



# RISK ANALYSIS

## DUPONT EDGE MOOR SITE

### EDGEMOOR, DELAWARE

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## ACRONYMS

Acronym	Definition / Description
AB	(Dermal) absorption factor
ADQM	(DuPont) Analytical Data Quality Management (system)
AF	(Dermal) adherence factor
ALM	Adult Lead Model
AT	Averaging time
bgs	Below ground surface
BW	Body weight
CDI	Chronic daily intake
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF	Conversion factor
cfs	Cubic feet per second
cm <sup>2</sup>	Square centimeter
CMS	Corrective Measures Study
COC	Constituent of concern
COPC	Constituent of potential concern
CR	Contact rate
CSM	Conceptual site model
CT	Central tendency
DNREC	(Delaware) Department of Natural Resources and Environmental Control
DRBC	Delaware River Basin Commission
DuPont	E. I. du Pont de Nemours and Company
ED	Exposure duration
EF	Exposure frequency
EI	Environmental Indicator
EPC	Exposure point concentration
ET	Exposure time
FeCl <sub>3</sub>	Ferric chloride
HEAST	Health Effects Summary Tables
HHRA	Human health risk analysis
HI	Hazard index
HQ	Hazard quotient
IN	Inhalation rate, air
IRS	Ingestion rate, soil
IRIS	Integrated Risk Information System
kg	Kilograms
L/mL	Liter per milliliter
LOAEL	Lowest observed adverse effect level

<b>Acronym</b>	<b>Definition / Description</b>
mg/m <sup>3</sup>	Milligram per cubic meter
MCL	Maximum contaminant level
µg/dL	Microgram per deciliter
mgd	Million gallons per day
mg/kg	Milligrams per kilogram
mg/kg-day	Milligrams per of chemical per kilogram of body weight per day
MRL	Minimal risk level
NOAEL	No-observed-adverse-effect level
OEHHA	Office of Environmental Health Hazard Assessment
ORO	Oil-range organics
PC	Permeability constant
PCB	Polychlorinated biphenyl
PPE	Personal protective equipment
RA	Risk analysis
RAGS	Risk Assessment Guidance for Superfund
RAIS	Risk Assessment Information System
RBSC	Risk-based screening criteria
RCRA	Resource Conservation and Recovery Act
RfC	Reference concentration
RfD	Reference dose
RFI	RCRA Facility Investigation
R.M.	River Mile
RME	Reasonable maximum exposure
RSL	Regional Screening Level
SA	Skin surface area
SF	Slope factor
SVOC	Semi-volatile organic compound
SWMU	Solid waste management unit
SWPF	Surface water protection factor
TiO <sub>2</sub>	Titanium dioxide
TiCl <sub>4</sub>	Titanium tetrachloride
TOC	Total organic carbon
TPH	Total petroleum hydrocarbons
UCL	Upper confidence limit
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	Volatile organic compound



## EXECUTIVE SUMMARY

Between October 2008 and August 2010, E. I. du Pont de Nemours and Company (DuPont) completed Phase I and II Resource Conservation and Recovery Act (RCRA) Facility Investigations (RFIs) at its pigment manufacturing facility (Site) located in Edgemoor, New Castle County, Delaware. The Delaware Department of Natural Resources and Environmental Control (DNREC) concluded that the March 2011 Phase II Data Summary Report “sufficiently addresses the nature and extent of releases” at the site (DNREC 2011). DNREC required a “risk analysis” report documenting the evaluation of any human health and/or ecological impacts as part of the RFI. This analysis would provide support in evaluating any appropriate response as part of a subsequent Corrective Measures Study.

Parsons has performed the requested risk analysis specifically to evaluate any human health and/or ecological impacts from the releases associated with 12 Solid Waste Management Units (SWMUs) at the Site and sitewide groundwater.

Potential human receptors identified include on-site industrial workers, on-site construction workers, and off-site recreational users of the Delaware River. Constituents of potential concern (COPCs) were identified using an accepted screening process. Consistent with DNREC requirements, risks for on-site human receptors were estimated for each SWMU using the Risk Assessment Information System calculator and United States Environmental Protection Agency (USEPA) high-end default exposure assumptions. The findings are as follows:

- With the exception of SWMU 1&3, the total excess cancer risks estimated for on-site industrial and construction workers were below  $1 \times 10^{-5}$  for all SWMUs. The exceedance at SWMU 1&3 ( $5 \times 10^{-5}$ ), is driven by two nominally elevated benzo(a)pyrene results, including one in fill material. The recalculated cancer risk at more likely conditions is below  $1 \times 10^{-5}$  ( $3 \times 10^{-6}$ ).
- The hazard indices estimated for on-site industrial and construction workers do not exceed the benchmark of 1, indicating that the exposures will not result in adverse health effects to these receptors.

Lead hazards for human health were evaluated using the adult lead model (USEPA 2009a). The evaluation results show that adverse effects from exposures to lead in soils at the Site are unlikely for human receptors.

For the off-site recreational user, results show that all detected concentrations in the shallow perimeter wells are below risk-based screening criteria (RBSCs); that is, surface water RBSCs are adjusted by an accepted groundwater to surface water attenuation factor (i.e., a surface water protection factor, SWPF). Therefore, no COPCs were identified for further evaluation for the off-site recreational user scenario.

An ecological screening evaluation was conducted for the aquatic receptors in the Delaware River. Groundwater results in the perimeter wells were compared to site-specific ecological screening levels (i.e., surface water screening levels adjusted by the accepted SWPF). Results of the screening showed no exceedances; therefore, no potential risk was identified for ecological receptors and no further evaluation was performed.

In summary, results of the multi-phase RFI and risk analysis at DuPont Edgemoor show that there should be no unacceptable risks to human health and the environment from soils or sitewide groundwater.

DNREC also requested that DuPont evaluate whether the data are sufficient to perform Environmental Indicator (EI) determinations. The conclusions of this report support positive determinations for both EI 725 and 750. These reports were submitted to DNREC in June 2012.

## 1.0 INTRODUCTION

Between October 2008 and August 2010, E. I. du Pont de Nemours and Company (DuPont) completed Phase I and II Resource Conservation and Recovery Act (RCRA) Facility Investigations (RFIs) at its pigment manufacturing facility (Site) located in Edgemoor, New Castle County, Delaware (Figure 1). The Delaware Department of Natural Resources (DNREC) requested this site-specific Risk Analysis (RA) Report in its approval letter for the Phase II RFI Data Summary Report (DNREC 2011). The purpose of the analysis is to evaluate any human health and/or ecological impacts from the releases from regulated units at the Site. The nature and extent were defined through the Phase I and II RFI activities, during which sufficient data were collected to perform the RA. The RA findings will contribute to the site characterization initiated in the RFIs and assist in the development and selection of appropriate response alternatives that will be presented in the subsequent Corrective Measures Study (CMS). Parsons has prepared this RA on behalf of DuPont.

