective of this HHRA was to quantitatively characterize the human health risk associated with current and reasonably expected future exposure to soil following the remedial action at AOC 2. All potentially complete exposure pathways for the site were evaluated or were assumed to be evaluated based on more protective exposure scenarios (*e.g.*, the residential scenarios provide very conservative estimates for outdoor worker scenarios). The exposure pathways were outlined in Section A1.3 and were also shown on the CSM (Figure A1.3). The results of the risk ratio quantification are presented in this section.

A1.5.2 SUMMARY OF CARCINOGENIC AND NON-CARCINOGENIC RISK

The calculated risk ratios for each COPC in surface soil are shown in Table A1.3. No unacceptable risks were calculated for the non-carcinogenic or carcinogenic chemicals detected in the soils at AOC 2. The cumulative non-carcinogenic and carcinogenic risk ratio results are 0.84 and 8.0×10^{-7}, respectively, for residential receptors. These results are below the threshold cumulative risk ratios of 1 (one) for non-carcinogenic chemicals and 1×10^{-4} for carcinogenic chemicals, indicating no unacceptable risks are expected at AOC 2.

A1.5.3 UNCERTAINTIES

These risk estimates are designed to be very conservative and likely overestimate potential risk. The risk estimate assumes residential exposure at the exposure point concentration. While this land is residential, the only house on the property is approximately 1000 feet from the location where samples were collected. It is unlikely that residents will be exposed to soil at this location for 350 days/year for 30 years.

SECTION A1.6

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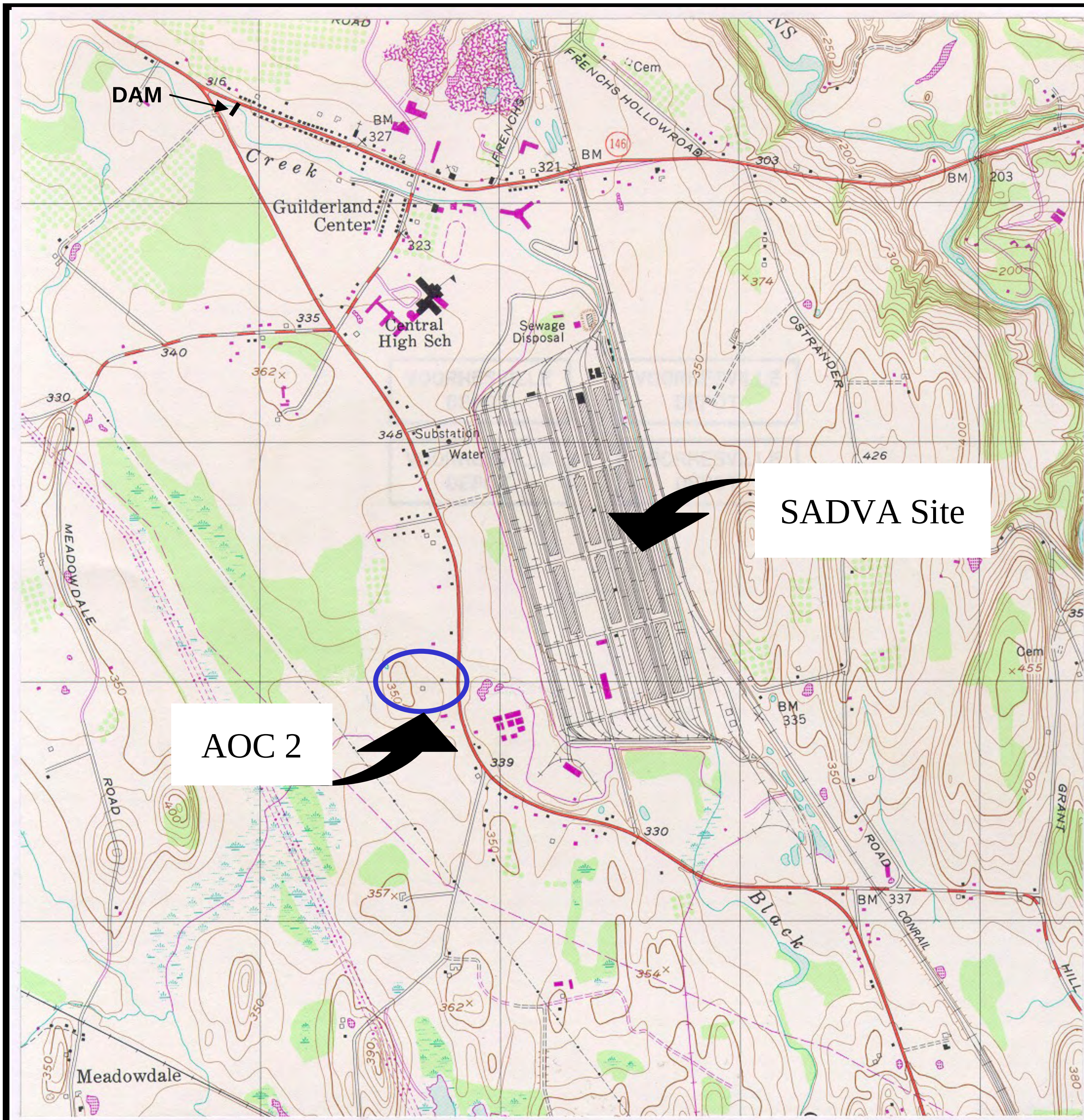
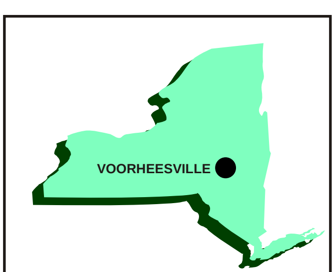
SECTION A1.7

FIGURES, SITE PHOTOGRAPHS, AND TABLES (DATA AND RISK CALCULATION TABLES)





New York Quadrangle

N

LATITUDE: N42° 15' 20"
LONGITUDE: W75° 14' 38"

2000 1000 0

Approximate Scale in Feet

FIGURE A1.1

SADVA
GUILDERLAND, NEW YORK

SITE VICINITY

PARSONS

290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, NY 13088 PHONE: (315) 451-9560

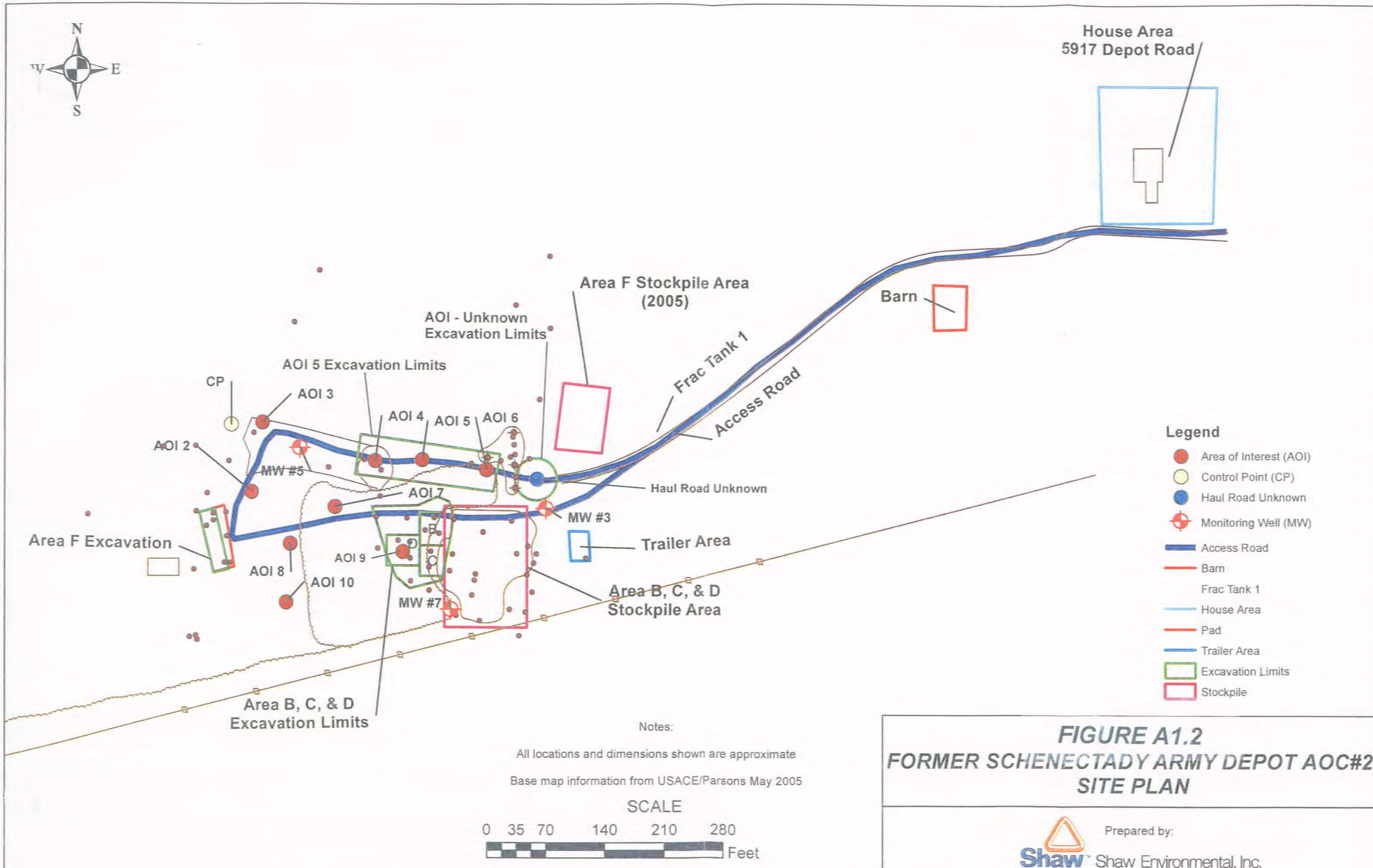


FIGURE A1.2
FORMER SCHENECTADY ARMY DEPOT AOC#2: SITE PLAN

Map Document: (X:\Backup_projects01\Schenectady_AD\GIS_Documents\Project_Maps\SCHNCT_002_fig01_site_plan.mxd)
11/14/2006 -- 9:50:42 AM

Photo A1.1 Facing Southwest at AOC 2 – Pill Bottle Area and Former Paint Residue Area

Photo A1.2 Facing Northeast from AOC 2 – Barn in Background

Figure A1.3 Human Health Conceptual Site Model

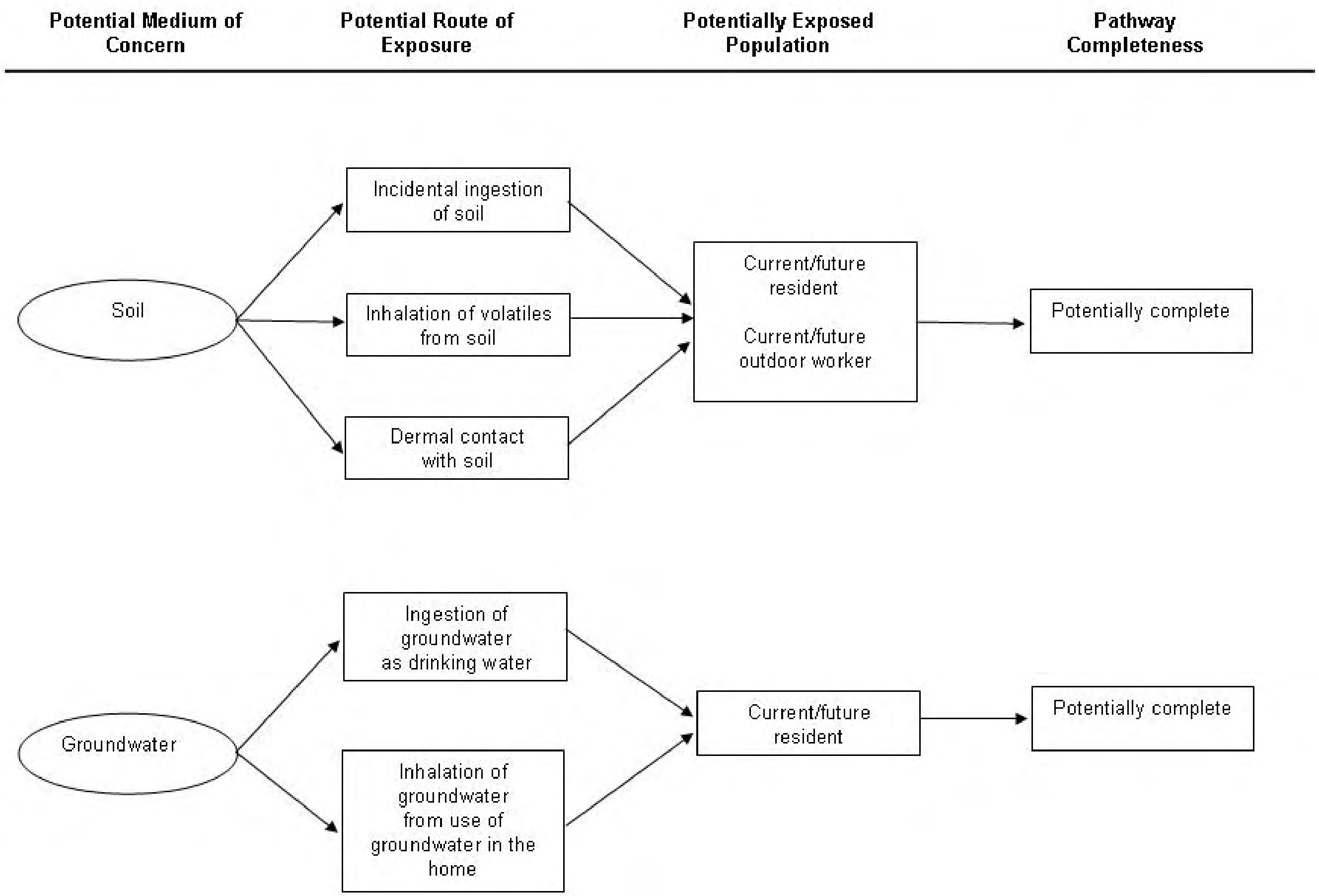


Figure A1.4 Human Health Conceptual Site Model Exposure Pathway Completeness and Assumptions

Potential Medium of Concern	Potential Route of Exposure	Potentially Exposed Population	Pathway Completeness and Assumptions
Soil	• Incidental ingestion of soil • Inhalation of volatiles from soil • Dermal contact with soil	• Current/future resident • Current/future outdoor worker	• Current and/or future resident is a potentially complete pathway. The residential pathway is the most conservative risk assessment (*i.e.*, most health protective evaluation) and is used throughout the AOC 2 HHRA. • Current and/or future outdoor worker is a potentially complete pathway. Exposure for the outdoor worker will be less than for a resident (*i.e.*, shorter duration of exposure over fewer days per year). This pathway is not included in the risk ratio analysis because it is assumed to be conservatively evaluated under the residential scenario.
Groundwater	• Ingestion of groundwater as drinking water • Inhalation of groundwater from use of groundwater in the home (*e.g.*, showering, laundering, and dish washing)	• Current/future resident	• Current and/or future resident is a potentially complete pathway. Additional groundwater sampling at the site is underway. Pending additional data, groundwater is not evaluated in the HHRA.

Table A1.1
Comparison of Exposure Point Concentrations to Background - AOC 2 Soils
Former Schenectady Army Depot - Voorheesville Area

CAS number [1]	Compound	Exposure Point Concentration (units)		EPC Max or UCL?	Site Background Range (units)	EPC Exceeds background?
	Volatiles					
79-00-5	1,1,2-Trichloroethane	55	µg/kg	max		yes
156-60-5	trans-1,2 Dichloroethene	120	µg/kg	max		yes
108-10-1	4-Methyl-2-Pentanone (MIBK)	16	µg/kg	max		yes
67-64-1	Acetone	150	µg/kg	max	ND - 3.1 µg/kg	yes
71-43-2	Benzene	12	µg/kg	UCL		yes
75-15-0	Carbon Disulfide	15	µg/kg	max		yes
67-66-3	Chloroform	5	µg/kg	max		yes
74-87-3	Chloromethane	6	µg/kg	max		yes
100-41-4	Ethylbenzene	1,100	µg/kg	max		yes
76-13-1	Freon 113	11	µg/kg	max		yes
75-09-2	Methylene Chloride	33	µg/kg	max		yes
100-42-5	Styrene	30	µg/kg	max		yes
108-88-3	Toluene	240	µg/kg	max		yes
75-01-4	Vinyl Chloride	10	µg/kg	UCL		yes
1330-20-7	Xylenes (total)	1,030	µg/kg	max		yes
	Semivolatiles					
91-57-6	2-Methylnaphthalene	310	µg/kg	max		yes
120-12-7	Anthracene	51	µg/kg	max	ND - 61 µg/kg	no
56-55-3	Benzo(a)anthracene	54	µg/kg	max	ND - 410 µg/kg	no
50-32-8	Benzo(a)pyrene	350	µg/kg	max	ND - 550 µg/kg	no
205-99-2	Benzo(b)fluoranthene	56	µg/kg	max	ND - 620 µg/kg	no
218-01-9	Chrysene	56	µg/kg	max	ND - 680 µg/kg	no
206-44-0	Fluoranthene	62	µg/kg	max	ND - 940 µg/kg	no
86-73-7	Fluorene	37	µg/kg	max	ND - 23 µg/kg	yes
78-59-1	Isophorone	76	µg/kg	max		yes
91-20-3	Naphthalene	1,200	µg/kg	max		yes
85-01-8	Phenanthrene	240	µg/kg	max	ND - 480 µg/kg	no
129-00-0	Pyrene	85	µg/kg	max	ND - 750 µg/kg	no
117-81-7	bis(2-ethylhexyl) phthalate	9,205	µg/kg	UCL		yes
84-74-2	di-n-Butyl Phthalate	260	µg/kg	max		yes
117-84-0	di-n-Octyl Phthalate	62	µg/kg	max		yes
	Pesticides					
72-54-8	4,4'-DDD	12	µg/kg	UCL	ND - 1.2 µg/kg	yes
72-55-9	4,4'-DDE	52	µg/kg	max	ND - 9.4 µg/kg	yes
50-29-3	4,4'-DDT	20	µg/kg	UCL	0.61 - 15 µg/kg	yes
58-89-9	Gamma-BHC (Lindane)	1	µg/kg	max		yes
	Metals					
7429-90-5	Aluminum	15,103	mg/kg	UCL	7,080 - 12,800 mg/kg	yes
7440-36-0	Antimony	1	mg/kg	UCL	0.2 - 0.59 mg/kg	yes
7440-38-2	Arsenic	13	mg/kg	max	4.3 - 16.4 mg/kg	no
7440-39-3	Barium	246	mg/kg	max	33 - 104 mg/kg	yes
7440-41-7	Beryllium	1	mg/kg	max	0.38 - 0.67 mg/kg	yes
7440-43-9	Cadmium	1	mg/kg	max	0.21 - 0.52 mg/kg	yes
7440-47-3	Chromium	22	mg/kg	UCL	9.3 - 17.5 mg/kg	yes
7440-48-4	Cobalt	41	mg/kg	max	5.3 - 12.2 mg/kg	yes
7440-50-8	Copper	50	mg/kg	max	13.4 - 26.9 mg/kg	yes
7439-92-1	Lead	40	mg/kg	max	16.5 - 60.8 mg/kg	no
7439-96-5	Manganese	543	mg/kg	UCL	197 - 875 mg/kg	no
7439-97-6	Mercury	0	mg/kg	max	0.039 - 0.095 mg/kg	yes
7440-02-0	Nickel	45	mg/kg	max	10.6 - 24.8 mg/kg	yes
7782-49-2	Selenium	2	mg/kg	max	0.44 - 1.2 mg/kg	yes
7440-22-4	Silver	2	mg/kg	max	0.16 - 0.17 mg/kg	yes
7440-28-0	Thallium	1	mg/kg	UCL	ND - 0.67 mg/kg	yes
7440-62-2	Vanadium	25	mg/kg	UCL	13.7 - 24 mg/kg	yes
7440-66-6	Zinc	111	mg/kg	max	46 - 134 mg/kg	no

ND non-detect
UCL 95% Upper Confidence Limit

Table A1.2
Comparison of Exposure Point Concentrations to NYSDEC Screening Criteria - AOC 2 Soils
Former Schenectady Army Depot - Voorheesville Area

CAS number	Compound	Exposure Point Concentration (units)		EPC Max or UCL?	NYSDEC Recommended Soil Cleanup Objective (units)		EPC Exceed NYSDEC?	Residential USEPA Region 6 Risk-Based Screening Level (units)		EPC Exceed USEPA?
	Volatiles									
79-00-5	1,1,2-Trichloroethane	55	µg/kg	max	--		no	840	µg/kg	no
156-60-5	trans-1,2 Dichloroethene	120	µg/kg	max	300	µg/kg	no	63,000	µg/kg	no
108-10-1	4-Methyl-2-Pentanone (MIBK)	16	µg/kg	max	1,000	µg/kg	no	5,800,000	µg/kg	no
67-64-1	Acetone	150	µg/kg	max	200	µg/kg	no	14,000,000	µg/kg	no
71-43-2	Benzene	12	µg/kg	UCL	60	µg/kg	no	660	µg/kg	no
75-15-0	Carbon Disulfide	15	µg/kg	max	2,700	µg/kg	no	720,000	µg/kg	no
67-66-3	Chloroform	5	µg/kg	max	300	µg/kg	no	250	µg/kg	no
74-87-3	Chloromethane	6	µg/kg	max	--		no	1,300	µg/kg	no
100-41-4	Ethylbenzene	1,100	µg/kg	max	5,500	µg/kg	no	230,000	µg/kg	no
76-13-1	Freon 113	11	µg/kg	max	6,000	µg/kg	no	5,600,000	µg/kg	no
75-09-2	Methylene Chloride	33	µg/kg	max	100	µg/kg	no	8,900	µg/kg	no
100-42-5	Styrene	30	µg/kg	max	--	--	no	1,700,000	µg/kg	no
108-88-3	Toluene	240	µg/kg	max	1,500	µg/kg	no	520,000	µg/kg	no
75-01-4	Vinyl Chloride	10	µg/kg	UCL	200	µg/kg	no	43	µg/kg	no
1330-20-7	Xylenes (total)	1,030	µg/kg	max	1,200	µg/kg	no	210,000	µg/kg	no
	Semivolatiles									
91-57-6	2-Methylnaphthalene	310	µg/kg	max	36,400	µg/kg	no	120,000	µg/kg	no
86-73-7	Fluorene	37	µg/kg	max	50,000	µg/kg	no	2,600,000	µg/kg	no
78-59-1	Isophorone	76	µg/kg	max	4,400	µg/kg	no	510,000	µg/kg	no
91-20-3	Naphthalene	1,200	µg/kg	max	13,000	µg/kg	no	120,000	µg/kg	no
117-81-7	bis(2-ethylhexyl) phthalate	9,205	µg/kg	UCL	50,000	µg/kg	no	35,000	µg/kg	no
84-74-2	di-n-Butyl Phthalate	260	µg/kg	max	8,100	µg/kg	no	3,100,000	µg/kg	no
117-84-0	di-n-Octyl Phthalate	62	µg/kg	max	50,000	µg/kg	no	2,400,000	µg/kg	no
	Pesticides									
72-54-8	4,4'-DDD	12	µg/kg	UCL	2900	µg/kg	no	2,400	µg/kg	no
72-55-9	4,4'-DDE	52	µg/kg	max	2100	µg/kg	no	1,700	µg/kg	no
50-29-3	4,4'-DDT	20	µg/kg	UCL	2100	µg/kg	no	1,700	µg/kg	no
58-89-9	Gamma-BHC (Lindane)	1	µg/kg	max	60	µg/kg	no	440	µg/kg	no
	Metals									
7429-90-5	Aluminum	15,103	mg/kg	UCL	--	mg/kg	no	76,000	mg/kg	no
7440-36-0	Antimony	1	mg/kg	UCL	--	mg/kg	no	31	mg/kg	no
7440-39-3	Barium	246	mg/kg	max	300	mg/kg	no	16,000	mg/kg	no
7440-41-7	Beryllium	1	mg/kg	max	0.16	mg/kg	yes	150	mg/kg	no
7440-43-9	Cadmium	1	mg/kg	max	1	mg/kg	no	39	mg/kg	no
7440-47-3	Chromium	22	mg/kg	UCL	10	mg/kg	yes	210	mg/kg	no
7440-48-4	Cobalt	41	mg/kg	max	30	mg/kg	yes	900	mg/kg	no
7440-50-8	Copper	50	mg/kg	max	25	mg/kg	yes	2,900	mg/kg	no
7439-97-6	Mercury	0	mg/kg	max	0.1	mg/kg	yes	23	mg/kg	no
7440-02-0	Nickel	45	mg/kg	max	13	mg/kg	yes	1,600	mg/kg	no
7782-49-2	Selenium	2	mg/kg	max	2	mg/kg	no	390	mg/kg	no
7440-22-4	Silver	2	mg/kg	max	--	mg/kg	no	290	mg/kg	no
7440-28-0	Thallium	1	mg/kg	UCL	--	mg/kg	no	5.5	mg/kg	no
7440-62-2	Vanadium	25	mg/kg	UCL	150	mg/kg	no	78	mg/kg	no

ND non-detect
UCL 95% Upper Confidence Limit
-- Criteria not available

Table A1.3
Risk Ratio Calculations - AOC 2 Soils
Former Schenectady Army Depot - Voorheesville Area

CAS number	Compound	Exposure Point Concentration (units)		EPC Max or UCL?	Residential USEPA Region 6 Risk-Based Screening Level (units)		Carcino-genic?	Residential Non-Carc Risk Ratio (EPC/USEPA)	Residential Carc Risk Ratio (EPC/USEPA)
	Volatiles								
79-00-5	1,1,2-Trichloroethane	55	µg/kg	max	840	µg/kg	yes	--	6.5E-08
156-60-5	trans-1,2 Dichloroethene	120	µg/kg	max	63,000	µg/kg	no	1.9E-03	--
108-10-1	4-Methyl-2-Pentanone (MIBK)	16	µg/kg	max	5,800,000	µg/kg	no	2.8E-06	--
67-64-1	Acetone	150	µg/kg	max	14,000,000	µg/kg	no	1.1E-05	--
71-43-2	Benzene	12	µg/kg	UCL	660	µg/kg	yes	--	1.8E-08
75-15-0	Carbon Disulfide	15	µg/kg	max	720,000	µg/kg	no	2.1E-05	--
67-66-3	Chloroform	5	µg/kg	max	250	µg/kg	yes	--	1.9E-08
74-87-3	Chloromethane	6	µg/kg	max	1,300	µg/kg	yes	--	4.5E-09
100-41-4	Ethylbenzene	1,100	µg/kg	max	230,000	µg/kg	no	4.8E-03	--
76-13-1	Freon 113	11	µg/kg	max	5,600,000	µg/kg	no	2.0E-06	--
75-09-2	Methylene Chloride	33	µg/kg	max	8,900	µg/kg	yes	--	3.7E-09
100-42-5	Styrene	30	µg/kg	max	1,700,000	µg/kg	no	1.8E-05	--
108-88-3	Toluene	240	µg/kg	max	520,000	µg/kg	no	4.6E-04	--
75-01-4	Vinyl Chloride	10	µg/kg	UCL	43	µg/kg	yes	--	2.3E-07
1330-20-7	Xylenes (total)	1,030	µg/kg	max	210,000	µg/kg	no	4.9E-03	--
	Semivolatiles								
91-57-6	2-Methylnaphthalene	310	µg/kg	max	120,000	µg/kg	no	2.6E-03	--
86-73-7	Fluorene	37	µg/kg	max	2,600,000	µg/kg	no	1.4E-05	--
78-59-1	Isophorone	76	µg/kg	max	510,000	µg/kg	yes	--	1.5E-10
91-20-3	Naphthalene	1,200	µg/kg	max	120,000	µg/kg	no	1.0E-02	--
117-81-7	bis(2-ethylhexyl) phthalate	9,205	µg/kg	UCL	35,000	µg/kg	yes	--	2.6E-07
84-74-2	di-n-Butyl Phthalate	260	µg/kg	max	3,100,000	µg/kg	no	8.4E-05	--
117-84-0	di-n-Octyl Phthalate	62	µg/kg	max	2,400,000	µg/kg	no	2.6E-05	--
	Pesticides								
72-54-8	4,4'-DDD	12	µg/kg	UCL	2,400	µg/kg	yes	--	5.0E-09
72-55-9	4,4'-DDE	52	µg/kg	max	1,700	µg/kg	yes	--	3.1E-08
50-29-3	4,4'-DDT	20	µg/kg	UCL	1,700	µg/kg	yes	--	1.2E-08
58-89-9	Gamma-BHC (Lindane)	1	µg/kg	max	440	µg/kg	yes	--	1.5E-09
	Metals								
7429-90-5	Aluminum	15,103	mg/kg	UCL	76,000	mg/kg	no	2.0E-01	--
7440-36-0	Antimony	1	mg/kg	UCL	31	mg/kg	no	3.2E-02	--
7440-39-3	Barium	246	mg/kg	max	16,000	mg/kg	no	1.5E-02	--
7440-41-7	Beryllium	1	mg/kg	max	150	mg/kg	no	9.3E-03	--
7440-43-9	Cadmium	1	mg/kg	max	39	mg/kg	no	2.3E-02	--
7440-47-3	Chromium	22	mg/kg	UCL	210	mg/kg	yes	--	1.1E-07
7440-48-4	Cobalt	41	mg/kg	max	900	mg/kg	yes	--	4.6E-08
7440-50-8	Copper	50	mg/kg	max	2,900	mg/kg	no	1.7E-02	--
7439-97-6	Mercury	0	mg/kg	max	23	mg/kg	no	1.7E-02	--
7440-02-0	Nickel	45	mg/kg	max	1,600	mg/kg	no	2.8E-02	--
7782-49-2	Selenium	2	mg/kg	max	390	mg/kg	no	4.4E-03	--
7440-22-4	Silver	2	mg/kg	max	290	mg/kg	no	6.2E-03	--
7440-28-0	Thallium	1	mg/kg	UCL	5.5	mg/kg	no	1.4E-01	--
7440-62-2	Vanadium	25	mg/kg	UCL	78	mg/kg	no	3.2E-01	--
					Cumulative Risk Ratio			**0.84**	**8.00E-07**

UCL 95% Upper Confidence Limit

ATTACHMENT A1.A

CONFIRMATORY SOIL SAMPLE DATA

(FROM SHAW ENVIRONMENTAL)

VOCS

(SHADED DATA HAVE BEEN USED IN THE HHRA CALCULATIONS)

AREA B SAMPLES

Compound	NYDEC RSCO (mg/kg)	EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-7	EX-B-8	EX-B-9	EX-B-10	EX-B-11	EX-B-12	EX-B-13	EX-B-14	EX-B-15	EX-B-16	EX-B-DUP
		10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	0.8	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1,2,2-Tetrachloroethane	0.6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1,2-Trichloroethane	NS	0.011	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1-Dichloroethane	0.2	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1-Dichloroethene	NS																	
1,2-Dichlorobenzene	7.9	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,2-Dichloroethane	NS																	
1,3-Dichlorobenzene	1.6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,3-Dichloropropane	NS																	
1,4-Dichlorobenzene	8.5	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
trans -1,2 Dichloroethene	0.3	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
2-Butanone (MEK)	0.3	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
4-Methyl-2-Pentanone (MIBK)	1	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Acetone	0.2	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	0.020	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Benzene	0.06	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	0.0036	<0.0059	<0.0058	0.0013	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Bromomethane	NS	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Carbon Disulfide	2.7	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Carbon Tetrachloride	0.6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chlorobenzene	1.7	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	0.024	<0.011	<0.011	<0.011	<0.011	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chloroethane	1.9	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Chloroform	0.3	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chloromethane	NS	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Dibromochloromethane	NS	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Ethylbenzene	5.5	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	0.013	<0.011	<0.011	<0.011	<0.011	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Freon 113	6	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Methylene Chloride	0.1	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Styrene	NS	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Tetrachloroethene	1.4	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Toluene	1.5	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Trichloroethene	0.7	<0.0068	<0.0058	<0.0056	<0.0056	<0.0058	<0.0055	<0.0059	<0.0058	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Vinyl Chloride	0.2	<0.014	<0.012	<0.011	<0.011	<0.012	<0.011	<0.012	<0.012	<0.011	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Xylenes	1.2	<0.0068	<0.0058	0.0083	<0.0056	<0.0058	0.011	<0.0059	0.014	<0.0057	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058

Compound	EX-B-1RE	EX-B-2RE	EX-B-4RE	EX-B-5RE	EX-B-6RE	EX-B-7RE	EX-B-8RE	EX-B-10RE	EX-B-11RE	EX-B-12RE	EX-B-13RE	EX-B-14RE	EX-B-15RE	EX-B-16RE	EX-B-DUPRE
	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
1,1,1,-Trichloroethane	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1,2,2-Tetrachloroethane	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1,2-Trichloroethane	<.140	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1-Dichloroethane	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,1-Dichloroethene															
1,2-Dichlorobenzene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,2-Dichloroethane															
1,3-Dichlorobenzene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
1,3-Dichloropropane															
1,4-Dichlorobenzene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
trans -1,2 Dichloroethene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
2-Butanone (MEK)	<.140	<0.012	<0.011	<0.012	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
4-Methyl-2-Pentanone (MIBK)	<.140	<0.012	<0.011	<0.012	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Acetone	<.140	<0.012	<0.011	<0.012	0.0064	<0.012	<0.120	<0.011	0.0043	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Benzene	<0.068	<0.0058	<0.0056	<0.0058	0.0043	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Bromomethane	<.140	<0.012	<0.011	<0.012	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Carbon Disulfide	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Carbon Tetrachloride	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chlorobenzene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.120	<0.011	<0.011	<0.011	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chloroethane	<.140	<0.012	<0.011	<0.012	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Chloroform	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Chloromethane	<.140	<0.012	<0.011	<0.012	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Dibromochloromethane	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Ethylbenzene	<0.068	<0.0058	0.0013	<0.0058	0.003	<0.0059	<0.120	<0.011	<0.011	<0.011	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Freon 113	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Methylene Chloride	<.140	0.002	0.0015	0.0014	0.0017	0.0014	<0.120	0.0016	0.0013	0.0012	0.0026	<0.012	<0.012	0.0019	<0.012
Styrene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Tetrachloroethene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Toluene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Trichloroethene	<0.068	<0.0058	<0.0056	<0.0058	<0.0055	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058
Vinyl Chloride	<.140	<0.012	<0.011	<0.012	<0.011	<0.012	<0.120	<0.011	<0.011	<0.011	<0.012	<0.012	<0.012	<0.014	<0.012
Xylenes	<0.068	<0.0058	0.0094	<0.0058	0.024	<0.0059	<0.058	<0.0055	<0.0056	<0.0056	<0.0058	<0.0058	<0.0059	<0.0069	<0.0058

AREA C SAMPLES

Compound	NYDEC RSCO (mg/kg)	EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5	EX-C-6	EX-C-7	EX-C-8	EX-C-9	EX-C-10	EX-C-11
		9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
1,1,1,-Trichloroethane	0.8	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1,2,2-Tetrachloroethane	0.6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1,2-Trichloroethane	NS	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1-Dichloroethane	0.2	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,1-Dichloroethene		<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,2-Dichlorobenzene	7.9	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,2-Dichloroethane		<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,3-Dichlorobenzene	1.6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,3-Dichloropropane		<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
1,4-Dichlorobenzene	8.5	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
trans -1,2 Dichloroethene	0.3	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
2-Butanone (MEK)	0.3	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
4-Methyl-2-Pentanone (MIBK)	1	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Acetone	0.2	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Benzene	0.06	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Bromomethane	NS	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Carbon Disulfide	2.7	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Carbon Tetrachloride	0.6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Chlorobenzene	1.7	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Chloroethane	1.9	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Chloroform	0.3	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Chloromethane	NS	<0.012	<0.012	<0.011	<0.011	<0.012	<0.011	<0.011	<0.012	<0.013	<0.012	<0.011
Dibromochloromethane	NS	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Ethylbenzene	5.5	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Freon 113	6	<0.0059	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Methylene Chloride	0.1	0.0034-J	0.0027-J	0.0058	0.0046-J	0.005-J	0.0046-J	0.0032-J	0.0027-J	0.0033-J	0.0037-J	0.0054
Styrene	NS	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Tetrachloroethene	1.4	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Toluene	1.5	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Trichloroethene	0.7	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054
Vinyl Chloride	0.2	<0.012	<0.012	<0.011	0.012	0.013	0.016	0.013	0.012	0.012-J	0.012	0.014
Xylenes	1.2	<5.9-U	<0.0058	<0.0056	<0.0053	<0.0057	<0.0055	<0.0054	<0.006	<0.0065	<0.0058	<0.0054