DNREC also requested an assessment of whether the current data support achievement of the United States Environmental Protection Agency (USEPA) Environmental Indicators (EIs). The EI Report Current Human Exposure Under Control (CA 725) and the EI Report Migration of Contaminated Groundwater Under Control (CA 750) were submitted to DNREC on June 4, 2012 (Parsons 2012a, 2012b).

### 1.1 Site Background

Site manufacturing operations include production of titanium dioxide ( $\text{TiO}_2$ ) pigment used in the paper industry, titanium tetrachloride ( $\text{TiCl}_4$ ), and ferric chloride ( $\text{FeCl}_3$ ).  $\text{TiO}_2$  pigment is produced by processing naturally-occurring ilmenite ore (a weakly magnetic titanium iron-oxide mineral that is iron-black or steel-gray) to separate  $\text{TiO}_2$  from other metal oxide impurities. The  $\text{TiO}_2$  is then further refined to impart different desired properties.

The Site was a residence and farm from 1682 until the early 1930s when Krebs Company purchased it for the production of  $\text{TiO}_2$ . DuPont purchased the  $\text{TiO}_2$  production facility in 1935.

The Site currently consists of several manufacturing buildings, warehouses, storage areas, and outdoor storage pads. The land surface cover within the active industrial manufacturing areas consists predominately of concrete, gravel, buildings, and asphalt (Figure 2).

A 6-foot-high fence topped with barbed wire surrounds the Site. The fence and property perimeter are routinely monitored to control trespassing and to inspect the condition of the fence. The surrounding land use is primarily commercial and light industrial with some recreational uses (the Delaware River runs adjacent to the eastern perimeter of the Site and Fox Point State Park is to the north). The closest residence is located approximately 1,200 feet west and northwest of the Site. Specific land uses include the following:

- North: Industrial, railroad tracks, Interstate 495, Highway 13 and Fox Point State Park (recreational use)
- East: Delaware River

- South: Industrial
- West: Light Industrial and Interstate 495

## 1.2 Hydrogeology

Shallow and deep groundwater zones at the Site were investigated during the Phase I and II RFIs conducted between 2007 and 2010. The information obtained from the Phase I and II RFIs concluded that there are no distinct, continuous, shallow or deep water-bearing zones present beneath the Site. The interior wells are localized (i.e., not connected), and the localized saturated zones are discontinuous. Therefore, the interior wells are not in hydraulic connection with one another or the adjacent surface water. Only saturated zones adjacent to the Delaware River are in hydraulic connection with the river. Tidal influence of up to three feet was measured in monitoring wells along the southern half of the Site.

The groundwater present at the Site is not used for drinking water or other potable purposes. The subsurface is virtually unproductive for water supply, due to discontinuous sand lenses and perched water-bearing zones.

United Water Delaware provides the Site's potable water supply for drinking, sanitary uses, and manufacturing processes. The Site does not use surface water from the Delaware River for potable uses. The manufacturing facility does pump seven to eight million gallons per day (mgd) of water from the Delaware River for use as process and cooling water, but on-site workers are not in contact with this water. Surface water use is consistent with the Delaware River Basin Commission (DRBC) classification for this river section (Zone 5, which extends from River Mile [R.M.] 78.8 to R.M. 48.2) (DRBC 2010).

The Site is located along the western bank of the Delaware River, at river mile (R.M.) 72.7. Water use to be protected in Zone 5 includes industrial supplies (after reasonable treatment); maintenance of resident fish and other aquatic life; propagation of resident fish from R.M. 70.0 to R.M. 48.2; passage of anadromous fish and wildlife; recreation; and navigation. Freshwater stream quality objectives apply to the Site because it is located upstream of the Delaware Memorial Bridges (R.M. 68.75).

## 1.3 Previous Investigations

Twenty-nine solid waste management units (SWMUs) have been identified at the Site. Based on historical knowledge and previous investigations, a no further investigation status was granted to SWMUs 7A, 7B, 9, 10, 11, 12, 14, 19, 22, and 26 prior to beginning the Phase I RFI. SWMUs 2 and 6 were also not included in the investigations. SWMU 2 is still in operation; DNREC and DuPont have agreed that the SWMU will be evaluated when operations cease. SWMU 6 (Closed Surface Impoundments) is regulated under DNREC Corrective Action Permit HW-03A16. Table 1-1 summarizes the SWMUs that were included in the RFIs.

Phase I and Phase II RFIs were performed at SWMUs 1&3, 4, 5, 8, 13A, 13B, 15, 16, 17A, 17B, 18, 20, 21, 23, 24, 25, 27, 28, and 29 between 2007 and 2010 to investigate whether there was a release from any of these SWMUs. Data collected from the investigation activities are summarized in the following sections. More specific information was provided in the Phase I Corrective Action RFI Work Plan (DuPont 2006), the Phase I RFI Data Summary Report (DuPont 2009); and the Phase II RFI Data Summary Report (Parsons 2011).

### 1.3.1 Phase I Investigation (2007 – 2008)

#### ***SWMU-Specific Soil Investigation***

Seventy-four soil borings were advanced at 15 of the SWMUs (SWMUs 1&3, 4, 5, 8, 13A, 15, 16, 17A, 18, 20, 21, 23, 24, 27, and 28). A total of 135 soil samples were collected from these soil borings and analyzed for one or more of the following constituents: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), dioxins, furans, cyanide, total petroleum hydrocarbons (TPH), and total organic carbon (TOC).

#### ***Sitewide Groundwater Investigation***

Twenty-three monitoring wells (MW-11 through MW-22) were installed at the Site during the Phase I RFI to evaluate groundwater on a sitewide, process-area, and perimeter basis. These included 11 shallow and 12 deep monitoring wells constructed in 12 nested clusters. A shallow well was not installed at location MW-11S because no shallow water bearing zone was encountered at this location.

All site monitoring wells were sampled in May and August 2007 as part of the Phase I RFI. These included MW-01 through MW-10, which monitor the closed surface impoundment area under DNREC Consent Order C.A. 01C-10-288 CHT. Groundwater samples were analyzed for VOCs, SVOCs, metals, PCBs, dioxins and furans.