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Compound	NYDEC RSCO (mg/kg)	EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5	EX-D-6	EX-D-7	EX-D-8	EX-D-9	EX-D-10	EX-D-11
		11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
1,1,1,-Trichloroethane	0.8	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,1,2,2-Tetrachloroethane	0.6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,1,2-Trichloroethane	NS	0.055	<0.0059	0.29	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,1-Dichloroethane	0.2	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,1-Dichloroethene		<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,2-Dichlorobenzene	7.9	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,2-Dichloroethane		<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,3-Dichlorobenzene	1.6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,2-Dichloropropane		<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
1,4-Dichlorobenzene	8.5	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
trans -1,2 Dichloroethene	0.3	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
2-Butanone (MEK)	0.3	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
4-Methyl-2-Pentanone (MIBK)	1	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Acetone	0.2	<0.012	<0.012	0.02	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	0.15	<0.012
Benzene	0.06	<0.0058	<0.0059	0.022	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Bromomethane	NS	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Carbon Disulfide	2.7	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Carbon Tetrachloride	0.6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Chlorobenzene	1.7	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Chloroethane	1.9	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Chloroform	0.3	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Chloromethane	NS	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Dibromochloromethane	NS	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Ethylbenzene	5.5	0.02	<0.0059	0.73	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Freon 113	6	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Methylene Chloride	0.1	<0.012	0.0031-J	0.0045-J	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Styrene	NS	0.0015-J	<0.0059	0.057	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Tetrachloroethene	1.4	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Toluene	1.5	<0.0058	<0.0059	0.22	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Trichloroethene	0.7	<0.0058	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059
Vinyl Chloride	0.2	<0.012	<0.012	<0.012	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Xylenes	1.2	0.055	<0.0059	<0.0058	<0.0056	<0.0059	<0.006	<0.0061	<0.0061	<0.0059	<0.0061	<0.0059

Compound	NYDEC RSCO (mg/kg)	EX-D-12	EX-D-13	EX-D-14	EX-D-15	EX-D-16	EX-D-17	EX-D-18	EX-D-19	EX-D-20
		11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
1,1,1,-Trichloroethane	0.8	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,1,2,2-Tetrachloroethane	0.6	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,1,2-Trichloroethane	NS	0.038-J	<0.0059	<0.0086	<0.0057	<0.0056	6.9	0.017-J	<0.0057	<0.063
1,1-Dichloroethane	0.2	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,1-Dichloroethene		<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,2-Dichlorobenzene	7.9	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,2-Dichloroethane		<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,3-Dichlorobenzene	1.6	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,2-Dichloropropane		<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
1,4-Dichlorobenzene	8.5	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
trans -1,2 Dichloroethene	0.3	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
2-Butanone (MEK)	0.3	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011	<0.011	<0.130
4-Methyl-2-Pentanone (MIBK)	1	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011	<0.011	<0.130
Acetone	0.2	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	0.027	0.14	**0.47**
Benzene	0.06	<0.0058	<0.0059	<0.0086	<0.0057	0.0036-J	**0.17**	0.0094	**0.23**	**0.39**
Bromomethane	NS	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011	<0.011	<0.130
Carbon Disulfide	2.7	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Carbon Tetrachloride	0.6	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Chlorobenzene	1.7	0.025-J	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Chloroethane	1.9	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011	<0.011	<0.130
Chloroform	0.3	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Chloromethane	NS	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011	<0.011	<0.130
Dibromochloromethane	NS	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Ethylbenzene	5.5	0.23	0.0057-J	<0.0086	<0.0057	0.0027-J	**37**	0.023-J	1.1	**28**
Freon 113	6	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Methylene Chloride	0.1	<0.120	<0.012	<0.017	<0.011	<0.011	<0.110	<0.011	<0.011	0.037-J
Styrene	NS	0.037-J	<0.0059	<0.0086	<0.0057	<0.0056	1	0.03	0.081	0.69
Tetrachloroethene	1.4	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Toluene	1.5	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	**2.8**	0.075	0.15	0.63
Trichloroethene	0.7	<0.0058	<0.0059	<0.0086	<0.0057	<0.0056	<0.055	<0.0057	<0.0057	<0.063
Vinyl Chloride	0.2	<0.120	0.0021-J	<0.017	<0.011	0.0025-J	0.023-J	<0.011	0.016-J	<0.130
Xylenes	1.2	**2.8**	0.029	<0.0086	<0.0057	0.02	**330**	0.61	0.71	**240**

Compound	NYDEC RSCO (mg/kg)	EX-D-Duplicate	EX-D-21	EX-D-22	EX-D-Duplicate 2	EX-D-27	EX-D-28	EX-D-29	EX-D-30	EX-D-31	EX-D-32	EX-D Duplicate 4
		11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/21/2005	11/21/2005	11/21/2005	11/21/2005	11/21/2005	11/21/2005	11/21/2005
1,1,1,-Trichloroethane	0.8	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.6	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.0062	0.22	1.1	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	0.2	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene		<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	7.9	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane		<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	1.6	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloropropane		<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	8.5	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans -1,2 Dichloroethene	0.3	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	0.3	<0.012	<0.058	<0.110	<0.120	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methyl-2-Pentanone (MIBK)	1	<0.012	<0.058	<0.110	<0.120	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acetone	0.2	<0.012	0.17	0.18	0.41	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzene	0.06	<0.0062	**0.35**	**0.065**	**0.094**	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.012	<0.058	<0.110	<0.120	<0.025	<0.005	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon Disulfide	2.7	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.6	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	1.7	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	1.9	<0.012	<0.058	<0.110	<0.120	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloroform	0.3	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.012	<0.058	<0.110	<0.120	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibromochloromethane	NS	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	5.5	<0.0062	0.7	**6.7**	0.46	0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	6	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.1	<0.012	0.014-J	0.023-J	0.025-J	0.033	0.006	0.006	<0.005	0.005	0.005	0.006
Styrene	NS	<0.0062	0.23	0.45	0.46	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.4	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	1.5	<0.0062	1.2	0.49	0.14	0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.7	<0.0062	<0.029	<0.056	<0.062	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.2	<0.012	0.0085-J	0.022-J	<0.120	<0.050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1.2	<0.0062	**16**	**170**	**620**	1.03	<0.005	<0.005	<0.005	0.012	<0.005	<0.005

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Compound	NYDEC RSCO (mg/kg)	EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5	EX-F-6	EX-F-7	EX-F-8	EX-F-9	EX-F-10	EX-F-11
		9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
1,1,1-Trichloroethane	0.8	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,1,2,2-Tetrachloroethane	0.6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,1,2-Trichloroethane	NS	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,1-Dichloroethane	0.2	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,2-Dichlorobenzene	7.9	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,3-Dichlorobenzene	1.6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
1,4-Dichlorobenzene	8.5	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
trans -1,2 Dichloroethene	0.3	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
2-Butanone (MEK)	0.3	<0.013	<0.010	<0.012	<0.012	<0.011	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
4-Methyl-2-Pentanone (MIBK)	1	<0.013	<0.010	<0.012	<0.012	<0.011	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Acetone	0.2	0.011-J	0.011-J	0.016	0.039	0.015	0.023	0.021	0.0092-J	0.021	0.014	<0.013
Benzene	0.06	<0.0065	<0.0051	<0.0062	0.0032-J	<0.0056	<0.0057	0.0032-J	<0.0047	<0.0058	<0.0059	<0.0064
Bromomethane	NS	<0.013	<0.010	<0.012	0.0023-J	0.0019-J	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Carbon Disulfide	2.7	<0.0065	<0.0051	<0.0062	0.015	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Carbon Tetrachloride	0.6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Chlorobenzene	1.7	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Chloroethane	1.9	<0.013	<0.010	<0.012	<0.012	<0.011	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Chloroform	0.3	<0.0065	<0.0051	0.0038-J	<0.0060	<0.0056	0.0036-J	<0.0058	<0.0047	0.0040-J	0.0044-J	0.0045-J
Chloromethane	NS	0.0032-J	0.0035-J	0.0058-J	<0.0060	0.0033-J	0.0054-J	<0.012	0.0029-J	0.0050-J	<0.012	<0.013
Dibromochloromethane	NS	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Ethylbenzene	5.5	<0.0065	<0.0051	<0.0062	0.0050-J	<0.0056	<0.0057	0.0033-J	<0.0047	<0.0058	<0.0059	0.0014-J
Freon 113	6	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Methylene Chloride	0.1	<0.0065	0.0011-J	0.0022-J	<0.012	0.0013-J	0.0016-J	0.0027-J	<0.0094	0.0016-J	0.0025-J	0.0016-J
Styrene	NS	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Tetrachloroethene	1.4	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Toluene	1.5	<0.0065	<0.0051	<0.0062	0.0018	<0.0056	<0.0057	0.014	<0.0047	<0.0058	<0.0059	<0.0064
Trichloroethene	0.7	<0.0065	<0.0051	<0.0062	<0.0060	<0.0056	<0.0057	<0.0058	<0.0047	<0.0058	<0.0059	<0.0064
Vinyl Chloride	0.2	<0.013	<0.010	<0.012	<0.012	<0.011	<0.011	<0.012	<0.0094	<0.012	<0.012	<0.013
Xylenes	1.2	<0.0065	<0.0051	<0.0062	0.023	<0.0056	<0.0057	0.0094	<0.0047	<0.0058	<0.0059	<0.0064

Compound	NYDEC RSCO (mg/kg)	EX-F-12	EX-F-13	EX-F-14	EX-F-15	EX-F-16	EX-F-17	EX-F-18	EX-F-19	EX-F-20	EX-F-21	EX-F-22	EX-F-Duplicate#2
		9/23/2005	9/23/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005
1,1,1-Trichloroethane	0.8	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	0.6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	NS	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethane	0.2	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	7.9	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	1.6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	8.5	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans -1,2 Dichloroethene	0.3	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Butanone (MEK)	0.3	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
4-Methyl-2-Pentanone (MIBK)	1	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acetone	0.2	<0.013	0.015	<0.010	0.014	<0.010	<0.010	<0.010	0.031	0.011	0.017	0.013	<0.010
Benzene	0.06	0.0022-J	0.004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromomethane	NS	<0.013	<0.0058	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Carbon Disulfide	2.7	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Tetrachloride	0.6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	1.7	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	1.9	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chloroform	0.3	0.0035-J	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloromethane	NS	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibromochloromethane	NS	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	5.5	0.0023-J	0.0041	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Freon 113	6	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methylene Chloride	0.1	<0.013	<0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Styrene	NS	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Tetrachloroethene	1.4	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	1.5	<0.0063	0.24	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Trichloroethene	0.7	<0.0063	<0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vinyl Chloride	0.2	<0.013	<0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Xylenes	1.2	0.009	0.26	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

AREA F SAMPLES, 2006 DATA

Compound	NYDEC RSCO (mg/kg)	EX-F-23	EX-F-24	EX-F-25	EX-F-26	EX-F-27	EX-F-28	EX-F-29	EX-F-30	EX-F-31	EX-F-32
		9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/7/2006	9/8/2006	9/8/2006	9/8/2006	9/9/2006	9/9/2006
1,1,1-Trichloroethane	0.8	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,1,2,2-Tetrachloroethane	0.6	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,1,2-Trichloroethane	NS	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,1-Dichloroethane	0.2	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,2-Dichlorobenzene	7.9	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,3-Dichlorobenzene	1.6	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
1,4-Dichlorobenzene	8.5	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
trans -1,2 Dichloroethene	0.3	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
2-Butanone (MEK)	0.3	0.12	<0.013	<0.011	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
4-Methyl-2-Pentanone (MIBK)	1	<0.011	<0.013	<0.011	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
Acetone	0.2	<0.011	0.016	0.015	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
Benzene	0.06	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Bromomethane	NS	<0.011	<0.013	<0.011	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
Carbon Disulfide	2.7	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Carbon Tetrachloride	0.6	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chlorobenzene	1.7	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chloroethane	1.9	<0.011	<0.013	<0.011	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
Chloroform	0.3	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chloromethane	NS	<0.011	<0.013	<0.011	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
Dibromochloromethane	NS	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Ethylbenzene	5.5	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Freon 113	6	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Methylene Chloride	0.1	0.01	0.008	0.01	0.007	0.006	0.006	0.008	<0.006	<0.006	0.011
Styrene	NS	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Tetrachloroethene	1.4	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Toluene	1.5	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Trichloroethene	0.7	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Vinyl Chloride	0.2	<0.011	<0.013	<0.011	<0.012	<0.011	<0.012	<0.013	<0.011	<0.011	<0.012
Xylenes	1.2	<0.005	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006

AREA OF INTEREST 5

NYDEC RSCO (mg/kg)	TP-AOI-1/Area F	TP-AOI5-1	DS-AOI5-001	TP-AOI6-1	EX-AOI6-001*	EX-AOI5-001	EX-AOI5-002	EX-AOI5-003	EX-AOI5-003A	EX-AOI5-004	EX-AOI5-004A	EX-AOI5-005	EX-AOI5-006	EX-AOI5-007	EX-AOI5-008	EX-AOI5-009	EX-AOI5-010
	12/5/2005	11/30/2005	9/11/2006	11/30/2005	9/12/2006	9/18/2006	9/18/2006	9/18/2006	10/6/2006	9/18/2006	10/6/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
0.8	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
0.6	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
NS	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
0.2	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
7.9	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1.6	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
8.5	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
0.3	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
0.3	0.19	<2.0	<0.050	<0.01	0.19	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
1	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
0.2	<0.011	<2.0	<0.050	0.014	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
0.06	<0.006	<1.0	0.0073-J	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.011	<0.0057	<0.0056	<0.0056	0.0015-J	<0.011	0.0067	0.0096	<0.011
NS	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
2.7	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	0.0076	<0.0056	<0.0055	<0.0055	0.0076	<0.0056	<0.0057
0.6	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1.7	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1.9	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
0.3	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	0.0035-J	0.065	<0.0055	**0.38**	0.0048-J	<0.011	0.0021-J	0.0021-J	0.0033-J	0.0038-J	0.0041
NS	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
NS	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
5.5	<0.006	1.4	0.15	<0.005	<0.006	<0.006	<0.0055	<0.0058	0.005	<0.0057	0.0075	<0.0056	0.0078	0.005	0.0075	0.0075	<0.0057
6	NR	NR	<0.025	NR	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
0.1	<0.006	1.6	<0.050	0.006	<0.006	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
NS	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1.4	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
1.5	<0.006	0.13	0.041	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	0.0026-J	<0.0056	0.0058	<0.0055	0.0026-J	0.0047-J	<0.0057
0.7	<0.006	<1.0	<0.025	<0.005	<0.006	<0.006	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	<0.0055	<0.0055	<0.0056	<0.0056	<0.0057
0.2	<0.011	<2.0	<0.050	<0.01	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
1.2	<0.006	**76-E**	**1.8**	<0.005	<0.006	0.002-J	<0.0055	<0.0058	<0.0055	<0.0057	<0.0056	<0.0056	0.023	0.011	0.035	0.038	<0.0057

SVOCS

(SHADED DATA HAVE BEEN USED IN THE HHRA CALCULATIONS)

AREA B SAMPLES

Compound	NYDEC RSCO (mg/kg)	EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-7	EX-B-8	EX-B-9	EX-B-10	EX-B-11	EX-B-12	EX-B-13	EX-B-14	EX-B-15	EX-B-16	EX-B-DUP
		10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
2,4,5-Trichlorophenol	0.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2,4-Dichlorophenol	0.4	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2,4-Dinitrophenol	0.200	<0.900	<0.780	<0.740	<0.740	<0.770	<0.740	<0.790	<0.770	<0.760	<0.730	<0.750	<0.740	<0.780	<0.770	<0.790	<0.920	<0.770
2,6-Dinitrotoluene	1.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2-Chlorophenol	0.8	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2-Methylnaphthalene	36.4	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2-Nitroaniline	0.430	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2-Nitrophenol	0.330	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
2-methylphenol	0.100	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
3-Nitroaniline	0.500	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
4-Chloroaniline	0.220	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
4-Nitroaniline	NS	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
4-Nitrophenol	0.100	<0.900	<0.780	<0.740	<0.740	<0.770	<0.740	<0.790	<0.770	<0.760	<0.730	<0.750	<0.740	<0.780	<0.770	<0.790	<0.920	<0.770
4-chloro-3-methylphenol	0.240	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
4-methylphenol	0.9	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Acenaphthene	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Acenaphthylene	41.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Aniline (Phenylamine, Aminobenzene)	0.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Anthracene	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Benzo(a) anthracene	0.224	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Benzo(a) pyrene	0.061	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	0.350-J	<0.460	<0.390
Benzo(b) fluoranthene	1.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Benzyl Butyl Phthalate	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Chrysene	0.4	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Dibenz(a,h) Anthracene	0.014	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Dibenzofuran	6.2	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Diethyl Phthalate	7.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Dimethyl Phthalate	2.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Fluoranthene	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Fluorene	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Hexachlorobenzene	0.41	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Indeno(1,2,3-c,d) Pyrene	3.2	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Isophorone	4.40	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Naphthalene	13.0	0.340-J	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Nitrobenzene	0.200	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Pentachlorophenol	1.0	<0.900	<0.780	<0.740	<0.740	<0.770	<0.740	<0.790	<0.770	<0.760	<0.730	<0.750	<0.740	<0.780	<0.770	<0.790	<0.920	<0.770
Phenanthrene	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Phenol	0.03	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
Pyrene	50	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
bis(2-ethylhexyl) phthalate	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
di-n-Butyl Phthalate	8.1	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390
di-n-Octyl Phthalate	50.0	<0.450	<0.390	<0.370	<0.370	<0.390	<0.370	<0.400	<0.390	<0.380	<0.360	<0.370	<0.370	<0.390	<0.390	<0.390	<0.460	<0.390