The Phase I investigation analytical results indicated that no further action was necessary for SWMUs 8, 15, 17A, 21, and 24. The remaining SWMUs were carried into the Phase II RFI. The Phase I RFI report (DuPont 2009) provides additional details on this investigation.

### 1.3.2 Phase II Investigation (2010)

#### ***SWMU-Specific Soil Investigation***

A total of 58 soil borings were advanced at nine SWMUs (SWMUs 1&3, 4, 5, 13B, 17B [9&A], 20, 23, and 25), from which 84 soil samples were collected. The samples were analyzed for one or more of the following constituents: VOCs, SVOCs, metals, PCBs, dioxins, furans, TPH, pH, and TOC.

Twelve additional shallow soil samples were collected from SWMU 29 (Southland Tank) and analyzed in the field using a LaMotte Tracer Pocketester™ to conduct real-time pH analyses. Since all field results were above a pH of 2, there was no indication of a release from Southland Tank to the surface soils had occurred and no soil samples from SWMU 29 were submitted to an outside laboratory for analytical testing.

Shallow and deep monitoring well cluster MW-18 and monitoring well TMW-03 were abandoned in July 2010 and August 2010, respectively.

All soil investigation work was completed in accordance with the December 2009 Phase II RFI Sampling and Analysis Plan approved by DNREC on April 15, 2010.

#### ***Sitewide Groundwater Investigation***

Groundwater sampling events were conducted in May and August 2010. Fourteen wells were sampled during the groundwater investigations, including seven shallow wells (MW-16S, MW-17S, MW-19S, MW-20S, MW-21S, MW-22S, and MW-23) and seven deep wells (MW-12D, MW-16D, MW-17D, MW-19D, MW-20D, MW-21D, and MW-22D).

An attempt was made to sample monitoring well MW-12S during each event, but the monitoring well was dry, and no groundwater sample could be collected. In addition, shallow monitoring well MW-23 was installed on May 4, 2010, at the northern end of SWMU 5, to assess groundwater quality in the southern portion of the Site adjacent to the Delaware River and outside the SWMU 5 footprint. MW-23 was included in the May and August 2010 groundwater sampling events.

The groundwater samples were analyzed for metals, PCBs, dioxins, furans, and water quality parameters. Groundwater samples collected from MW-23 were also analyzed for VOCs and SVOCs because the well was newly installed.

Phase II results indicated that no further action was necessary for SWMUs 17B (6,7,8,I,J,K,&L [underground storage tanks]), 28, and 29. More specific information can be found in the Phase II RFI Data Summary Report (Parsons 2011).

All groundwater investigation work was completed in accordance with the December 2009 Phase II RFI Sampling and Analysis Plan approved on April 15, 2010.

## 1.4 Risk Analysis Purpose and Scope

The purpose of this site-specific RA is to evaluate the potential risks associated with potential exposure to site-related constituents in soil and groundwater at the DuPont Edge Moor Site. This RA addresses both potential human health risks associated with current and future exposures to constituents of potential concern (COPCs) that exceeded the screening criteria in environmental media identified in the Phase I and II investigations (DuPont 2009, Parsons 2011) and the potential impact to ecological receptors in the Delaware River.

The Human Health RA was conducted in accordance with the following methods and assumptions prescribed by the United States Environmental Protection Agency (USEPA) and the DNREC:

- Risk Assessment Guidance for Superfund (RAGS), Volume 1, Human Health Evaluation Manual (Part A), interim final (USEPA 1989)
- RAGS, Volume 1, Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors (USEPA 1991a)
- Role of the Baseline Risk Assessment in Superfund Remedy Selection Decisions (USEPA 1991b)
- Guidance for Data Usability in Risk Assessment (Part A) (USEPA 1992)
- Soil Screening Guidance: Technical Background Document (USEPA 1996)
- Exposure Factors Handbook (USEPA 1997)
- Guidance for Comparing Background and Chemical Concentrations in Soil for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Sites (USEPA 2002b)
- Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites (USEPA 2002c)
- Calculating upper confidence limits for exposure point concentrations at hazardous waste sites (USEPA 2002a)

- RAGS, Volume I, Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment (USEPA 2004)
- On the computation of a 95 percent upper confidence limit of the unknown population mean based upon data sets with below detection limit observations (USEPA 2006)
- RAGS. Volume I: Human health evaluation manual. Part F, Supplemental Guidance for Inhalation Risk Assessment (USEPA 2009b)
- Technical and user guide to ProUCL v4.1.00 (USEPA 2011)
- Risk Assessment Information System (RAIS) Chemical Calculator (Oak Ridge National Laboratory [ORNL] 2012) <http://rais.ornl.gov/>
- Remediation Standards Guidance under the Delaware Hazardous Substance Cleanup Act (DNREC 1999)

The human health risk calculation was performed using the risk calculator available through the RAIS.

## 1.5 Technical Approach Overview

The human health RA (HHRA) was performed using a four-step procedure including data evaluation, exposure assessment, toxicity assessment, and risk characterization, each of which are summarized below.

Based on the Facility-Wide Corrective Action Plan (DuPont 2003) and Phase I and II RFI results, SWMUs 1&3, 4, 5, 13A, 13B, 16, 17B (9&A), 18, 20, 23, 25, and 27 were evaluated in the RA. The other SWMUs were not evaluated because they either have a no further action status (SWMUs 8, 15, 17A, 17B (6, 7, 8, I, J, K, & L), 21, 24, 28, and 29) or they were determined not to be listed in the Corrective Action Order (SWMUs 2, 6, 7A, 7B, 9, 10, 11, 12, 14, 17, 19, 22, and 26). Groundwater was evaluated on a sitewide basis.

Section 2.1 describes the data from previous site investigations that were used in the data evaluation step. Data were also screened to identify the COPCs that were evaluated in the subsequent steps.

The exposure assessment evaluates the release source identified from the RFI reports and the nature of past constituent releases identified from the data evaluation, potential exposure pathways, potential receptors, and exposure scenarios, and involved preparation of a conceptual site model (CSM) for SWMUs with the COPCs identified. The CSM is used in determining which potential exposure pathways to evaluate by identifying the potentially complete exposure pathways for both current and future human receptors.