AREA C SAMPLES

Compound	NYDEC RSCO (mg/kg)	EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5	EX-C-6	EX-C-7	EX-C-8	EX-C-9	EX-C-10	EX-C-11	EX-C-12	EX-C-13
		9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
2,4,5-Trichlorophenol	0.1-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2,4-Dichlorophenol	0.4	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2,4-Dinitrophenol	0.200-ADL	<0.780	<0.780	<0.750	<0.710	<0.770	<0.730	<0.720	<0.800	<0.860	<0.770	<0.710	<0.790	<0.770
2,6-Dinitrotoluene	1.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Chlorophenol	0.8	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Methylnaphthalene	36.4	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Nitroaniline	0.430	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-Nitrophenol	0.330	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
2-methylphenol	0.100-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
3-Nitroaniline	0.500	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-Chloroaniline	0.220-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-Nitroaniline	NS	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-Nitrophenol	0.100-ADL	<0.780	<0.780	<0.750	<0.710	<0.770	<0.730	<0.720	<0.800	<0.860	<0.770	<0.710	<0.790	<0.770
4-chloro-3-methylphenol	0.240-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
4-methylphenol	0.9	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Acenaphthene	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Acenaphthylene	41.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Aniline	0.1-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Anthracene	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzo(a) anthracene	0.224-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzo(a) pyrene	0.061-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzo(b) fluoranthene	1.1	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Benzyl Butyl Phthalate	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Chrysene	0.4	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Dibenz(a,h) Anthracene	0.014-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Dibenzofuran	6.2	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Diethyl Phthalate	7.1	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Dimethyl Phthalate	2.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Fluoranthene	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Fluorene	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Hexachlorobenzene	0.41	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Indeno(1,2,3-c,d) Pyrene	3.2	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Isophorone	4.40	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Naphthalene	13.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Nitrobenzene	0.200-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Pentachlorophenol	1.0	<0.780	<0.780	<0.750	<0.710	<0.770	<0.730	<0.720	<0.800	<0.860	<0.770	<0.710	<0.790	<0.770
Phenanthrene	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Phenol	0.03-ADL	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
Pyrene	50	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
bis(2-ethylhexyl) phthalate	50.0	4	0.370-J	<0.380	<0.360	0.38	0.051-J	0.036-J	<0.400	<0.430	0.040-J	<0.360	<0.390	<0.390
di-n-Butyl Phthalate	8.1	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390
di-n-Octyl Phthalate	50.0	<0.390	<0.390	<0.380	<0.360	<0.380	<0.370	<0.360	<0.400	<0.430	<0.390	<0.360	<0.390	<0.390

AREA D SAMPLES

Compound	NYDEC RSCO (mg/kg)	EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5	EX-D-6	EX-D-7	EX-D-8	EX-D-9	EX-D-10	EX-D-11	EX-D-12	EX-D-13	EX-D-14	EX-D-15	EX-D-16	EX-D-17	EX-D-18	EX-D-19	EX-D-20	EX-D-Duplicate	EX-D-21	EX-D-22	EX-D-Duplicate 2
		11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
2,4,5-Trichlorophenol	0.1-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2,4-Dichlorophenol	0.4	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2,4-Dinitrophenol	0.200-ADL	<0.780	<0.790	<0.770	<0.750	<0.790	<0.800	<0.810	<0.820	<0.790	<0.810	<0.790	<0.770	<0.390	<1.2	<0.760	<0.750	<0.740	<0.760	<0.760	<0.840	<0.830	<0.770	<0.750	<0.820
2,6-Dinitrotoluene	1.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-Chlorophenol	0.8	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-Methylnaphthalene	36.4	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.310-J	<0.390	<0.580	<0.380	<0.380	<0.370	0.120-J	<0.380	0.052-J	<0.420	<0.380	0.091-J	0.044-J
2-Nitroaniline	0.430	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-Nitrophenol	0.330	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
2-methylphenol	0.100-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
3-Nitroaniline	0.500	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-Chloroaniline	0.220-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-Nitroaniline	NS	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-Nitrophenol	0.100-ADL	<0.780	<0.790	<0.770	<0.750	<0.790	<0.800	<0.810	<0.820	<0.790	<0.810	<0.790	<0.770	<0.390	<1.2	<0.760	<0.750	<0.740	<0.760	<0.760	<0.840	<0.830	<0.770	<0.750	<0.820
4-chloro-3-methylphenol	0.240-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
4-methylphenol	0.9	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Acenaphthene	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Acenaphthylene	41.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Aniline	0.1-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Anthracene	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.051-J	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Benzo(a) anthracene	0.224-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.041-J	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.054-J
Benzo(a) pyrene	0.061-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.040-J
Benzo(b) fluoranthene	1.1	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.056-J
Benzyl Butyl Phthalate	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Chrysene	0.4	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.056-J
Dibenz(a,h) Anthracene	0.014-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Dibenzofuran	6.2	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Diethyl Phthalate	7.1	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Dimethyl Phthalate	2.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Fluoranthene	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.062-J	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Fluorene	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.037-J	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Hexachlorobenzene	0.41	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Indeno(1,2,3-c,d) Pyrene	3.2	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Isophorone	4.40	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	0.067-J	<0.380	0.051-J	<0.420	<0.380	0.076-J	0.043-J
Naphthalene	13.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	1.2	<0.390	<0.580	<0.380	<0.380	<0.370	0.46	0.087-J	0.270-J	<0.420	<0.380	0.58	0.220-J
Nitrobenzene	0.200-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Pentachlorophenol	1.0	<0.780	<0.790	<0.770	<0.750	<0.790	<0.800	<0.810	<0.820	<0.790	<0.810	<0.790	<0.770	<0.390	<1.2	<0.760	<0.750	<0.740	<0.760	<0.760	<0.840	<0.830	<0.770	<0.750	<0.820
Phenanthrene	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.240-J	<0.390	<0.580	0.053-J	<0.380	<0.370	0.130-J	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Phenol	0.03-ADL	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
Pyrene	50	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	0.085-J	<0.390	<0.580	0.067-J	<0.380	<0.370	0.044-J	<0.380	<0.420	<0.420	<0.380	<0.370	0.059-J
bis(2-ethylhexyl) phthalate	50.0	4	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.170-J
di-n-Butyl Phthalate	8.1	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	<0.410
di-n-Octyl Phthalate	50.0	<0.390	<0.390	<0.380	<0.370	<0.400	<0.400	<0.410	<0.410	<0.390	<0.410	<0.400	<0.390	<0.390	<0.580	<0.380	<0.380	<0.370	<0.380	<0.380	<0.420	<0.420	<0.380	<0.370	0.062-J

AREA F SAMPLES

Compound	NYDEC RSCO (mg/kg)	EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5	EX-F-6	EX-F-7	EX-F-8	EX-F-9	EX-F-10	EX-F-11	EX-F-12	EX-F-13
		9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
2,4,5-Trichlorophenol	0.1-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2,4-Dichlorophenol	0.4	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2,4-Dinitrophenol	0.200	<0. 760	<0. 760	<0. 910	<0. 780	<0. 750	<0. 790	<0. 780	<0. 750	<0. 820	<0. 790	<0. 810	<0. 790	<0. 780
2,6-Dinitrotoluene	1.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2-Chlorophenol	0.8	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2-Methylnaphthalene	36.4	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2-Nitroaniline	0.430	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2-Nitrophenol	0.330	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
2-methylphenol	0.100-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
3-Nitroaniline	0.500	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
4-Chloroaniline	0.220-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
4-Nitroaniline	NS	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
4-Nitrophenol	0.100-ADL	<0. 760	<0. 760	<0. 910	<0. 780	<0. 750	<0. 790	<0. 780	<0. 750	<0. 820	<0. 790	<0. 810	<0. 790	<0. 780
4-chloro-3-methylphenol	0.240-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
4-methylphenol	0.9	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Acenaphthene	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Acenaphthylene	41.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Aniline	0.1-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Anthracene	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Benzo(a) anthracene	0.224-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Benzo(a) pyrene	0.061-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Benzo(b) fluoranthene	1.1	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Benzyl Butyl Phthalate	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Chrysene	0.4	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Dibenz(a,h) Anthracene	0.014-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Dibenzofuran	6.2	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Diethyl Phthalate	7.1	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Dimethyl Phthalate	2.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Fluoranthene	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Fluorene	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Hexachlorobenzene	0.41	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Indeno(1,2,3-c,d) Pyrene	3.2	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Isophorone	4.40	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Naphthalene	13.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Nitrobenzene	0.200-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Pentachlorophenol	1.0	<0. 760	<0. 760	<0. 910	<0. 780	<0. 750	<0. 790	<0. 780	<0. 750	<0. 820	<0. 790	<0. 810	<0. 790	<0. 390
Phenanthrene	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Phenol	0.03-ADL	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
Pyrene	50	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
bis(2-ethylhexyl) phthalate	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	220
di-n-Butyl Phthalate	8.1	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390
di-n-Octyl Phthalate	50.0	<0. 380	<0. 380	<0. 460	<0. 390	<0. 370	<0. 400	<0. 390	<0. 370	<0. 410	<0. 400	<0. 410	<0. 400	<0. 390

AREA OF INTEREST 5 SAMPLES

Compound	NYDEC RSCO (mg/kg)	TP-AOI-1/Area F	DS-AOI5-001	EX-AOI6-001*	EX-AO15-001	EX-AO15-002	EX-AO15-003	EX-AO15-004	EX-AO15-005	EX-AO15-006	EX-AO15-007	EX-AO15-008	EX-AO15-009	EX-AO15-010
		12/5/2005	9/11/2006	9/12/2006	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
2,4,5-Trichlorophenol	0.1-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2,4-Dichlorophenol	0.4	<0. 380	<0.410	<0. 370	<0.790	<0.730	<0.770	<0.760	<0.740	<0.730	<0.730	<0.740	<0.740	<0.760
2,4-Dinitrophenol	0.200	<2. 000	<0.820/0.210	<1.90	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2,6-Dinitrotoluene	1.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2-Chlorophenol	0.8	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2-Methylnaphthalene	36.4	<0. 380	4.4	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2-Nitroaniline	0.430	<2. 000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2-Nitrophenol	0.330	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
2-methylphenol	0.100-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
3-Nitroaniline	0.500	<2. 000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
4-Chloroaniline	0.220-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
4-Nitroaniline	NS	<2. 000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
4-Nitrophenol	0.100-ADL	<2. 000	<0.820/0.093	<1.90	<0.790	<0.730	<0.770	<0.760	<0.740	<0.730	<0.730	<0.740	<0.740	<0.760
4-chloro-3-methylphenol	0.240-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
4-methylphenol	0.9	<0. 380	0.76	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Acenaphthene	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Acenaphthylene	41.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Aniline	0.1-ADL	NR	<0.410	NR	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Anthracene	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Benzo(a) anthracene	0.224-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Benzo(a) pyrene	0.061-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Benzo(b) fluoranthene	1.1	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Benzyl Butyl Phthalate	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Chrysene	0.4	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Dibenz(a,h) Anthracene	0.014-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Dibenzofuran	6.2	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Diethyl Phthalate	7.1	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Dimethyl Phthalate	2.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Fluoranthene	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Fluorene	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Hexachlorobenzene	0.41	<2. 000	<0.410	<1.90	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Indeno(1,2,3-c,d) Pyrene	3.2	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Isophorone	4.40	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Naphthalene	13.0	<0. 380	4	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Nitrobenzene	0.200-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Pentachlorophenol	1.0	<0. 380	<0.820	<0. 370	<0.790	<0.730	<0.770	<0.760	<0.740	<0.730	<0.730	<0.740	<0.740	<0.760
Phenanthrene	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Phenol	0.03-ADL	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
Pyrene	50	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380
bis(2-ethylhexyl) phthalate	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	0.150-J	<0.370	0.037-J	<0.370	<0.380
di-n-Butyl Phthalate	8.1	<0. 380	3.3	<0. 370	0.160-J	0.120-J	0.160-J	0.170-J	0.093-J	0.066-J	0.096-J	0.086-J	0.260-J	0.140-J
di-n-Octyl Phthalate	50.0	<0. 380	<0.410	<0. 370	<0.390	<0.360	<0.390	<0.380	<0.370	<0.360	<0.370	<0.370	<0.370	<0.380

PESTICIDES/HERBICIDES/PCBS

(SHADED DATA HAVE BEEN USED IN THE HHRA CALCULATIONS)

AREA B SAMPLES

Compound	NYDEC RSCO (ug/kg)	EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-7	EX-B-8	EX-B-9	EX-B-10 DL	EX-B-11	EX-B-12	EX-B-13	EX-B-14	EX-B-15 DL	EX-B-16	EX-B-DUP
		10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005
4,4-DDD	2900	6.8	<2.0	<1.9	<1.9	2.0	<1.9	<2.0	0.84-J	0.29-J	57	<1.9	0.60-J	4.2	<1.9	240	0.71-J	<1.9
4,4-DDE	2100	33	0.50-J	<1.9	0.21	1.9-J	<1.9	<2.0	<1.9	0.74-J	52	<1.9	4.6	1.2-J	<1.9	40	3.2	<1.9
4,4-DDT	2100	21	0.28-J	<1.9	<1.9	2.1	<1.9	<2.0	<1.9	2.0	160	<1.9	14	5.2	0.39-J	390	4.2	<1.9
Aldrin	41.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Alpha-BHC	110	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Beta-BHC	200	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Chlordane	540	<45	<39	<37	<37	<39	<37	<40	<39	<38	<360	<37	<37	<39	<38	<390	<46	<39
Delta-BHC	300	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Dieldrin	44.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Endosulfan I	900	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Endosulfan II	900	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Endosulfan Sulfate	1000	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Endrin	100	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Gamma-BHC (Lindane)	60.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Heptachlor	100	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Heptachlor Epoxide	20.0	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
Methoxychlor	NS	<2.3	<2.0	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<18	<1.9	<1.9	<1.9	<1.9	<20	<2.3	<1.9
PCB-1016	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
PCB-1221	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
PCB-1232	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
PCB-1242	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
PCB-1248	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
PCB-1254	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
PCB-1260	1000	<23	<19	<19	<19	<19	<18	<20	<19	<19	<18	<19	<19	<19	<19	<20	<23	<19
2,4,5-T	1900	<140	<120	<110	<110	<120	<110	<120	<120	<110	<110	<110	<110	<120	<120	<120	<140	<120
2,4,5-TP (Silvex)	700	<140	<120	<110	<110	<120	<110	<120	<120	<110	<110	<110	<110	<120	<120	<120	<140	<120
2,4-D	500	<140	<120	<110	<110	<120	<110	<120	<120	<110	<110	<110	<110	<120	<120	<120	<140	<120

AREA C SAMPLES

Compound	NYDEC RSCO (ug/kg)	EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5	EX-C-6	EX-C-7	EX-C-8	EX-C-9	EX-C-10	EX-C-11	EX-C-12	EX-C-13
		9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005
4,4-DDD	2900	0.30	0.29	0.84	<1.8	0.50	2.0	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	0.76
4,4-DDE	2100	<2.0	<1.9	0.82	<1.8	<1.9	1.7	2.1	<2.0	<2.2	<1.9	<1.8	<2.0	1.4
4,4-DDT	2100	<2.0	<1.9	0.24	<1.8	0.26	5.1	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	0.74
Aldrin	41.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Alpha-BHC	11.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Beta-BHC	200	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Chlordane	540	<39	<39	<38	<36	<38	<37	<36	<40	<43	<39	<36	<39	<39
Delta-BHC	300	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Dieldrin	44.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endosulfan I	900	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endosulfan II	900	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endosulfan Sulfate	1000	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Endrin	100	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Gamma-BHC (Lindane)	60.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Heptachlor	100	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Heptachlor Epoxide	20.0	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
Methoxychlor	NS	<2.0	<1.9	<1.9	<1.8	<1.9	<1.8	<1.8	<2.0	<2.2	<1.9	<1.8	<2.0	<1.9
PCB-1016	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
PCB-1221	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
PCB-1232	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
PCB-1242	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
PCB-1248	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
PCB-1254	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
PCB-1260	1000	<20	<19	<19	<18	<19	<18	<18	<20	<22	<19	<18	<20	<19
2,4,5-T	1900	<120	<120	<110	<110	<120	<110	<110	<120	<130	<120	<110	<120	<120
2,4,5-TP (Silvex)	700	<120	<120	<110	<110	<120	<110	<110	<120	<130	<120	<110	<120	<120
2,4-D	500	<120	<120	<110	<110	<120	<110	<110	<120	<130	<120	<110	<120	<120

AREA D SAMPLES

Compound	NYDEC RSCO (ug/kg)	EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5	EX-D-6	EX-D-7	EX-D-8	EX-D-9	EX-D-10	EX-D-11	EX-D-12	EX-D-13	EX-D-14	EX-D-15	EX-D-16	EX-D-17	EX-D-18	EX-D-19	EX-D-20	EX-D-Duplicate	EX-D-21	EX-D-22	EX-D-Duplicate 2
		11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
4,4-DDD	2900	1.1-J	3.3	<1.9	<1.9	<2.0	<2.0	0.41-J	0.67-J	<2.0	<2.0	<2.0	1.2-J	0.86-J	<2.9	<1.9	<1.9	1.2-J	1.2-J	<1.9	3	<2.1	<1.9	<1.9	3.9
4,4-DDE	2100	0.61-J	1.3-J	<1.9	0.27-J	0.64-J	<2.0	<2.0	0.47-J	0.46-J	<2.0	<2.0	<1.9	0.58-J	<2.9	<1.9	0.36-J	<1.8	0.69-J	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
4,4-DDT	2100	2.5	0.82-J	<1.9	<1.9	0.51-J	<2.0	<2.0	<2.0	0.36-J	<2.0	<2.0	0.72-J	2.3	<2.9	<1.9	<1.9	<1.8	0.66-J	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Aldrin	41.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Alpha-BHC	11.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Beta-BHC	200	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Chlordane	540	<39	<40	<38	<37	<39	<40	<41	<41	<39	<41	<41	<39	<39	<57	<38	<38	<37	<38	<38	<42	<42	<39	<37	<41
Delta-BHC	300	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Dieldrin	44.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endosulfan I	900	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endosulfan II	900	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endosulfan Sulfate	1000	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Endrin	100	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Gamma-BHC (Lindane)	60.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Heptachlor	100	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Heptachlor Epoxide	20.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
Methoxychlor	NS	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.9	<1.9	<1.9	<1.8	<1.9	<1.9	<2.1	<2.1	<1.9	<1.9	<2.1
PCB-1016	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1221	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1232	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1242	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1248	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1254	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
PCB-1260	1000	<19	<20	<19	<19	<20	<20	<20	<20	<20	<20	<20	<20	<20	<29	<19	<19	<18	<19	<19	<21	<21	<19	<19	<21
2,4,5-T	1900	<120	<120	<120	<110	<120	<120	<120	<120	<120	<120	<120	<120	<120	<170	<110	<110	<110	<110	<110	<130	<130	<120	<110	<120
2,4,5-TP (Silvex)	700	<120	<120	<120	<110	<120	<120	<120	<120	<120	<120	<120	<120	<120	<170	<110	<110	<110	<110	<110	<130	<130	<120	<110	<120
2,4-D	500	<120	<120	<120	<110	<120	<120	<120	<120	<120	<120	<120	<120	<120	<170	<110	<110	<110	<110	<110	<130	<130	<120	<110	<120

AREA F SAMPLES

Compound	NYDEC RSCO (ug/kg)	EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5	EX-F-6	EX-F-7	EX-F-8	EX-F-9	EX-F-10	EX-F-11	EX-F-12	EX-F-13
		9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
4,4-DDD	2900	2.3	0.83	0.46	<2.0	8.8	0.53	3.6	0.92	<2.0	3.6	6.1	6.6	12
4,4-DDE	2100	2	2.1	<2.3	<2.0	2.9	<2.0	0.53	3.3	0.27	4.8	1.4	1.4	0.45
4,4-DDT	2100	2.6	3.1	<2.3	<2.0	63	0.39	0.58	3.4	<2.0	2.3	0.54	0.4	<2.0
Aldrin	41	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Alpha-BHC	110	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Beta-BHC	200	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Chlordane	540	<38	<38	<46	<39	<37	<40	<39	<37	<41	<40	<41	<40	<39
Delta-BHC	300	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Dieldrin	44	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan I	900	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan II	900	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endosulfan Sulfate	1000	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Endrin	100	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Gamma-BHC (Lindane)	60	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor	100	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Heptachlor Epoxide	20	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
Methoxychlor	NS	<1.9	<1.9	<2.3	<2.0	<1.9	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0
PCB-1016	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
PCB-1221	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
PCB-1232	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
PCB-1242	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
PCB-1248	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
PCB-1254	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
PCB-1260	1000	<19	<19	<23	<19	<19	<20	<19	<19	<20	<20	<20	<20	<20
2,4,5-T	1900	<110	<110	<140	<120	<110	<120	<120	<110	<120	<120	<120	<120	<120
2,4,5-TP (Silvex)	700	<110	<110	<140	<120	<110	<120	<120	<110	<120	<120	<120	<120	<120
2,4-D	500	<110	<110	<140	<120	<110	<120	<120	<110	<120	<120	<120	<120	<120

AREA OF INTEREST 5 SAMPLES

Compound	NYDEC RSCO (ug/kg)	TP-AOI-1/Area F	DS-AOI5-001	EX-AOI6-001*	EX-AO15-001	EX-AO15-002	EX-AO15-003	EX-AOI5-003A	EX-AO15-004	EX-AO15-005	EX-AO15-006	EX-AO15-007	EX-AO15-008	EX-AO15-009	EX-AO15-010
		12/5/2005	9/11/2006	9/12/2006	9/18/2006	9/18/2006	9/18/2006	10/6/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006	9/18/2006
4,4-DDD	2900	<3.8	270	<3.7	3.2	<1.8	12	<1.8	<1.9	0.38-J	<1.8	<1.8	0.39-J	<1.9	<1.9
4,4-DDE	2100	<3.8	<21	<3.7	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
4,4-DDT	2100	<3.8	<21	<3.7	0.52	<1.8	34	<1.8	<1.9	1.4-J	1.9	<1.8	<1.9	<1.9	<1.9
Aldrin	41	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Alpha-BHC	110	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Beta-BHC	200	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Chlordane	540	<200	<410	<1.9[1]	<39	<36	<38	<37	<38	<37	<36	<37	<37	<37	<38
Delta-BHC	300	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Dieldrin	44	<3.8	<21	<3.7	<2.0	<1.8	14	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Endosulfan I	900	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Endosulfan II	900	<3.8	<21	<3.7	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Endosulfan Sulfate	1000	<3.8	<21	<3.7	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Endrin	100	<3.8	<21	<3.7	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Gamma-BHC (Lindane)	60	<2.0	<21	<1.9	<2.0	0.64-J	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Heptachlor	100	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Heptachlor Epoxide	20	<2.0	<21	<1.9	<2.0	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Methoxychlor	NS	<20	<21	<20	<2.0	<1.8	7.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.9	<1.9	<1.9
Toxaphene	NS		NR	<190											
PCB-1016	1000	<38	<21	<37											
PCB-1221	1000	<38	<21	<37											
PCB-1232	1000	<38	<21	<37											
PCB-1242	1000	<38	<21	<37											
PCB-1248	1000	<38	<21	<37											
PCB-1254	1000	<38	<21	<37											
PCB-1260	1000	<38	<21	<37											
2,4,5-T	1900	<230	<120	<225											
2,4,5-TP (Silvex)	700	<230	<120	4-J											
2,4-D	500	<230	<120	<225											

METALS

(SHADED DATA HAVE BEEN USED IN THE HHRA CALCULATIONS)

AREA B SAMPLES

Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-B-1	EX-B-2	EX-B-3	EX-B-4	EX-B-5	EX-B-6	EX-B-07	EX-B-8	EX-B-9	EX-B-10	EX-B-11	EX-B-12	EX-B-13	EX-B-14	EX-B-15	EX-B-16	EX-B-DUP	EX-B-1RE	EX-B-5RE	EX-B-15RE	EX-B-15RE3	EX-B-1-RE 3
				10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/4/2005	10/13/2005	10/13/2005	10/13/2005	12/6/2005	12/6/2005
Aluminum	SB	33000	7080-12800	16300	17300	15000	15000	16000	14600	17800	13300	15600	17000	15100	16400	15900	15000	17300	20100	15800	17500	17800	15000	14500	14500
Antimony	SB	NA	0.2-0.59	0.50-J	<1.6	<1.7	<1.6	<1.6	<1.7	<1.4	<1.3	<1.6	<1.5	<1.7	<1.6	<1.6	<1.7	<2.0	<2.1	<1.6	<1.8	<1.8	<1.4	<3.00	<3.00
Arsenic	7.5	3-12	4.3-16.4	7.8	9.4	8.6	8.4	8.1	8.8	8.6	6.4	7.8	8.3	7.2	6.8	8.5	9.7	9.8	4.6	9.5	8.3	8.6	7.6	<0.25	<0.25
Barium	300	15-600	33-104	74.3	82.7	80.5	72.9	67.9	75.6	58.5	60.2	67	79.3	81.4	58.3	81.5	70.7	88.8	79.6	77.9	65.1	71.4	61.2	22.3	22.3
Beryllium	0.16	0-1.75	0.38-0.67	0.82	0.91	0.78	0.76	0.78	0.76	0.89	0.67	0.78	0.86	0.78	0.68	0.83	0.78	0.90	0.85	0.83	0.84	0.9	0.73	0.6	0.6
Cadmium	1	0-1.75	0.21-0.52	0.062-J	<0.49	<0.52	<0.48	<0.48	<0.5	<0.43	<0.4	<0.48	<0.46	<0.52	<0.49	<0.48	<0.52	<0.59	0.056-J	<0.47	<0.55	<0.53	<0.43	<0.25	<0.25
Calcium	SB	130-35000	1280-46600	4300	10100	16200	28100	2400	36700	922	20600	20300	2410	30600	1780	24900	24100	3100	1730	21900	2150	2510	2240	1280	1280
Chromium	10	1.5-40	9.3-17.5	53.1	26	22.3	22.6	23.0	21.7	24.6	19.7	22.9	23.4	22.6	25.5	23.5	22.2	35.4	25.3	23.6	25.8	26.2	24	21.8	21.8
Cobalt	30	2.5-60	5.3-12.2	13.3	15.3	12.8	13.4	12.3	13.1	11.4	13.7	13.6	15.2	10.5	10.5	15.2	14.2	14.9	13.2	16.4	12.6	12.6	13.1	9.83	9.83
Copper	25	1-50	13.4-26.9	38.5	49.5	45.7	42.7	40.1	42.6	43	37.3	41.1	40	37.4	26	45.2	41.4	40.9	34.3	47.8	34.8	40.7	29.1	35.7	35.7
Iron	2000	2000-550000	14100-25700	33000	38000	33000	32400	31100	31700	35000	30300	33600	33000	31100	30000	34200	33900	34500	29300	34800	34300	34000	31000	33200	33200
Lead	SB	NA	16.5-60.8	204	17.5	14.7	14	19.1	14.4	15.3	13.7	14.4	16.5	13.1	39.9	16.1	14.5	489	24.7	17	24.6	19	47.8	18.9	18.9
Magnesium	SB	100-5000	2150-13100	6470	7980	8290	8070	5350	8440	5920	7610	8080	5730	8760	4880	8760	7800	5960	5670	8340	5400	5500	5100	5090	5090
Manganese	SB	50-5000	197-875	30.5	636	415	552	443	521	349	605	610	717	415	484	599	609	607	335	830	525	461	507	331	331
Mercury	0.1	0.001-0.2	0.039-0.095	0.22	0.05	<0.034	0.023	0.20	0.031	0.024	0.034	0.057	0.030	0.022	0.043	0.036	0.036	0.026	0.042	0.035	0.27	0.1	0.05	<0.020	<0.020
Nickel	13	0.5-25	10.6-24.8	30.5	37.7	30.9	31.3	26.4	30.9	27.4	31.0	32.0	31.7	28.2	23.5	36.1	33.4	33.6	29.2	37.2	25.6	29.1	24.1	21.5	21.5
Potassium	SB	8500-43000	443-1660	1850	1990	1900	2060	1700	2100	1780	1720	1990	1770	2330	1350	2300	2160	2130	1770	2140	1590	1790	1410	552	552
Seleium	2	0.1-3.9	0.44-1.2	0.25-J	<1.6	<1.7	<1.6	0.34-J	<1.7	0.30-J	<1.3	<1.6	<1.5	<1.7	0.50-J	<1.6	<1.7	0.24-J	0.44-J	<1.6	0.79-J	0.64-J	0.47-J	<0.25	<0.25
Silver	SB	NA	0.16-0.17	<0.27	<0.25	<.026-J	<0.24	<0.24	<0.25	<0.21	<0.2	<0.24	<0.23	<0.26	<0.25	<0.24	<0.26	<0.3	<0.31	<0.23	<0.27	<0.27	<0.22	<1.00	<1.00
Thallium	SB	NA	D-0.67	0.33-J	0.60-J	0.48-J	0.77-J	<2.4	0.58-J	0.35-J	0.43-J	0.31-J	0.53-J	<2.6	0.37-J	0.45-J	<2.6	<3.0	0.38-J	0.52-J	1.3-J	0.97-J	0.93-J	<0.50	<0.50
Vanadium	150	1-300	13.7-24	29.3	30.2	25.4	26.5	28.8	26.1	29.8	22.9	27.4	29	26.6	29.4	28	27.6	31.6	35.3	28.2	33.5	31.6	28.8	23.6	23.6
Zinc	20	9-50	46-134	178	90.6	76.9	80.9	71.9	79.1	77.1	67.2	77.8	79	72.1	69.9	79.9	77.7	121	89.5	84.8	74.6	88.3	80.2	65.1	65.1

AREA C SAMPLES

Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-C-1	EX-C-2	EX-C-3	EX-C-4	EX-C-5	EX-C-6	EX-C-07	EX-C-8	EX-C-9	EX-C-10	EX-C-11	EX-C-12	EX-C-13	EX-C-1RE	EX-C-2RE	EX-C-7RE	EX-C-8RE	EX-C-9RE	EX-C-10RE	EX-C-1RE2
				9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	9/28/2005	10/13/2005	10/13/2005	10/13/2005	10/13/2005	10/13/2005	10/13/2005	10/27/2005
Aluminum	SB	33000	7080-12800	18300	18000	18200	18900	17000	17500	19900	18500	18400	16900	18100	19200	18700	16300	15400	18500	16100	14000	15800	16100
Antimony	SB	NA	0.2-0.59	<1.9	<1.6	<1.8	<1.6	<1.5	<1.8	<1.7	<1.7	<1.8	<1.4	<1.5	<1.7	<1.8	<1.7	0.41	<1.9	<1.7	<1.7	<1.7	<1.5
Arsenic	7.5	3-12	4.3-16.4	9	10.4	7.6	9.8	7.6	7.2	9.9	7.7	9.1	7.6	9.6	9	7.9	8.3	8.4	9.0	8.8	8.0	6.3	9.1
Barium	300	15-600	33-104	97.4	150	75.5	99.4	76.6	78.7	101	98.6	161	94.7	93.9	99.6	86.2	80.3	72.7	86.7	72.4	76.0	43.6	82
Beryllium	0.16	0-1.75	0.38-0.67	0.95	0.83	0.79	0.97	0.82	0.79	0.98	0.88	0.85	0.85	0.97	0.95	0.93	0.90	0.86	0.96	0.87	0.73	0.62	0.85
Cadmium	1	0-1.75	0.21-0.52	0.34-J	0.6	0.36-J	0.36-J	0.43-J	0.23-J	0.35-J	0.24-J	0.37-J	0.29-J	0.38-J	0.42-J	0.26-J	<.51	<.51	<.58	<.52	<.5	<.51	0.63
Calcium	SB	130-35000	1280-46600	6970	24800	1560	7810	20100	2650	2840	2450	9430	11800	10600	6120	2940	6840	26700	2180	8330		936	28500
Chromium	10	1.5-40	9.3-17.5	29	172	22.6	25.9	23.7	24.4	27.7	31.7	198	24.4	26.1	27.6	25.5	26.3	23.7	27.2	24.7	21.0	20.1	23.6
Cobalt	30	2.5-60	5.3-12.2	16.1	15.4	12.6	14.3	13.6	12.1	14.8	14.6	13.5	13.9	40.9	15.3	14	15.4	13.7	15.7	15.1	11.6	7.9	14.7
Copper	25	1-50	13.4-26.9	42.8	48.9	26.9	39.7	41.2	32.2	42.5	40	44.1	45.2	44.3	41.5	37.5	67.6	42.8	44.3	48.5	39.9	21.3	41.9
Iron	2000	2000-550000	14100-25700	37400	44200	31700	36800	33500	31200	37000	34200	41100	33300	36900	36800	36000	33300	33100	35300	34800	29300	27800	35000
Lead	SB	NA	16.5-60.8	64.5	960	18	16.7	17.2	30	21.5	65.7	1150	19	18.9	27	22.5	29.2	15.1	20.1	24.6	12.9	10.9	16.7
Magnesium	SB	100-5000	2150-13100	7380	7860	4900	7200	7600	5360	6400	5810	6090	7610	7600	6780	6110	6830	8740	6060	7330	8330	4340	9000
Manganese	SB	50-5000	197-875	641	590	580	638	536	511	577	559	726	353	977	626	545	346	479	601	667	405	274	626
Mercury	0.1	0.001-0.2	0.039-0.095	0.16	0.17	0.030-J	0.045	0.033-J	0.071	0.25	0.46	0.33	0.16	0.020-J	0.061	0.073	1.1	0.044	0.13	0.27	0.029	<.036	0.049
Nickel	13	0.5-25	10.6-24.8	37.8	37.3	24.7	34.1	30.4	27.4	33.3	33.2	36.2	34.3	37.9	34.1	31.5	33.6	30.2	34.4	34.6	27.6	18.8	34.5
Potassium	SB	8500-43000	443-1660	2330	2670	1720	2360	2310	1960	2240	2140	2320	2430	2380	2360	1980	2060	2450	2090	2050	2380	1220	2440
Selenium	2	0.1-3.9	0.44-1.2	0.87-J	0.99-J	0.83-J	0.50-J	0.38-J	0.75-J	0.85-J	0.65-J	1.1-J	0.42-J	0.42-J	0.85-J	0.93-J	0.42	0.35	0.79	0.64	<1.7	0.50	0.3
Silver	SB	NA	0.16-0.17	<0.47	<0.40	<0.45	<0.4	<0.38	<0.44	<0.42	<0.41	<0.46	<0.36	<0.73	<0.42	<0.44	<.26	<.25	<.29	<.26	<.25	<.26	0.049
Thallium	SB	NA	ND-0.67	<2.8	<2.4	<2.7	<2.4	<2.3	<2.6	<2.5	<2.5	<2.7	<2.2	<4.4	<2.5	0.36-J	1.4	0.91	1.6	1.1	1.0	0.98	0.67
Vanadium	150	1-300	13.7-24	31.9	29.3	32.8	32.6	28.9	31.1	34.6	32.7	30.3	29.5	30.9	33.6	33.7	30.2	28.8	33.9	29.0	25.8	29.5	27.8
Zinc	20	9-50	46-134	96.8	81.4	75.5	95.1	84.8	80.1	88.6	81.8	82.9	84.7	89.1	87.4	81.6	81.9	83.0	85.6	84.4	70.6	52.0	88.4