The toxicity assessment and risk characterization were performed for the COPCs identified during the data evaluation step. Available toxicity data were researched concurrently with the exposure assessment. Where toxicity data were available, cancer risk estimates and noncancer hazard estimates were developed for each COPC for each complete exposure pathway. Risk/hazard estimates were summed for each pathway and receptor to determine the cumulative potential risk to a potential receptor exposed to site-related contamination. After this risk characterization step, an evaluation of the uncertainties associated with steps 1 through 4 was performed, including a qualitative description of the inherent and site-specific uncertainties in the HHRA. The uncertainty

evaluation also discusses the potential effects on the risk estimates. That is, the risks may be over- or underestimated, depending on the uncertainties in the HHRA.

An ecological CSM was developed to identify the potentially complete ecological pathways for ecological receptors (Section 3.1). Based on the completed pathways identified in development of the ecological CSM, an ecological screening evaluation was conducted by comparing the groundwater concentrations detected in the shallow perimeter wells adjacent to the Delaware River with the applicable surface water screening levels for ecological receptors, adjusted with a groundwater to surface water attenuation factor (or surface water protection factor, SWPF). An uncertainty evaluation was also performed for the ecological screening evaluation and is included in the uncertainty analysis section.

## 1.6 Report Organization

In addition to this introductory section, the RA consists of the following six sections.

- Section 2: Data Review and Identification of Constituents of Potential Concern – This section presents the results of the data evaluation, summarizes the results of the statistical calculations (including the background comparisons) and identifies the COPCs that are further evaluated in the subsequent steps of the HHRA.
- Section 3: Exposure Assessment – This section presents the CSM and identifies the complete exposure pathways to be evaluated for the Site.
- Section 4: Toxicity Assessment – This section presents the toxicity assessment.
- Section 5: Risk Characterization – This section provides the methodology used to characterize potential human health risks, including a qualitative analysis of the uncertainties in the HHRA process.
- Section 6: Ecological Screening Evaluation – This section presents the ecological CSM and the screening risk evaluation for the ecological receptors identified for the Site.
- Section 7: Uncertainty Analysis – This section presents the uncertainties associated with the RA, identifies the inputs that could affect the results of the RA, and discusses the effects of the uncertainties on the outcome of the RA.
- Section 8: Conclusions – This section presents the conclusions of the HHRA and the ecological screening evaluation.
- Section 9: References – This section lists the documents cited in the text.



## 2.0 DATA REVIEW AND IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

### 2.1 Analytical Data Used in the Human Health Risk Analysis (HHRA)

Soil and groundwater media were evaluated for the Site HHRA. Specifically, soil samples collected from 12 SWMUs during the Phase I and II investigations (Section 1.3) were evaluated on SWMU-by-SWMU basis to identify and screen COPCs. Groundwater quality data included samples taken from all shallow groundwater monitoring wells during 2009 and 2010. Groundwater data collected from the deep monitoring wells were not considered because there are no potential exposures to the deep groundwater for the receptors identified at the Site.

Analytical results were validated using the DuPont Analytical Data Quality Management (ADQM) system, and the non-rejected data were used for the HHRA. Analytical data for soil and groundwater evaluated in the HHRA were obtained from the DuPont Envista Corporate Environmental Database (Envista). The data for samples used for each media are summarized in Appendix A. The soil sampling locations are shown in Figures 3A and 3B. The monitoring well locations are shown in Figure 4.

### 2.2 Selection of COPCs

COPCs were considered to be those analytes detected at concentrations above the higher of (1) screening values specific to anticipated land use (discussed in Section 2.2.1) or (2) background concentrations as available for the area (discussed in Section 2.2.2). Essential nutrients detected in the different media were removed from further consideration. These include calcium, chloride, iodine, magnesium, phosphorus, potassium, and sodium (USEPA 1989).

#### 2.2.1 Selection of Screening Levels

As discussed in Section 3.3, the following receptors were identified for evaluation in this HHRA: on-site industrial worker, on-site construction worker, and off-site recreational user. Appropriate screening levels were then used to identify COPCs in each media for each of these receptors by comparing them to detected concentrations. USEPA industrial soil regional screening levels (RSLs) (USEPA 2013) were used for screening of all soil pathways to assess the risk to on-site industrial workers. The RAIS chemical calculator was used to calculate preliminary remedial goals when RSLs are not available. RAIS chemical calculator was used to calculate screening levels for carbazole and vanadium using the USEPA target risk level of  $1 \times 10^{-6}$  and hazard index (HI) of 1 for an outdoor industrial worker. Industrial screening levels were used because Site use is currently industrial and is likely to remain industrial for the foreseeable future.

RSLs are not available for acenaphthylene, benzo(g,h,i)perylene, phenanthrene, and titanium. Surrogate constituents were therefore used as follows: acenaphthene for acenaphthylene, chrysene for benzo(g,h,i)perylene, anthracene for phenanthrene, and titanium tetrachloride for titanium.

Although interior groundwater is not used as a potable water source and no groundwater screening levels are applicable, maximum contaminant levels (MCLs) were used as the screening criteria as a conservative approach for the groundwater assessment of on-site construction workers. USEPA tap water RSLs were used when MCLs were not available.

Risk-based screening concentrations (RBSC) were calculated for an off-site recreational user for potential dermal absorption and incidental ingestion of surface water. The RBSCs are concentrations that have been “back-calculated” based on a target cancer risk of  $1 \times 10^{-6}$  and target HI of 1. The RBSCs were adjusted by an SWPF and compared to groundwater concentrations from 13 shallow perimeter wells (MW-1 through MW-7, MW-18S, MW-19S, MW-20S, MW-21S, MW-22S and MW-23) located within the Site and along the banks of the river. These shallow perimeter wells are hydraulically connected to the river.

DuPont first presented the concept of the SWPF to DNREC in Section 4.6 (Groundwater to Surface Water Discharge) of the Remedial Investigation and Risk Assessment Report Addendum (DuPont 2008). In this document, the SWPF was calculated by dividing the Shellpot Creek surface water flow by the discharge through the water bearing zone.

This same approach was used in Section 4.0 (Data Evaluation) of Addendum 1 to the Post-Closure Care Plan (Parsons 2010). The SWPF method was applied to develop the screening levels.

For this risk assessment, the SWPF is the ratio of surface water flow (Delaware River) to total groundwater flux to the Delaware River of 0.085 cubic feet per second (cfs). Surface water flow past the Site was obtained by summing the flow measured at the nearest upstream Delaware River U. S. Geological Survey (USGS) gage with the flow measured on the Schuylkill River (which enters the Delaware River upstream of the Site). Delaware surface water quality standards (DNREC 2011) identify critical flows to be used when developing adjusted screening levels, as detailed in Table 2-1.

Delaware River flow rates past the Site are provided on Table 2-2. Parsons calculated these rates based on the 30-year period of record from January 1, 1980, through December 31, 2009 (Parsons 2010).

Based on the Delaware River harmonic mean flow of 8275 cfs and 30Q5 flow of 3217 cfs, the calculated SWPFs for human health carcinogens and human health systemic toxicants are 97,353 ( $8275/0.085$ ) cfs and 37,847 ( $3217/0.085$ ) cfs, respectively. These flow rate values and calculations are identical to the ones applied in the approved Post-Closure Care Plan – Addendum 1 for the Closed Surface Impoundments (Parsons, 2010). Ambient water quality criteria issued by DNREC, DRBC, and USEPA do not explicitly consider direct contact with surface water during recreational activities, such as swimming or boating. Thus, risk-based surface water concentrations based on the protection of human health during swimming or boating were also calculated. In these calculations, risk-based concentrations were developed assuming three hours of swimming or boating a day, one day a week, three months a year, for 30 years. USEPA toxicity values were used along with a non-cancer hazard quotient (HQ) target of 1.0 and a lifetime cancer risk target of  $1 \times 10^{-6}$ . Dermal contact and incidental ingestion routes of exposure to surface water while swimming were included in the calculation. The methodology used in the evaluation of direct contact during recreational activities was used in the Remedial Investigation and Risk Assessment Report Addendum for the Hay Road Sludge Drying Site (DuPont 2008) and accepted by DNREC. The calculation of surface water screening criteria for the off-site recreational user is summarized in Table 2-3. Table 2-3 also includes the conservative exposure factors and toxicity values used for the calculations.

## 2.2.2 Selection of Background Concentrations

The DNREC default background level for arsenic (11 milligrams per kilogram [mg/kg]) (DNREC 2007) was used as the screening level for arsenic in soil. Background concentrations are not available for groundwater.

## 2.2.3 Identification of COPCs

COPCs for each media were identified by comparing the detected concentration to the appropriate screening level. Exceedances of screening levels indicate potential concerns for human exposure and are further addressed in the risk analysis. Chemicals were eliminated as COPCs if the maximum detected concentration was less than the screening level. The implications of detected constituents without screening levels are discussed in the uncertainty analysis section of the HHRA.

The COPCs identified during the screening process (grouped by media) are described below.

### *Soil*

Tables 2-4 and 2-5 summarize the detected constituents and concentrations in surface and subsurface soil. The maximum detected concentrations were compared to the soil screening criteria to determine soil COPCs. Table 2-4 shows that the COPCs in surface soil include benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and PCB 126. Table 2-5 shows that the COPCs in subsurface soil include total petroleum hydrocarbons (oil range organics [ORO] >C28 - C35), benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, hexachlorobenzene, total PCB, arsenic, copper, and lead. COPCs were identified in SWMUs 1&3, 4, 5, 18, 20, 23, and 27. The specific COPCs identified for these SWMUs are listed below.

- SWMUs 1&3 – Wastewater Treatment System. The SWMU is located in the eastern portion of the Site adjacent to the river and contains:
  - Benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene and copper - The PAH exceedances are localized to S01SB11 and S01SB06 (only benzo(a)pyrene) in the surface soil samples. The elevated copper exceedance was only detected in one subsurface soil sample located adjacent to SWMU 21 (Copper-Vanadium Sludge Pad).
- SWMU 4 – Former Trash Landfill. The SWMU is located near the southern boundary of the Site, west of SWMU 5, and contains:
  - Benzo(a)pyrene in one surface soil sample
- SWMU 5 – Waste Settling Area. The SWMU is located in the southeastern corner of the Site adjacent to the river and contains:
  - Benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, and PCB 126 in surface soil; and
  - Benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, hexachlorobenzene, total PCBs, and lead in subsurface soil

- SWMU 18 – Iron Rich Staging Area. The SWMU is located in the western portion of the Site and contains:
  - Benzo(a)pyrene in surface soil - The exceedance of benzo(a)pyrene was only detected in one surface soil sample
- SWMU 20 – Former Above-Ground Oil Storage Tanks. The SWMU is located south of SWMUs 1&3, adjacent to the river, and contains:
  - ORO>C18-C35 in subsurface soil - Fuel-oil related constituents were below the industrial screening levels except for ORO>C28-C35 in one subsurface soil sample (S20SB06 at 8 to 10 feet bgs).
- SWMU 23 – Recovered Ore Storage. The SWMU is located in the western portion of the Site and contains:
  - Total PCB and arsenic in subsurface soil, with one PCB and one arsenic exceedance. The arsenic exceedance is slightly above the background level of 11 mg/kg.
- SWMU 27 – Fuel-Oil Stained Soil. The SWMU is located in the central portion of the Site, west of SWMUs 1&3, and contains:
  - Benzo(a)pyrene in subsurface soil - Fuel-oil related constituents were below the industrial screening levels except for benzo(a)pyrene in one surface soil sample at a concentration comparable to an urban background level.

The soil analytical data collected from each of these SWMUs are summarized in Appendix B.

The Phase II data summary report identified five additional SWMUs (13A, 13B, 16, 17B, and 25) to be evaluated in the risk analysis due to concentrations detected in soil that exceeded the soil screening levels for groundwater protection in these SWMUs. Data collected from these SWMUs are provided in Appendix B. Soil-to-groundwater protection screening was not performed for these SWMUs in this risk analysis. The soil-to-drinking-groundwater protection screening levels used in the Phase II were not applicable for the Site for the following reasons:

- Groundwater is not used as a potable water source
- Groundwater in the interior wells is not hydraulically connected throughout the Site

Based on the applicable soil screening comparisons presented in this section, there were no detections exceeding soil screening criteria for SWMUs 13A, 13B, 16, 17B, and 25. Consequently, these SWMUs were not evaluated further in this risk analysis.

### **Groundwater**

Table 2-6 summarizes the detected constituents and concentrations in shallow interior sitewide groundwater. The maximum detected concentrations in recent groundwater results were compared to the groundwater screening criteria to determine shallow groundwater COPCs for on-site construction workers. The COPCs identified in shallow groundwater include cobalt, iron, manganese, and thallium. Table 2-7 summarizes the detected constituents and concentrations in shallow perimeter groundwater wells that could potentially migrate to the adjacent surface water.