AREA D SAMPLES

Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-D-1	EX-D-2	EX-D-3	EX-D-4	EX-D-5	EX-D-6	EX-D-7	EX-D-8	EX-D-9	EX-D-10	EX-D-11	EX-D-12	EX-D-13	EX-D-14
				11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005
Aluminum	SB	33000	7080-12800	18600	16700	17100	18300	16200	15700	15600	15800	14500	17400	17100	17300	19600	27300
Antimony	SB	NA	0.2-0.59	<1.8	<1.7	<1.7	<1.5	<1.8	<1.4	<1.7	<1.6	<1.6	<1.7	<1.8	<1.7	<1.8	<2.4
Arsenic	7.5	3-12	4.3-16.4	10.3	6.5	9.3	9.4	6.2	5.8	5.9	6.2	5.1	7.8	6.5	6.5	11.1	11.1
Barium	300	15-600	33-104	68.2	61.8	120	47.6	51.9	81.7	51.6	60.6	55.2	75.5	63.1	72.2	111	90
Beryllium	0.16	0-1.75	0.38-0.67	1	0.73	0.93	0.7	0.69	0.69	0.66	0.7	0.63	0.86	0.73	0.8	1.4	1
Cadmium	1	0-1.75	0.21-0.52	0.48-J	0.45-J	0.66	0.42-J	0.45-J	0.37-J	0.38-J	0.42-J	0.40-J	0.5	0.44-J	0.48-J	0.4-J	0.46-J
Calcium	SB	130-35000	1280-46600	1600	3230	2720	1260	1360	1580	1170	1040	1390	1600	3430	2210	1860	2240
Chromium	10	1.5-40	9.3-17.5	26.8	21.3	25.1	26.3	20.8	19	19.4	19	17.8	23.4	21.4	26.7	26.9	35.1
Cobalt	30	2.5-60	5.3-12.2	14.3	11.6	13.8	8.8	11	9.4	8.7	11.4	8.8	14.7	10.6	14.2	41.1	15.2
Copper	25	1-50	13.4-26.9	40.6	24.1	42.5	37.1	17.1	17.5	17.6	17.5	17.8	30.8	22.7	61.5	48.7	42.9
Iron	2000	2000-550000	14100-25700	42500	31300	37700	39300	30000	26000	26800	27600	23500	34000	29300	30300	40600	49600
Lead	SB	NA	16.5-60.8	18.4	19.8	16.9	17.5	18.1	12.5	13.4	18.4	14.8	18	15	39	18.4	20.9
Magnesium	SB	100-5000	2150-13100	6580	5030	6750	6070	4360	4020	4000	4060	3870	5340	4870	5230	6900	7820
Manganese	SB	50-5000	197-875	444	540	583	292	560	425	365	686	598	763	435	503	880	709
Mercury	0.1	0.001-0.2	0.039-0.095	0.074	0.082	0.038	0.028-J	0.047	0.04	0.069	0.052	0.19	0.17	0.04	**7.7**	0.38-J	0.086
Nickel	13	0.5-25	10.6-24.8	**31.3**	22.2	**43.7**	**25.6**	19.5	19	17.4	17.8	17.7	**27.2**	21.9	**26.4**	**40.3**	**34.8**
Potassium	SB	8500-43000	443-1660	1850	1080	1770	1530	1040	1120	1060	877	958	1370	1240	1510	1710	1900
Selenium	2	0.1-3.9	0.44-1.2	1.5-J	0.95-J	0.13-J	1.4-J	0.90-J	1.1-J	1.2-J	0.86-J	1.0-J	1.2-J	1.1-J	0.98-J	<3.6	1.7-J
Silver	SB	NA	0.16-0.17	<0.45	<0.42	<0.43	<0.39	**1.8**	<0.36	<0.42	<0.4	<0.39	<0.42	<0.46	<0.42	<0.9	<0.61
Thallium	SB	NA	ND-0.67	0.67-J	<2.5	0.50-J	0.50-J	<2.7	<0.21	<2.5	<2.4	<2.3	<2.5	<2.7	<2.5	1.3-J	0.67-J
Vanadium	150	1-300	13.7-24	31.4	28.7	29	29.8	30.3	27.8	28.3	29.2	25.4	29.8	29.4	29.2	31.7	45.2
Zinc	20	9-50	46-134	91.7	70.8	91.8	81.6	61.2	60.7	57.5	66.8	58.6	77.4	67.2	74.5	106	101

Metal	EX-D-15	EX-D-16	EX-D-17	EX-D-18	EX-D-19	EX-D-20	EX-D-Duplicate	EX-D-21	EX-D-22	EX-D-Duplicate 2	EX-D-23	EX-D-24	EX-D-25	EX-D-26	EX-D-27	EX-D-28	EX-D-Duplicate 3
	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/2/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005	11/11/2005
Aluminum	16300	15800	15400	15200	17900	18600	15700	15700	14700	17100	7470	9070	9270	7310	7560	8770	9970
Antimony	<1.5	<1.7	<1.5	<1.8	<1.6	<1.7	<1.5	<1.7	<1.5	<1.8	3.76	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Arsenic	6.4	9.3	8.6	8.4	9.3	7.9	6.1	9.3	8.1	5.7	<0.25	<0.25	<0.25	<0.25	<0.25	0.71	<0.25
Barium	78.7	82.3	74.6	72.6	129	83.4	77	73.8	76.9	82	33.7	43.9	32.5	44	43.9	40.1	46.1
Beryllium	0.86	0.87	0.79	0.77	0.97	0.82	0.72	0.83	0.74	0.77	0.39	0.53	0.45	0.61	0.41	0.46	0.57
Cadmium	0.53	0.56	0.58	0.59	0.52	0.42-J	0.35-J	0.53	0.6	0.39-J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Calcium	2780	27400	28700	30500	2160	5560	1840	18800	**50100**	3750	1150	1300	906	2650	10100	13800	2190
Chromium	24.8	23.7	23	22.8	25.7	26.7	20.3	24	21.8	25.3	11.4	14.5	15.1	21.6	15.4	18.5	19.3
Cobalt	13.7	17.4	15.9	14.6	14.9	13.8	10.4	14.7	13.4	13.5	5.33	8.57	6.02	9.36	8.79	8.99	9.45
Copper	43.8	45.3	44.1	37.6	41.7	71	23.5	47.5	40.3	80.2	8.41	11.4	11.4	27.8	23.5	28.7	30.5
Iron	34300	35400	34600	34300	38600	36000	28000	35300	32600	31400	9080	18000	14100	17400	12200	18800	20700
Lead	15.7	17.9	16.4	15.3	16.8	44.6	13.3	19.6	15.3	57.2	6.57	9.38	6.94	25.7	7.1	12.9	11.1
Magnesium	7490	9030	8860	8740	6930	6120	4830	8450	8660	5660	2370	2940	3240	4820	5470	6240	4620
Manganese	387	829	668	639	705	379	462	753	612	311	325	657	223	224	385	372	440
Mercury	**0.21**	0.037	0.11	0.030-J	0.049	**0.72**	0.034-J	0.079	0.046	**1.2**	0.03	0.071	0.02	0.074	0.028	0.06	0.086
Nickel	**37.9**	**37.9**	**35**	**34.5**	**45**	**28.8**	22.8	**33.7**	**32.6**	**26.8**	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50
Potassium	1880	2200	2070	1990	1910	1650	1310	2010	2060	1510	320	464	420	602	680	878	511
Selenium	0.97-J	0.82-J	0.80-J	0.75-J	1.2-J	1.2-J	0.87-J	0.86-J	0.48-J	1.0-J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Silver	<0.38	<0.43	<0.38	<0.45	0.051-J	<0.43	<0.38	<0.44	<0.39	>0.44	<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	0.58-J	0.62-J	0.55-J	<2.7	0.84-J	0.48-J	<2.3	0.45-J	0.51-J	<2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	27.4	27.1	26	25.8	29.5	30.3	27	26.8	25.3	29.2	8.53	10.7	11.2	13.5	9.93	11.2	11.5
Zinc	89.4	94.1	85	81.3	92.9	77.4	68.5	88.7	79.6	77.2	34.3	42.9	43.8	68.9	60.4	69.2	63.6

AREA F SAMPLES, 2005 DATA

Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-F-1	EX-F-2	EX-F-3	EX-F-4	EX-F-5	EX-F-6	EX-F-07	EX-F-8	EX-F-9	EX-F-10	EX-F-11
				9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005	9/23/2005
Aluminum	SB	33000	7080-12800	14400	15700	20200	14200	13000	21200	15800	14800	19200	16300	17100
Antimony	SB	NA	0.2-0.59	0.45-J	<1.8	<2.1	<1.6	<1.7	<1.8	<1.8	<1.6	<1.8	<1.6	0.40-J
Arsenic	7.5	3-12	4.3-16.4	7.4	6.7	3.5	4.5	4	3.1	6.3	6.2	6.3	3.6	5.2
Barium	300	15-600	33-104	**728**	170	232	**5740**	**4800**	**2200**	179	67.3	102	72.9	189
Beryllium	0.16	0-1.75	0.38-0.67	0.77	0.87	0.78	0.67	0.62	0.64	0.84	0.8	0.8	0.68	0.8
Cadmium	1	0-1.75	0.21-0.52	0.63	0.44-J	0.36-J	0.64	0.85	0.40-J	0.49-J	0.52	0.35-J	0.55	0.47-J
Calcium	SB	130-35000	1280-46600	5690	17100	2530	5780	3610	2210	3300	4190	1940	3420	2360
Chromium	10	1.5-40	9.3-17.5	27.1	19.3	18.8	16.5	15.4	18.5	18.9	18.9	22.9	18.3	19.2
Cobalt	30	2.5-60	5.3-12.2	10.6	9.9	6.6	7	6.8	4.1	10	13	5.2	6.5	7.5
Copper	25	1-50	13.4-26.9	38.4	28.9	17.9	25.5	22.6	11.9	24	26.3	13.8	20.2	21.6
Iron	2000	2000-550000	14100-25700	43700	27400	15900	21100	18500	18200	27200	27500	24200	19100	25300
Lead	SB	NA	16.5-60.8	33.1	15.2	16.5	38.2	54.6	18	16.3	16.1	10.4	21	16.9
Magnesium	SB	100-5000	2150-13100	4640	4870	3400	4480	3500	2730	4480	4910	3750	3710	3470
Manganese	SB	50-5000	197-875	234	284	135	260	187	115	225	459	93.6	202	157
Mercury	0.1	0.001-0.2	0.039-0.095	0.029-J	0.030-J	0.054	0.035	0.06	0.049	0.043	0.053	0.046	0.072	0.034-J
Nickel	13	0.5-25	10.6-24.8	**34.8**	**25.1**	16.9	21.5	19.2	13.7	24.4	**25.6**	15.6	17.9	20.2
Potassium	SB	8500-43000	443-1660	1640	1640	1370	1630	1490	1200	1500	1540	1490	1430	1290
Selenium	2	0.1-3.9	0.44-1.2	0.81-J	0.30-J	0.55-J	0.64-J	0.66-J	0.41-J	0.46-J	0.70-J	0.36-J	0.47-J	0.52
Silver	SB	NA	0.16-0.17	<0.27	<0.28	<0.31	<0.24	<0.25	<0.27	<0.27	<0.23	<0.28	<0.24	<0.23
Thallium	SB	NA	ND-0.67	<2.7	<2.8	<3.1	<2.4	0.31-J	<2.7	0.35-J	<2.3	<2.8	<2.4	<2.3
Vanadium	150	1-300	13.7-24	26.3	29.1	30.7	23.5	22.7	29.8	29.4	29.4	34.1	27.4	28.9
Zinc	20	9-50	46-134	**328**	86.1	103	**7010**	**10200**	**598**	107	74.5	47	80	94

Metal	EX-F-12	EX-F-13	Area-F North Comp	EX-F-Supp 1	EX-F-Supp 2	EX-F-14	EX-F-15	EX-F-16	EX-F-17	EX-F-18	EX-F-19	EX-F-20	EX-F-21	EX-F-22
	9/23/2005	9/23/2005	9/30/2005	10/7/2005	10/7/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005	11/9/2005
Aluminum	17800	15000	11900	9470	6240	10100	8920	7870	5820	11900	7700	9980	7540	8850
Antimony	<1.5	<1.8	<3.0	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00
Arsenic	4.7	5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Barium	115	76.6	326	458	210	22.8	395	23	16.8	79.5	43.6	58.2	60.3	30
Beryllium	0.7	0.76	0.69	0.42	0.28	0.72	0.57	0.39	0.33	0.97	0.42	0.56	0.42	0.4
Cadmium	0.45	0.41-J	<0.25	<0.25	0.7	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Calcium	2310	2310	2080	6510	1710	1000	3240	1420	1340	2650	18400	15500	12300	13300
Chromium	18.2	18	13	12.6	6.32	18.1	14.4	14.7	10.8	17.1	14.4	18.9	14.2	17.9
Cobalt	5.5	6.8	5.17	4.56	<2.50	7.82	7.63	7.55	5.45	13.5	7.87	9.67	7.46	9.9
Copper	13.7	20.7	19.5	26.5	11.5	27.1	19.8	23.1	15.4	22.9	22.7	30.7	22	27.7
Iron	21100	22400	24000	18700	9950	15900	13000	17900	10400	13400	16200	20500	13600	18000
Lead	17.2	12.7	8.73	43.3	11.2	7.89	10.7	7.05	5.12	8.05	6.2	7.75	4.97	11
Magnesium	3050	3570	2790	5260	1800	4260	3550	3190	2620	3820	6720	8350	6660	8440
Manganese	127	156	133	206	95.2	130	203	124	126	225	365	440	360	466
Mercury	0.037	0.033-J	<0.020	0.015	<0.010	<0.020	0.03	0.028	0.02	0.024	0.024	0.025	0.022	0.028
Nickel	15.7	20.4	15.6	20.4	9.77	4.14	<2.50	<2.50	<2.50	8.63	3.8	6.12	3.45	7.11
Potassium	1270	1280	439	913	729	408	492	488	336	589	951	1130	872	841
Selenium	0.57-J	0.63-J	<0.25	3.73	7.97	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Silver	<0.22	<0.27	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Thallium	<2.2	<2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	29.3	26.5	20	16.7	10.3	14	11.6	11.2	8.29	16.5	9.95	12.7	9.67	10.9
Zinc	70.2	63.2	**302**	**10100**	**25400**	58	**398**	50	40.7	50.5	50.6	64.8	48	53.9

AREA F SAMPLES, 2006 DATA

Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-F-23	EX-F-24	EX-F-24A	EX-F-25	EX-F-25A	EX-F-26	EX-F-27	EX-F-27A	EX-F-28	EX-F-29	EX-F-30	EX-F-30A	EX-F-31	EX-F-31A	EX-F-32	EX-F-32A
				9/7/2006	9/7/2006	9/13/2006	9/7/2006	9/13/2006	9/7/2006	9/7/2006	9/13/2006	9/8/2006	9/8/2006	9/8/2006	9/13/2006	9/9/2006	9/13/2006	9/9/2006	9/13/2006
Aluminum	SB	33000	7080-12800	8500	11300	11800	10400	5340	11700	7090	9790	12000	11200	7950	7320	9350	11200	14900	12700
Antimony	SB	NA	0.2-0.59	<13.0/0.2	**85.3**	<13.0/0.2	**34.4**	<13.5/0.2	**24.5**	**16.5**	0.26-J	<14.7/0.2	<15.2/0.2	<13.6/0.2	<13.1/0.2	6.9- J	<13.2/0.2	<14.9/0.2	<14.3/0.2
Arsenic	7.5	3-12	4.3-16.4	<1.08	<1.28	1.66	<1.13	1.76	<1.18	<1.11	0.18	1.44	<1.27	<1.13	<1.10	2.19	0.52-J	<1.24	0.12-J
Barium	300	15-600	33-104	42.9	**3070**	103	**721**	42.4	46.5	52.6	29.5	111	53.2	**669**	246	454	113	511	62.3
Beryllium	0.16	0-1.75	0.38-0.67	<1.08	<1.28	0.55 J	<1.13	0.28 J	<1.18	<1.11	0.54 J	<1.22	<1.27	<1.13	0.35 J	0.43 J	0.60 J	0.67 J	0.99 J
Cadmium	1	0-1.75	0.21-0.52	<1.08	<1.28	<1.08	<1.13	<1.12	<1.18	<1.11	<1.20	<1.22	<1.27	<1.13	<1.10	<1.11	<1.10	<1.24	<1.19
Calcium	SB	130-35000	1280-46600	19900	3860	23800	19800	10400	2630	14600	2500	1450	1440	27000	20000	19500	23500	4300	3320
Chromium	10	1.5-40	9.3-17.5	14.3	25.9	21.6	19.3	10.2	19.8	12.1	18	18.8	19.8	13.6	13.2	16.6	19.9	20.9	21
Cobalt	30	2.5-60	5.3-12.2	12.7	**316**	23.9	**81.7**	11.3	17.3	11.8	33	15.8	19.2	**73.9**	32.1	54.8	24.0	58.8	14.9
Copper	25	1-50	13.4-26.9	23	32.7	35.5	28.3	19.8	34.3	18.8	42.2	25.3	19.4	16.4	22.8	19.5	32.4	19.3	42.4
Iron	2000	2000-550000	14100-25700	15900	20600	32600	17000	14700	17000	12700	27100	19400	20000	16000	16600	16400	28400	18600	24900
Lead	SB	NA	16.5-60.8	<1.08	<1.28	<1.08	<1.13	<1.12	<1.18	<1.11	<1.20	<1.22	<1.27	<1.13	<1.10	<1.11	<1.10	<1.24	<1.19
Magnesium	SB	100-5000	2150-13100	7490	5790	9770	8530	4660	5230	5960	4680	3630	4230	7230	7080	6620	9190	4720	5380
Manganese	SB	50-5000	197-875	444	287	548	497	334	130	371	222	97.4	91.9	360	397	487	520	228	117
Mercury	0.1	0.001-0.2	0.039-0.095	<0.217	<0.257	<0.108	<0.226	<0.112	<0.236	<0.222	<0.120	<0.244	<0.253	<0.226	<0.110	<0.111	<0.110	<0.124	<0.119
Nickel	13	0.5-25	10.6-24.8	<10.8	<12.8	<10.8	<11.3	<11.2	<11.8	<11.1	6.7 J	<12.2	<12.7	<11.3	<11.0	<11.1	0.23 J	<12.4	<11.9
Potassium	SB	8500-43000	443-1660	1230	925	1320	1590	545	1040	995	710	518	1080	822	791	1380	1280	1380	702
Selenium	2	0.1-3.9	0.44-1.2	<1.08	<1.28	<1.08	<1.13	<1.12	<1.18	<1.11	<1.20	<1.22	<1.27	<1.13	<1.10	<1.11	<1.10	<1.24	<1.19
Silver	SB	NA	0.16-0.17	<4.33	<5.13	<4.33	<4.52	<4.50	<4.72	<4.44	<4.80	<4.89	<5.06	<4.52	<4.36	<4.46	<4.39	<4.97	<4.75
Thallium	SB	NA	ND-0.67	<2.17	<2.57	<2.16	<2.26	<2.25	<2.36	<2.22	<2.40	<2.44	<2.53	<2.26	<2.19	<2.23	<2.20	<2.48	<2.38
Vanadium	150	1-300	13.7-24	10.6	15.6	13.4	14.3	5.2 J	16.3	<11.1	13.8	19.3	14.4	<11.3	9.1 J	11.3	12.9	18.5	14.9
Zinc	20	9-50	46-134	54	**1040**	74.1	**428**	28.8	79.3	76.3	88.3	48.8	69.1	**218**	45.1	**160**	63.8	**159**	64