### 3.0 EXPOSURE ASSESSMENT

The objective of the exposure assessment is to estimate the type and magnitude of potential exposures to COPCs at the Site. The exposure assessment included identification of potential exposure pathways, receptors, and exposure scenarios, as well as exposure quantification. Following USEPA (1989) guidance, exposure assessment was accomplished in a three-step process involving characterization of the exposure setting, identification of exposure pathways, and quantification of exposure. Completion of these three steps involved developing a CSM, estimating exposure point concentrations (EPCs), determining exposure assumptions, and quantitatively estimating exposure. The elements of the human health and ecological exposure assessment are described in the following sections.

#### 3.1 Conceptual Site Model

A CSM is a representation of known or suspected contaminant sources, contaminant migration pathways, exposure mechanisms, and potential human and ecological receptors at a specific site. The goal is to determine complete pathways to receptors and assess whether the complete pathways pose risks. Existing or potential future risks can then be addressed. All SWMUs with identified COPCs were further evaluated in SWMU-specific CSMs for SWMUs 1&3, 4, 5, 18, 20, 23, and 27. These SWMU-specific CSMs are presented in Figures 5 through 11 and are discussed further in subsequent sections of this report. Figure 12 presents the ecological site conceptual model.

#### 3.2 Sources, Release Mechanisms, and Affected Media

Industrial activities (TiO<sub>2</sub> production) have taken place at the Edge Moor facility since the early 1930s. The primary constituents release mechanisms at the Site are from chemicals released to surface soils. The impacted soil may migrate to groundwater via leaching and migrate to surface water via surface runoff. Therefore, these releases may have resulted in secondary impacts to subsurface soil and groundwater at the Site as well as surface water and sediment adjacent to the Site. There is also a potential for airborne transport of particulates to downwind locations through wind erosion and physical disturbance of surface soils. Potential sources are summarized in the table below.

SWMU	Potential Site-Related Source (s)	Depth to Groundwater
SWMUs 1&3	Wastewater treatment system	Less than 12 feet
SWMU 4	Former trash landfill	Less than 12 feet
SWMU 5	Waste settling area	
SWMU 18	Iron rich staging area	Less than 12 feet
SWMU 20	Former aboveground storage tanks	Less than 12 feet
SWMU 23	Recovered ore storage area	Less than 12 feet
SWMU 27	Fuel oil-stained soil	Less than 12 feet

The groundwater in the perimeter areas along the river migrates to surface water. The groundwater in the interior wells are isolated and not connected to the perimeter wells.

### 3.3 Evaluation of Exposure Pathways

An exposure pathway evaluation describes how a receptor could be exposed to COPCs at, or migrating from, a SWMU and/or the site. A potentially complete exposure pathway consists of four necessary elements:

- A source and mechanism of chemical release
- An environmental transport medium
- A point of potential contact with a receptor
- A feasible route of exposure at the exposure point

Consistent with RAGS (USEPA 1989), current and future land-use scenarios were considered for the Site. The facility currently manufactures  $TiO_2$  used for the paper and paint industry, as well as  $TiCl_4$  and  $FeCl_3$ . The current and future anticipated land use at the Site is industrial.

Potential human receptors for the DuPont Edge Moor Site include current and future on-site industrial workers, construction/excavation workers, and off-site recreational users. Site receptors are expected to be limited to adults, with the exception of possible adolescent recreational users. Receptors at the Site may be exposed to surface soil through incidental ingestion, dermal contact, inhalation of soil particulates, and inhalation of ambient air (indoor and outdoor). Construction workers could also be exposed to subsurface soil and shallow groundwater during excavation activities, through incidental ingestion, dermal contact, and inhalation of soil-derived particulates and vapors. Additionally, recreational users could be exposed to the adjacent Delaware River surface water through incidental ingestion and dermal contact. The exposure pathway evaluation for human receptors is discussed in the following subsections.

#### 3.3.1 Exposure Pathway Evaluation – On-Site Human Receptors

The identified on-site receptors include on-site industrial workers and construction workers. The potential complete exposure pathways for the identified on-site human receptor(s) in each SWMU are depicted in Figures 5 through 12 and further described below.

##### ***On-site industrial workers***

- Incidental ingestion and dermal contact with surface soil (0 to 2 feet below ground surface [bgs])
- Inhalation of soil-derived particulates and vapors

##### ***On-site construction workers***

- Incidental ingestion and dermal contact with mixed soil including surface soil (0 to 2 feet bgs) and subsurface soil (2 feet to water table)
- Inhalation of soil-derived particulates and vapors
- Incidental ingestion and dermal contact with shallow (approximately 7 to 8 feet bgs) on-site groundwater near SWMUs 4, 18 and 23

Pathways that were considered and determined to be incomplete are also identified in Figures 5 through 12. The illustrated exposure pathways were considered incomplete due to lack of migration, lack of media, or lack of exposure to a medium. The depth to

groundwater at the Site can be as shallow as approximately 7 feet bgs. Although groundwater may be shallow in some areas of the Site, the potential for any human receptors, except the construction worker, to be exposed to shallow groundwater is unlikely. Therefore, the groundwater exposure pathways were considered incomplete for industrial workers. For shallow groundwater near SWMUs 1&3, 5 and 7, the groundwater exposure pathways were considered incomplete for construction workers because the depth to shallow groundwater near these SWMUs is approximately 12 feet, which is deeper than the anticipated depth for normal construction activities.

### **3.3.2 Evaluation of Exposure Pathways – Off-Site Human Receptors**

The adjacent Delaware River is hydraulically connected to shallow groundwater in the vicinity of the perimeter of the Site. Therefore, off-site recreational users could possibly be exposed to site constituents during recreational activities in the River. Therefore, incidental ingestion and dermal contact with surface water were considered complete for off-site recreational users. The potentially complete exposure pathway for off-site recreational users includes incidental ingestion and dermal contact with surface water during recreational activities.

The fish ingestion pathway is incomplete because there are fish consumption advisories for the Delaware River near the Site (DNREC 2012). Incidental ingestion and dermal contact with Delaware River sediments pathways are incomplete because the recreation users are primarily boaters. There are no boat drop-off locations along the shoreline adjacent to the Site.

## **3.4 Soil-to-Groundwater Leaching Pathway Evaluation**

The soil-to-groundwater leaching pathway was not evaluated using generic soil screening values for groundwater protection. Instead, the potential risk associated with exposure to groundwater was evaluated based on groundwater analytical results.

## **3.5 Estimation of Exposure Point Concentrations**

EPCs are the concentrations of constituents in a given medium to which a receptor may be exposed at a specific location known as the "exposure point." EPCs were estimated to represent the reasonable maximum exposure (RME) that might occur at the Site. EPCs for soil were calculated as the 95% upper confidence limit (UCL) on the mean or the maximum detected concentration, whichever was lower (USEPA 1989). The EPCs for groundwater are the maximum groundwater concentrations from the most recent groundwater sampling event. The 95% UCL was calculated using parametric methods (for a normal or lognormal distribution) or nonparametric methods if data were not normally or lognormally distributed (USEPA 2002a). Data distribution was tested using the Shapiro-Wilk test of normality prior to calculating the 95% UCL. All 95% UCLs were calculated using the latest version of the USEPA ProUCL software (v. 4.1.01) (USEPA 2011). The 95% UCL calculations are presented in Appendix B. Table 3-1 shows the EPC values for soil in SWMUs with COPCs, and Table 3-2 shows the EPC values for shallow groundwater from the interior wells.

## **3.6 Estimation of Human Intake**

RME estimates were used in this HHRA as a conservative approach. The RME is designed to be a measure of "high-end" exposure and is the maximum exposure reasonably expected to occur in a population. This approach is intended to account for

both uncertainty in the contaminant concentration and variability in the exposure parameters (such as exposure frequency or averaging time). A central tendency (CT) exposure scenario was also evaluated for constituents that may pose potential risk under the RME scenario to estimate the risk under a more likely exposure scenario for the site.

Chronic daily intake, expressed as milligrams of chemical per kilogram of body weight per day (mg/kg-day), was obtained by multiplying the EPC by the exposure factors specific to an exposure scenario. The resultant intake was combined with a carcinogenic slope factor (SF), or compared to a noncarcinogenic reference dose, to derive the carcinogenic risks and noncarcinogenic hazards associated with potential exposures from the Site.

The following general equation was used to quantify exposure to potential receptors:

$$\text{Intake} = \frac{(C)(CR)(EF)(ED)}{(BW)(AT)}$$

Where:

- C = Chemical concentration in medium (mg/kg or mg/l for inorganic and  $\mu\text{g}/\text{kg}$  or  $\mu\text{g}/\text{L}$  for organic)
- CR = Contact rate as amount/unit time (e.g., mg/day and milliliters [mL]/hour)
- EF = Exposure frequency (days/year)
- ED = Exposure duration (years)
- BW = Body weight (kilogram [kg])
- AT = Averaging time (days – equal to ED for noncarcinogens and 70 years for carcinogens x 365 days/year)

In accordance with USEPA guidance (1989), human intake for carcinogens is calculated differently from those for noncarcinogens. For carcinogens, human intake is averaged over an assumed lifetime of 70 years. This is appropriate because cancer is considered to be a non-threshold phenomenon, and multiple individual chemical exposures that could result in the development of cancer are accrued over a lifetime. The probability of developing cancer is believed to be proportional to the duration and intensity of exposure. That is to say, the probability of developing cancer is proportional to the dose of chemical absorbed into the body, the frequency of exposure, and the length of exposure. Age-adjusted factors are used for cancer assessments to account for the periods of an individual's life spent as a child and as an adult. The age-adjusted factor ( $\text{Factor}_{\text{adj}}$ ) replaces the CR, ED, and BW in all cancer assessments for which a portion of the exposure would be expected to occur as a child and a portion as an adult. For this HHRA, it is noted that child receptors are not anticipated to be present on-site. The trespasser scenario includes an adolescent receptor assumed to be intermittently exposed between the ages of 10 and 18 (eight years). This factor was calculated as follows:

$$\text{Factor} = \frac{(ED_c)(CR_c) + (ED_{\text{total}} - ED_c)(CR_a)}{(BW_c) \quad (BW_a)}$$

Where:

- ED = Child/adolescent exposure duration (years)



- CR = Child/adolescent contact rate (amount/unit time)  
 ED<sub>Total</sub> = Total exposure duration of both adult and child/adolescent  
 CR<sub>a</sub> = Adult contact rate (amount/unit time)  
 BW<sub>c</sub> = Child/adolescent body weight (kg)  
 BW<sub>a</sub> = Adult body weight (kg)

For noncarcinogens, the intake is averaged only over the duration of exposure. This reflects the assumption that noncarcinogenic effects have a toxicity threshold. Adverse health effects could result if the toxicity threshold were exceeded for a period of time corresponding to the exposure duration. Conversely, intake of a chemical below the toxicity threshold for a period of time corresponding to the exposure duration would not be expected to result in adverse health effects in the receptor.

These values were used to calculate pathway-specific intake factors for the complete site exposure pathways identified in Section 3.2. Where appropriate, site-specific information was used to develop reasonable, yet conservative, exposure factors. When site-specific information or default values were not available, best professional judgment was used to develop exposure parameters.

The **soil intake factor**, in kg soil/kg-day, was estimated as follows:

$$\text{Ingestion} = \frac{(C_s)(IRS)(EF)(ED)(CF_s)(FC)}{(AT)(BW)}$$

$$\text{Dermal Absorption} = \frac{(C_s)(AB)(SA)(AF)(EF)(ED)(CF_s)(FC)}{(AT)(BW)}$$

$$\text{Inhalation} = \frac{C_{\text{air}} \times EF \times ED \times ET \times URF \times CF}{AT \times 365 \text{ days/year}}$$

The groundwater and surface water intake factors, in liters (L) water/kg BW-day, were estimated as follows:

$$\text{Ingestion} = \frac{(C_w)(IW)(EF)(ET)(ED)(CF_w)}{(AT)(BW)}$$

$$\text{Dermal Absorption}_w = \frac{(C_w)(SA)(PC)(ET)(EF)(ED)(CF_w)}{(AT)(BW)}$$

Where:

- AB = Dermal Absorption Fraction (unitless)  
 AF = Dermal Adherence Factor, soil (milligrams per square centimeter [mg/cm<sup>2</sup>])  
 AT = Averaging Time (days)  
 BW = Body weight (kg)  
 C<sub>a</sub> = Contaminant concentration in air (micrograms per cubic meter [µg/m<sup>3</sup>])

$C_s$	=	Contaminant concentration in soil (mg/kg)
$C_w$	=	Contaminant concentration in water ( $\mu\text{g/L}$ )
$CF_s$	=	Conversion Factor, soil (kg/mg)
$CF_w$	=	Conversion Factor, water (liter per milliliter [L/mL] or L/cubic centimeter)
ED	=	Exposure Duration (years)
EF	=	Exposure Frequency (days/year)
ET	=	Exposure Time (hours/day)
FC	=	Fraction Contacted
IN	=	Inhalation Rate, air ( $\text{m}^3/\text{hour}$ )
IRS	=	Ingestion Rate, soil (mg/day)
IW	=	Ingestion Rate, groundwater (mL/hour)
PC	=	Permeability constant (cm/hour)
SA	=	Skin Surface Area ( $\text{cm}^2$ )

Table 3-3 provides the proposed exposure parameters, justification for the proposed parameter values, and source of each value for exposure pathway evaluations.