AREA OF INTEREST 5

Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	TP-AOI-1/Area F	TP-AOI5-1	DS-AOI5-001	TP-AOI6-1	EX-AOI6-001*	EX-AOI5-001	EX-AOI5-001A	EX-AOI5-001B	EX-AOI5-002	EX-AOI5-002A	EX-AOI5-002B	EX-AOI5-003	EX-AOI5-003A	EX-AOI5-003B
				12/5/2005	11/30/2005	9/11/2006	11/30/2005	9/12/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006
Aluminum	SB	33000	7080-12800	8560	8550	15300	10400	16200	15600	16700	10200	14000	16300	10300	15300	15800	24300
Antimony	SB	NA	0.2-0.59	<3.45	<3.00	0.48-J	<3.00	15.6	0.33-J	0.68-J		0.31-J	0.48-J		0.51-J	0.49-J	
Arsenic	7.5	3-12	4.3-16.4	<0.29	<0.25	9.5	<0.25	1.57	8.0	13.2		8.0	13.3		6.9	11.9	
Barium	300	15-600	33-104	45.9	38.1	79.8	39.2	60.9	71.7	77.8		92.7	72.1		61.8	78.2	
Beryllium	0.16	0-1.75	0.38-0.67	0.41	0.44	0.77	0.54	0.55-J	0.75	0.83		0.73	0.88		0.77	0.84	
Cadmium	1	0-1.75	0.21-0.52	<0.29	<0.25	0.47-J	<0.25	<1.12	0.39-J	0.65		0.35-J	0.62		0.30-J	0.7	
Calcium	SB	130-35000	1280-46600	10200	18700	37800	11800	22400	13800	21400		49100	3300		20700	31300	
Chromium	10	1.5-40	9.3-17.5	13.7	18.8	23.8	16	26.4	23.3	23.6		21.1	23.9		24.0	23.1	
Cobalt	30	2.5-60	5.3-12.2	8.51	9.25	15.6	5.96	21.2	14.2	14.9		13.4	17.3		13.7	15.1	
Copper	25	1-50	13.4-26.9	26.3	48	44.7	8.24	36.7	36.3	40		42.3	45.4		38.6	40.3	
Iron	2000	2000-550000	14100-25700	14400	34600	35400	23300	15800	33900	35300	21500	29800	337700	22000	3290	35200	44700
Lead	SB	NA	16.5-60.8	10.5	21.1	16.9	10.7	<1.12	19.9	16.7		13.2	19.2		16.5	15.8	
Magnesium	SB	100-5000	2150-13100	6180	5900	8670	5650	8550	6660	8080		8150	7940		9090	8910	
Manganese	SB	50-5000	197-875	306	362	497	394	573	659	903		860	752		492	801	
Mercury	0.1	0.001-0.2	0.039-0.095	<0.023	<0.020	0.038-J	<0.020	<0.112	0.039	0.041		0.018-J	0.039-J		0-037-J	0.030-J	
Nickel	13	0.5-25	10.6-24.8	19.8	24.5	**35.1**	17.1	<11.2	**30.6**	**34.5**	7.02	**34.8**	**41**	4.92	**33.8**	**40**	5.9
Potassium	SB	8500-43000	443-1660	672	779	2460	720	2320	1890	2070		2230	2040		2300	2050	
Seleium	2	0.1-3.9	0.44-1.2	<0.29	<0.25	<0.21	<0.25	<1.12	<0.18	1.7-J		<0.17	1.7-J		<0.18	1.7-J	
Silver	SB	NA	0.16-0.17	<1.15	<1.00	<0.054	<1.00	<4.49	<0.047	<0.12		<0.045	<0.12		<0.048	<0.12	
Thallium	SB	NA	D-0.67	<0.58	<0.50	1.1-J	<0.50	<2.25	0.98-J	0.83-J		0.86-J	0.51-J		1.3-J	0.57-J	
Vanadium	150	1-300	13.7-24	15.5	16.3	27.6	17.3	19.7	28.2	27.3		24.2	26.8		26.8	25.7	
Zinc	20	9-50	46-134	58	76.1	93.8	54.9	86.2	87.3	94		78.0	94.5		85.3	85.8	

Note: Shaded samples ending in the letter "A" are for all metals except nickel
Shaded samples ending in the letter "B" are for nickel ONLY

AREA OF INTEREST 5, CONTINUED

Metal	EX-AOI5-004	EX-AOI5-004A	EX-AOI5-004B	EX-AOI5-005	EX-AOI5-005A	EX-AOI5-005B	EX-AOI5-006	EX-AOI5-006A	EX-AOI5-006B	EX-AOI5-007	EX-AOI5-007A
	9/18/2006	10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006	10/6/2006
Aluminum	16500	16400	18900	18600	15900	16200	15400	14900	15500	15400	15100
Antimony	<1.8	0.78-J		0.41-J	0.21-J		0.47-J	0.44-J		<1.8	0.63-J
Arsenic	9.4	11.2		11.4	8.7		9.8	9.3		10.2	9.1
Barium	81.5	76.7		110	181		75.5	78.6		79.6	79.3
Beryllium	0.87	0.89		1.1	0.8		0.82	0.79		0.86	0.81
Cadmium	0.18-J	0.72		0.27-J	0.86		0.28	0.69		0.26-J	0.78
Calcium	8330	12500		4390	36300		18900	28800		24700	23600
Chromium	26.4	24		26.6	22.3		24.1	21.4		24.3	22
Cobalt	15.7	16.3		19.4	11.8		16.0	13.8		18.9	15.6
Copper	45.2	45.3		49.9	35.9		44.7	39.5		47.5	40.3
Iron	36300	37100	30400	38300	33700	29400	35100	33900	30400	35100	32700
Lead	23.0	17.7		23.9	20.4		16.3	15		19.9	16.2
Magnesium	7920	8440		6550	6960		8520	10100		9320	8480
Manganese	703	662		916	642		581	710		898	679
Mercury	0.039	0.029		0.036	0.036		0.031-J	0.031-J		0.028-J	0.041
Nickel	**36.8**	**36.2**	13.1	**41.8**	**33.2**	9	**38.7**	**34.7**	8.1	**39.7**	**35.6**
Potassium	2040	1990		2040	1640		2220	2110		2340	2150
Seleium	<0.18	1.2-J		<0.18	1.7-J		<0.18	1.3-J		<0.17	1.6-J
Silver	<0.046	<0.12		<0.047	<0.12		<0.046	<0.11		<0.045	<0.11
Thallium	1.7-J	0.64-J		1.4-J	0.38-J		1.3-J	0.32-J		1.4-J	0.50-J
Vanadium	28.5	26.1		31.0	25.6		26.7	24.6		27.0	24.8
Zinc	95.6	103		104	111		95.6	88.5		102	92

Metal	EX-AOI5-007B	EX-AOI5-008	EX-AOI5-008A	EX-AOI5-008B	EX-AOI5-009	EX-AOI5-010	EX-AOI5-010A	EX-AOI5-010B	DUPE10606 (Dup 003A)	EX-AOI5-012 (Dup 003B)
	10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006	9/18/2006	10/6/2006	10/18/2006	10/6/2006	10/18/2006
Aluminum	15800	15500	15800	15800	15200	16100	15800	10300	15700	12600
Antimony		<1.8	0.39-J		0.25-J	<1.9	0.58-J		0.88-J	
Arsenic		9.0	9.9		9.2	8.2	9.3		10	
Barium		79.3	97.4		76.4	73.0	133		81.7	
Beryllium		0.82	0.84		0.81	0.80	0.8		0.83	
Cadmium		0.26	0.81		0.31-J	0.17-J	0.66		0.88	
Calcium		26800	28700		25500	8970	22900		34900	
Chromium		24.2	23		23.7	22.9	21.6		22.7	
Cobalt		17.3	15.4		15.2	15.1	14.6		16.7	
Copper		46.1	44		47.3	36.3	36.3		43.2	
Iron	29700	34300	35300	31500	34500	33200	32400	18600	35000	26000
Lead		16.9	17.2		15.9	19.0	16.7		16	
Magnesium		8910	9120		91.9	3730	7120		8750	
Manganese		724	646		648	688	622		945	
Mercury		0.043	0.023-J		0.032-J	0.028-J	0.026-J		0.045	
Nickel	6.69	**38.0**	**36.9**	5.07	**36.1**	**32.3**	**31.7**	<2.90	**42.1**	7.59
Potassium		2320	2300		2240	1810	1870		2050	
Seleium		<0.17	1.7-J		<0.18	<0.18	1.7-J		1.5-J	
Silver		<0.045	<0.12		<0.046	<0.048	<0.12		<0.11	
Thallium		1.3-J	<0.29		2.0-J	1.0-J	0.66-J		0.44-J	
Vanadium		26.9	25.7		26.4	28.1	26		25.3	
Zinc		97.9	92.4		100	86.8	95.9		93.9	

Note: Shaded samples ending in the letter "A" are for all metals except nickel
Shaded samples ending in the letter "B" are for nickel ONLY

ATTACHMENT A1.B

95% UCL CALCULATIONS

VOCS

AOC 2 — Variable: Benzene

Raw Statistics	
Number of Valid Samples	88
Number of Unique Samples	29
Minimum	0.0015
Maximum	0.23
Mean	0.006498
Median	0.002925
Standard Deviation	0.024521
Variance	0.000601
Coefficient of Variation	3.773393
Skewness	8.929451

Gamma Statistics	
k hat	0.906323
k star (bias corrected)	0.883002
Theta hat	0.00717
Theta star	0.007359
nu hat	159.5129
nu star	155.4083
Approx.Chi Square Value (.05)	127.5847
Adjusted Level of Significance	0.047273
Adjusted Chi Square Value	127.1674

Log-transformed Statistics	
Minimum of log data	-6.50229
Maximum of log data	-1.469676
Mean of log data	-5.68069
Standard Deviation of log data	0.648274
Variance of log data	0.42026

RECOMMENDATION
Data are Non-parametric (0.05)

Use 95% Chebyshev (Mean, Sd) UCL

Normal Distribution Test	
Lilliefors Test Statisitic	0.436692
Lilliefors 5% Critical Value	0.094448
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	0.010844

Gamma Distribution Test	
A-D Test Statistic	22.64723
A-D 5% Critical Value	0.786713
K-S Test Statistic	0.417714
K-S 5% Critical Value	0.09849
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	0.007915
Adjusted Gamma UCL	0.007941

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.359309
Lilliefors 5% Critical Value	0.094448
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	0.004814
95% Chebyshev (MVUE) UCL	0.005574
97.5% Chebyshev (MVUE) UCL	0.00617
99% Chebyshev (MVUE) UCL	0.007341

95% Non-parametric UCLs	
CLT UCL	0.010798
Adj-CLT UCL (Adjusted for skewness)	0.013456
Mod-t UCL (Adjusted for skewness)	0.011259
Jackknife UCL	0.010844
Standard Bootstrap UCL	0.010878
Bootstrap-t UCL	0.034642
Hall's Bootstrap UCL	0.028245
Percentile Bootstrap UCL	0.011678
BCA Bootstrap UCL	0.016892
95% Chebyshev (Mean, Sd) UCL	0.017892
97.5% Chebyshev (Mean, Sd) UCL	0.022822
99% Chebyshev (Mean, Sd) UCL	0.032506

AOC 2

Variable: Vinyl Chloride

Raw Statistics	
Number of Valid Samples	88
Number of Unique Samples	16
Minimum	0.0021
Maximum	0.07
Mean	0.007964
Median	0.006
Standard Deviation	0.009346
Variance	8.73E-05
Coefficient of Variation	1.173533
Skewness	5.547532

Gamma Statistics	
k hat	2.629744
k star (bias corrected)	2.547669
Theta hat	0.003028
Theta star	0.003126
nu hat	462.8349
nu star	448.3898
Approx.Chi Square Value (.05)	400.2855
Adjusted Level of Significance	0.047273
Adjusted Chi Square Value	399.5352

Log-transformed Statistics	
Minimum of log data	-6.165818
Maximum of log data	-2.65926
Mean of log data	-5.034889
Standard Deviation of log data	0.495356
Variance of log data	0.245378

Normal Distribution Test	
Lilliefors Test Statisitic	0.403134
Lilliefors 5% Critical Value	0.094448
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	0.00962

Gamma Distribution Test	
A-D Test Statistic	15.40823
A-D 5% Critical Value	0.761193
K-S Test Statistic	0.384032
K-S 5% Critical Value	0.096212
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	0.008921
Adjusted Gamma UCL	0.008937

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.349121
Lilliefors 5% Critical Value	0.094448
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	0.008109
95% Chebyshev (MVUE) UCL	0.009126
97.5% Chebyshev (MVUE) UCL	0.009897
99% Chebyshev (MVUE) UCL	0.011411

95% Non-parametric UCLs	
CLT UCL	0.009602
Adj-CLT UCL (Adjusted for skewness)	0.010232
Mod-t UCL (Adjusted for skewness)	0.009718
Jackknife UCL	0.00962
Standard Bootstrap UCL	0.009601
Bootstrap-t UCL	0.012584
Hall's Bootstrap UCL	0.017059
Percentile Bootstrap UCL	0.009705
BCA Bootstrap UCL	0.010306
95% Chebyshev (Mean, Sd) UCL	0.012306
97.5% Chebyshev (Mean, Sd) UCL	0.014185
99% Chebyshev (Mean, Sd) UCL	0.017876

RECOMMENDATION
Data are Non-parametric (0.05)

Use Student's-t UCL
or Modified-t UCL

SVOCS

AOC 2

Variable: bis(2-ethylhexyl) phthalate

Raw Statistics	
Number of Valid Samples	74
Number of Unique Samples	20
Minimum	0.036
Maximum	220
Mean	3.265054
Median	0.195
Standard Deviation	25.54767
Variance	652.6836
Coefficient of Variation	7.824579
Skewness	8.59451

Gamma Statistics	
k hat	0.260407
k star (bias corrected)	0.258859
Theta hat	12.53825
Theta star	12.61323
nu hat	38.5403
nu star	38.31119
Approx.Chi Square Value (.05)	25.13389
Adjusted Level of Significance	0.046757
Adjusted Chi Square Value	24.92178

Log-transformed Statistics	
Minimum of log data	-3.324236
Maximum of log data	5.393628
Mean of log data	-1.526416
Standard Deviation of log data	1.033462
Variance of log data	1.068044

RECOMMENDATION

Data are Non-parametric (0.05)

Use 97.5% Chebyshev (Mean, Sd) UCL

Normal Distribution Test	
Lilliefors Test Statisitic	0.504416
Lilliefors 5% Critical Value	0.102995
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	8.212823

Gamma Distribution Test	
A-D Test Statistic	26.378
A-D 5% Critical Value	0.883028
K-S Test Statistic	0.530019
K-S 5% Critical Value	0.113604
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	4.97687
Adjusted Gamma UCL	5.019229

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.397027
Lilliefors 5% Critical Value	0.102995
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	0.488261
95% Chebyshev (MVUE) UCL	0.597474
97.5% Chebyshev (MVUE) UCL	0.697335
99% Chebyshev (MVUE) UCL	0.893493

95% Non-parametric UCLs	
CLT UCL	8.150034
Adj-CLT UCL (Adjusted for skewness)	11.32049
Mod-t UCL (Adjusted for skewness)	8.70735
Jackknife UCL	8.212823
Standard Bootstrap UCL	7.93216
Bootstrap-t UCL	177.167
Hall's Bootstrap UCL	175.6925
Percentile Bootstrap UCL	9.204554
BCA Bootstrap UCL	12.23636
95% Chebyshev (Mean, Sd) UCL	16.21036
97.5% Chebyshev (Mean, Sd) UCL	21.8118
99% Chebyshev (Mean, Sd) UCL	32.81476

PESTICIDES/HERBICIDES/PCBS

AOC 2

Variable: 4,4-DDD

Raw Statistics	
Number of Valid Samples	74
Number of Unique Samples	36
Minimum	0.29
Maximum	240
Mean	5.617973
Median	0.95
Standard Deviation	28.4297
Variance	808.2476
Coefficient of Variation	5.06049
Skewness	7.968542

Gamma Statistics	
k hat	0.438855
k star (bias corrected)	0.430072
Theta hat	12.80145
Theta star	13.06286
nu hat	64.95047
nu star	63.65068
Approx.Chi Square Value (.05)	46.29339
Adjusted Level of Significance	0.046757
Adjusted Chi Square Value	45.99983

Log-transformed Statistics	
Minimum of log data	-1.237874
Maximum of log data	5.480639
Mean of log data	0.248625
Standard Deviation of log data	1.076391
Variance of log data	1.158617

Normal Distribution Test	
Lilliefors Test Statisitic	0.429364
Lilliefors 5% Critical Value	0.102995
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	11.1239

Gamma Distribution Test	
A-D Test Statistic	15.39715
A-D 5% Critical Value	0.83222
K-S Test Statistic	0.381921
K-S 5% Critical Value	0.11065
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	7.724382
Adjusted Gamma UCL	7.773676

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.294829
Lilliefors 5% Critical Value	0.102995
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	3.065412
95% Chebyshev (MVUE) UCL	3.760929
97.5% Chebyshev (MVUE) UCL	4.409924
99% Chebyshev (MVUE) UCL	5.684748

95% Non-parametric UCLs	
CLT UCL	11.05403
Adj-CLT UCL (Adjusted for skewness)	14.32517
Mod-t UCL (Adjusted for skewness)	11.63413
Jackknife UCL	11.1239
Standard Bootstrap UCL	10.96141
Bootstrap-t UCL	68.93677
Hall's Bootstrap UCL	37.97071
Percentile Bootstrap UCL	11.88257
BCA Bootstrap UCL	16.68054
95% Chebyshev (Mean, Sd) UCL	20.02363
97.5% Chebyshev (Mean, Sd) UCL	26.25697
99% Chebyshev (Mean, Sd) UCL	38.50116

RECOMMENDATION
Data are Non-parametric (0.05)

Use 97.5% Chebyshev (Mean, Sd) UCL

AOC 2

Variable: 4,4-DDT

Raw Statistics	
Number of Valid Samples	74
Number of Unique Samples	38
Minimum	0.24
Maximum	390
Mean	9.914324
Median	0.95
Standard Deviation	48.99056
Variance	2400.075
Coefficient of Variation	4.941392
Skewness	6.992138

Gamma Statistics	
k hat	0.337191
k star (bias corrected)	0.33253
Theta hat	29.40271
Theta star	29.81483
nu hat	49.90425
nu star	49.21444
Approx.Chi Square Value (.05)	34.10627
Adjusted Level of Significance	0.046757
Adjusted Chi Square Value	33.85658

Log-transformed Statistics	
Minimum of log data	-1.427116
Maximum of log data	5.966147
Mean of log data	0.287592
Standard Deviation of log data	1.254731
Variance of log data	1.574349

Normal Distribution Test	
Lilliefors Test Statisitic	0.470763
Lilliefors 5% Critical Value	0.102995
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	19.40223

Gamma Distribution Test	
A-D Test Statistic	17.67712
A-D 5% Critical Value	0.856496
K-S Test Statistic	0.381109
K-S 5% Critical Value	0.112163
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	14.30611
Adjusted Gamma UCL	14.41161

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.293348
Lilliefors 5% Critical Value	0.102995
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	4.231758
95% Chebyshev (MVUE) UCL	5.211768
97.5% Chebyshev (MVUE) UCL	6.222585
99% Chebyshev (MVUE) UCL	8.20814

95% Non-parametric UCLs	
CLT UCL	19.28183
Adj-CLT UCL (Adjusted for skewness)	24.22802
Mod-t UCL (Adjusted for skewness)	20.17374
Jackknife UCL	19.40223
Standard Bootstrap UCL	19.31846
Bootstrap-t UCL	103.7833
Hall's Bootstrap UCL	62.88023
Percentile Bootstrap UCL	20.3927
BCA Bootstrap UCL	27.23973
95% Chebyshev (Mean, Sd) UCL	34.73841
97.5% Chebyshev (Mean, Sd) UCL	45.47982
99% Chebyshev (Mean, Sd) UCL	66.57923

RECOMMENDATION
Data are Non-parametric (0.05)

Use 97.5% Chebyshev (Mean, Sd) UCL

METALS

AOC 2

Variable: Aluminum

Raw Statistics	
Number of Valid Samples	75
Number of Unique Samples	57
Minimum	5340
Maximum	27300
Mean	14350.93
Median	15600
Standard Deviation	4020.598
Variance	16165209
Coefficient of Variation	0.280163
Skewness	-0.23123

Gamma Statistics	
k hat	10.98704
k star (bias corrected)	10.55645
Theta hat	1306.169
Theta star	1359.447
nu hat	1648.056
nu star	1583.467
Approx.Chi Square Value (.05)	1492.033
Adjusted Level of Significance	0.0468
Adjusted Chi Square Value	1490.311

Log-transformed Statistics	
Minimum of log data	8.582981
Maximum of log data	10.21464
Mean of log data	9.525372
Standard Deviation of log data	0.322752
Variance of log data	0.104169

RECOMMENDATION
Data are Non-parametric (0.05)

Use Student's-t UCL
or Modified-t UCL

Normal Distribution Test	
Lilliefors Test Statisitic	0.181454
Lilliefors 5% Critical Value	0.102306
Data not normal at 5% significance level	
95% UCL (Assuming Normal Distribution)	
Student's-t UCL	15124.25
Gamma Distribution Test	
A-D Test Statistic	3.427226
A-D 5% Critical Value	0.750526
K-S Test Statistic	0.220361
K-S 5% Critical Value	0.103007
Data do not follow gamma distribution at 5% significance level	
95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	15230.37
Adjusted Gamma UCL	15247.98
Lognormal Distribution Test	
Lilliefors Test Statisitic	0.236188
Lilliefors 5% Critical Value	0.102306
Data not lognormal at 5% significance level	
95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	15417.08
95% Chebyshev (MVUE) UCL	16822.15
97.5% Chebyshev (MVUE) UCL	17859.35
99% Chebyshev (MVUE) UCL	19896.71
95% Non-parametric UCLs	
CLT UCL	15114.57
Adj-CLT UCL (Adjusted for skewness)	15101.33
Mod-t UCL (Adjusted for skewness)	15122.19
Jackknife UCL	15124.25
Standard Bootstrap UCL	15096.49
Bootstrap-t UCL	15103.69
Hall's Bootstrap UCL	15126.71
Percentile Bootstrap UCL	15102.93
BCA Bootstrap UCL	15062
95% Chebyshev (Mean, Sd) UCL	16374.59
97.5% Chebyshev (Mean, Sd) UCL	17250.23
99% Chebyshev (Mean, Sd) UCL	18970.25

AOC 2

Variable: Antimony

Raw Statistics	
Number of Valid Samples	75
Number of Unique Samples	22
Minimum	0.1
Maximum	3.76
Mean	0.884
Median	0.85
Standard Deviation	0.535153
Variance	0.286389
Coefficient of Variation	0.605377
Skewness	2.033434

Gamma Statistics	
k hat	2.339168
k star (bias corrected)	2.254491
Theta hat	0.377912
Theta star	0.392106
nu hat	350.8753
nu star	338.1736
Approx.Chi Square Value (.05)	296.5547
Adjusted Level of Significance	0.0468
Adjusted Chi Square Value	295.7964

Log-transformed Statistics	
Minimum of log data	-2.302585
Maximum of log data	1.324419
Mean of log data	-0.352022
Standard Deviation of log data	0.797041
Variance of log data	0.635274

RECOMMENDATION
Data are Non-parametric (0.05)

Use 95% Chebyshev (Mean, Sd) UCL

Normal Distribution Test	
Lilliefors Test Statisitic	0.248074
Lilliefors 5% Critical Value	0.102306
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	0.986931

Gamma Distribution Test	
A-D Test Statistic	4.528745
A-D 5% Critical Value	0.761532
K-S Test Statistic	0.224446
K-S 5% Critical Value	0.104215
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	1.008062
Adjusted Gamma UCL	1.010646

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.265502
Lilliefors 5% Critical Value	0.102306
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	1.169598
95% Chebyshev (MVUE) UCL	1.395791
97.5% Chebyshev (MVUE) UCL	1.583974
99% Chebyshev (MVUE) UCL	1.953623

95% Non-parametric UCLs	
CLT UCL	0.985642
Adj-CLT UCL (Adjusted for skewness)	1.001146
Mod-t UCL (Adjusted for skewness)	0.989349
Jackknife UCL	0.986931
Standard Bootstrap UCL	0.985751
Bootstrap-t UCL	1.001036
Hall's Bootstrap UCL	1.026645
Percentile Bootstrap UCL	0.989467
BCA Bootstrap UCL	1.0016
95% Chebyshev (Mean, Sd) UCL	1.153355
97.5% Chebyshev (Mean, Sd) UCL	1.269905
99% Chebyshev (Mean, Sd) UCL	1.498844

AOC 2

Variable: Chromium

Raw Statistics	
Number of Valid Samples	75
Number of Unique Samples	59
Minimum	10.2
Maximum	35.1
Mean	21.348
Median	21.8
Standard Deviation	4.343444
Variance	18.8655
Coefficient of Variation	0.203459
Skewness	-0.373594

Gamma Statistics	
k hat	21.56123
k star (bias corrected)	20.70767
Theta hat	0.990111
Theta star	1.030922
nu hat	3234.184
nu star	3106.15
Approx.Chi Square Value (.05)	2977.626
Adjusted Level of Significance	0.0468
Adjusted Chi Square Value	2975.185

Log-transformed Statistics	
Minimum of log data	2.322388
Maximum of log data	3.558201
Mean of log data	3.037589
Standard Deviation of log data	0.226799
Variance of log data	0.051438

RECOMMENDATION
Data are Non-parametric (0.05)

Use Student's-t UCL
or Modified-t UCL

Normal Distribution Test	
Lilliefors Test Statisitic	0.122258
Lilliefors 5% Critical Value	0.102306
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	22.18341

Gamma Distribution Test	
A-D Test Statistic	2.194872
A-D 5% Critical Value	0.749913
K-S Test Statistic	0.151679
K-S 5% Critical Value	0.10279
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	22.26945
Adjusted Gamma UCL	22.28772

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.165527
Lilliefors 5% Critical Value	0.102306
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	22.38749
95% Chebyshev (MVUE) UCL	23.86039
97.5% Chebyshev (MVUE) UCL	24.92903
99% Chebyshev (MVUE) UCL	27.02815

95% Non-parametric UCLs	
CLT UCL	22.17296
Adj-CLT UCL (Adjusted for skewness)	22.14984
Mod-t UCL (Adjusted for skewness)	22.17981
Jackknife UCL	22.18341
Standard Bootstrap UCL	22.17628
Bootstrap-t UCL	22.16734
Hall's Bootstrap UCL	22.15776
Percentile Bootstrap UCL	22.19067
BCA Bootstrap UCL	22.164
95% Chebyshev (Mean, Sd) UCL	23.53415
97.5% Chebyshev (Mean, Sd) UCL	24.4801
99% Chebyshev (Mean, Sd) UCL	26.33824

AOC 2

Variable: Manganese

Raw Statistics	
Number of Valid Samples	75
Number of Unique Samples	69
Minimum	91.9
Maximum	977
Mean	504.204
Median	520
Standard Deviation	205.2541
Variance	42129.23
Coefficient of Variation	0.407085
Skewness	-0.012867

Gamma Statistics	
k hat	4.64157
k star (bias corrected)	4.464796
Theta hat	108.6279
Theta star	112.9288
nu hat	696.2356
nu star	669.7195
Approx.Chi Square Value (.05)	610.6665
Adjusted Level of Significance	0.0468
Adjusted Chi Square Value	609.5708

Log-transformed Statistics	
Minimum of log data	4.520701
Maximum of log data	6.884487
Mean of log data	6.111408
Standard Deviation of log data	0.529589
Variance of log data	0.280465

Normal Distribution Test	
Lilliefors Test Statisitic	0.051238
Lilliefors 5% Critical Value	0.102306
Data are normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	543.6824

Gamma Distribution Test	
A-D Test Statistic	1.438037
A-D 5% Critical Value	0.754918
K-S Test Statistic	0.094452
K-S 5% Critical Value	0.103396
Data follow approximate gamma distibution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	552.9618
Adjusted Gamma UCL	553.9557

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.121436
Lilliefors 5% Critical Value	0.102306
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	582.0148
95% Chebyshev (MVUE) UCL	664.0403
97.5% Chebyshev (MVUE) UCL	727.334
99% Chebyshev (MVUE) UCL	851.6622

95% Non-parametric UCLs	
CLT UCL	543.1882
Adj-CLT UCL (Adjusted for skewness)	543.1506
Mod-t UCL (Adjusted for skewness)	543.6765
Jackknife UCL	543.6824
Standard Bootstrap UCL	543.0857
Bootstrap-t UCL	543.4644
Hall's Bootstrap UCL	542.4639
Percentile Bootstrap UCL	542.9987
BCA Bootstrap UCL	545.1467
95% Chebyshev (Mean, Sd) UCL	607.5129
97.5% Chebyshev (Mean, Sd) UCL	652.2148
99% Chebyshev (Mean, Sd) UCL	740.023

RECOMMENDATION

Data are normal (0.05)

Use Student's-t UCL

AOC 2

Variable: Thallium

Raw Statistics		Normal Distribution Test	
Number of Valid Samples	75	Lilliefors Test Statisitic	0.139721
Number of Unique Samples	44	Lilliefors 5% Critical Value	0.102306
Minimum	0.105	Data not normal at 5% significance level	
Maximum	2.2		
Mean	0.709867	95% UCL (Assuming Normal Distribution)	
Median	0.58	Student's-t UCL	0.793897
Standard Deviation	0.436885		
Variance	0.190868	Gamma Distribution Test	
Coefficient of Variation	0.615446	A-D Test Statistic	1.933002
Skewness	0.707853	A-D 5% Critical Value	0.760408
		K-S Test Statistic	0.128981
Gamma Statistics		K-S 5% Critical Value	0.104078
k hat	2.55982	Data do not follow gamma distribution	
k star (bias corrected)	2.466316	at 5% significance level	
Theta hat	0.277311		
Theta star	0.287825	95% UCLs (Assuming Gamma Distribution)	
nu hat	383.973	Approximate Gamma UCL	0.804668
nu star	369.9475	Adjusted Gamma UCL	0.806636
Approx.Chi Square Value (.05)	326.3624		
Adjusted Level of Significance	0.0468	Lognormal Distribution Test	
Adjusted Chi Square Value	325.566	Lilliefors Test Statisitic	0.131438
		Lilliefors 5% Critical Value	0.102306
Log-transformed Statistics		Data not lognormal at 5% significance level	
Minimum of log data	-2.253795		
Maximum of log data	0.788457	95% UCLs (Assuming Lognormal Distribution)	
Mean of log data	-0.55054	95% H-UCL	0.846683
Standard Deviation of log data	0.677156	95% Chebyshev (MVUE) UCL	0.992214
Variance of log data	0.45854	97.5% Chebyshev (MVUE) UCL	1.108906
		99% Chebyshev (MVUE) UCL	1.338126
		95% Non-parametric UCLs	
		CLT UCL	0.792845
		Adj-CLT UCL (Adjusted for skewness)	0.797251
		Mod-t UCL (Adjusted for skewness)	0.794584
		Jackknife UCL	0.793897
		Standard Bootstrap UCL	0.791253
		Bootstrap-t UCL	0.80032
RECOMMENDATION		Hall's Bootstrap UCL	0.79782
Data are Non-parametric (0.05)		Percentile Bootstrap UCL	0.795933
		BCA Bootstrap UCL	0.792133
Use 95% Chebyshev (Mean, Sd) UCL		95% Chebyshev (Mean, Sd) UCL	0.92976
		97.5% Chebyshev (Mean, Sd) UCL	1.024909
		99% Chebyshev (Mean, Sd) UCL	1.211809

AOC 2

Variable: Vanadium

Raw Statistics	
Number of Valid Samples	75
Number of Unique Samples	63
Minimum	5.2
Maximum	45.2
Mean	23.4516
Median	26.1
Standard Deviation	8.51134
Variance	72.44291
Coefficient of Variation	0.362932
Skewness	-0.472783

Gamma Statistics	
k hat	5.860239
k star (bias corrected)	5.634718
Theta hat	4.001817
Theta star	4.161983
nu hat	879.0358
nu star	845.2077
Approx.Chi Square Value (.05)	778.7221
Adjusted Level of Significance	0.0468
Adjusted Chi Square Value	777.4825

Log-transformed Statistics	
Minimum of log data	1.648659
Maximum of log data	3.811097
Mean of log data	3.067198
Standard Deviation of log data	0.458124
Variance of log data	0.209878

RECOMMENDATION
Data are Non-parametric (0.05)

Use Student's-t UCL
or Modified-t UCL

Normal Distribution Test	
Lilliefors Test Statisitic	0.212628
Lilliefors 5% Critical Value	0.102306
Data not normal at 5% significance level	

95% UCL (Assuming Normal Distribution)	
Student's-t UCL	25.08866

Gamma Distribution Test	
A-D Test Statistic	5.253667
A-D 5% Critical Value	0.753682
K-S Test Statistic	0.253715
K-S 5% Critical Value	0.103266
Data do not follow gamma distribution at 5% significance level	

95% UCLs (Assuming Gamma Distribution)	
Approximate Gamma UCL	25.45385
Adjusted Gamma UCL	25.49443

Lognormal Distribution Test	
Lilliefors Test Statisitic	0.269671
Lilliefors 5% Critical Value	0.102306
Data not lognormal at 5% significance level	

95% UCLs (Assuming Lognormal Distribution)	
95% H-UCL	26.29074
95% Chebyshev (MVUE) UCL	29.56364
97.5% Chebyshev (MVUE) UCL	32.04818
99% Chebyshev (MVUE) UCL	36.92858

95% Non-parametric UCLs	
CLT UCL	25.06817
Adj-CLT UCL (Adjusted for skewness)	25.01084
Mod-t UCL (Adjusted for skewness)	25.07972
Jackknife UCL	25.08866
Standard Bootstrap UCL	25.05411
Bootstrap-t UCL	24.99749
Hall's Bootstrap UCL	24.97202
Percentile Bootstrap UCL	24.98667
BCA Bootstrap UCL	25.00573
95% Chebyshev (Mean, Sd) UCL	27.73555
97.5% Chebyshev (Mean, Sd) UCL	29.58921
99% Chebyshev (Mean, Sd) UCL	33.23039