## 4.0 TOXICITY ASSESSMENT

The third step of the HHRA is the toxicity assessment. The objective of the toxicity assessment is to weigh available evidence regarding the potential for particular chemicals to cause adverse effects in exposed individuals and to provide, where possible, an estimate of the relationship between the extent of exposure to a chemical and the increased possibility and/or severity of adverse effects. The types of toxicity values used in risk analysis include oral reference doses (RfDs), inhalation reference concentrations (RfCs), and oral SFs. SFs are used to evaluate carcinogenic effects. RfDs and RfCs are used to evaluate noncarcinogenic effects.

### 4.1 Toxicity Values for Carcinogenic Effects

The SF is the toxicity value used to estimate the lifetime excess cancer risk associated with oral (i.e., ingestion) and dermal exposure to a known or suspected carcinogen (assuming a 70-year average life span). SFs are derived for those chemicals shown to cause an increased incidence of tumors in either human or animal studies. A dose-response relationship between tumor incidence and exposure using human epidemiologic or animal studies is used to derive the SF. This dose-response curve is then assumed to be linear at low doses (e.g., those found in situations of environmental contamination) and is used to predict tumor incidence at low exposure levels.

In this HHRA, chemical-specific SFs for the identified COPCs were used to evaluate potential carcinogenic risk due to incidental ingestion of soil and dermal exposure to individual COPCs in soil. The SF is reported in terms of risk (mg/kg-day)<sup>-1</sup>.

SFs were obtained from the following hierarchy of primary sources:

- USEPA Integrated Risk Information System (IRIS) (2012)
- USEPA Provisional Peer Reviewed Toxicity Values
- Office of Environmental Health Hazard Assessment (OEHHA) (2012) Toxicity Criteria Database
- USEPA Health Effects Summary Tables (HEAST 1997)

The SFs for the COPCs used in this evaluation are shown in Table 4-1.

### 4.2 Toxicity Values for Noncarcinogenic Effects

For chemicals that exhibit noncarcinogenic effects, the USEPA assumes that organisms have repair and detoxification capabilities that must be exceeded by some critical concentration (threshold) before a health effect is manifested. This threshold theory assumes the receptor can tolerate a range of exposures from zero to some finite value with no appreciable risk of adverse effects.

Toxicity values for chemicals exhibiting noncarcinogenic effects are developed using RfDs. The RfD provides an estimate of an average daily exposure to an individual (including sensitive individuals) below which there will not be an appreciable risk of adverse health effects. The RfD is derived using uncertainty factors (e.g., to adjust from animals to humans and to protect sensitive populations) to ensure it is unlikely to underestimate the potential for adverse noncarcinogenic effects. The purpose of the RfD is to provide a value against which the sum of other doses (i.e., those projected from human exposure to various environmental conditions) is compared. Doses significantly higher than the RfD may indicate that an inadequate margin of safety exists

for exposure to that substance and that an adverse health effect could occur. The RfD is expressed in terms of mg/kg-day. In addition, chemical specific RfCs (inhalation reference concentration) were used to evaluate the potential noncarcinogenic effects due to inhalation of COPCs. The RfC is reported in terms milligrams per cubic meter (mg/m<sup>3</sup>).

RfDs and RfCs were obtained from the following hierarchy of primary sources:

- USEPA IRIS (2012)
- USEPA Provisional Peer Reviewed Toxicity Values
- Agency for Toxic Substances and Disease Registry's Minimal Risk Levels (2012)
- OEHHA Toxicity Criteria Database (2012)
- USEPA HEAST (1997)

The RfDs and RfCs used in this evaluation are shown in Table 4-1.

### 4.3 Dermal Toxicity Values

Oral toxicity values were also used to assess risks and/or hazards associated with the incidental dermal contact exposure pathway (USEPA 2004). Oral toxicity values reflect administered-dose values, which represent concentrations protective of ingestion. The dermal exposure route, however, evaluates the toxicity of concentrations of chemicals in the blood (absorbed dose). Therefore, the absorbed-dose concentrations identified for dermal exposure must be compared to toxicity values adjusted for gastrointestinal absorption (USEPA 2004). Oral toxicity values were adjusted for gastrointestinal absorption by applying oral absorption factors to administered-dose toxicity values.

Oral SFs and/or RfDs were adjusted to estimate dermal toxicity values when the following conditions were met (USEPA 2004):

- The critical study upon which the toxicity value is based employed an administered dose (e.g., delivery in diet or by gavage) in its study design.
- A scientifically defensible database exists that demonstrates that the gastrointestinal absorption of the chemical from a medium (e.g., water and feed) similar to the one employed in the critical study is less than 100 percent.
- Oral absorption factors are available from either USEPA (2004) or scientific literature.

The oral absorption factors used in this HHRA are shown in Table 4-1.

## 5.0 RISK CHARACTERIZATION

To characterize potential carcinogenic effects, the incremental probability of an individual developing cancer over a lifetime was calculated from projected intakes and chemical-specific carcinogenic potency factors. To characterize potential noncarcinogenic effects, comparisons were made between projected intakes of substances and RfDs or RfCs.

Both a cancer risk and an HQ estimate (for non-cancer risk) were calculated for each COPC that had available toxicity values. The carcinogenic and noncarcinogenic results and risk summaries by pathway and receptor for current and future receptors exposed to site media are presented below.

### 5.1.1 Carcinogenic Effects

Carcinogenic risk is expressed as an increased probability of developing cancer as a result of lifetime exposure. For a given chemical and route of exposure, carcinogenic risk is calculated as follows:

$$\begin{aligned}\text{Oral Risk} &= \text{Oral intake} \times \text{oral SF} \\ \text{Inhalation Risk} &= \text{Inhalation intake} \times \text{inhalation unit risk factor} \\ \text{Dermal Risk} &= \text{Dermal intake} \times \text{oral SF (adjusted based on absorbed} \\ &\quad \text{dose, as noted above)}\end{aligned}$$

For simultaneous exposure to several carcinogens, USEPA assumes that risks are additive. That is to say:

$$\text{Risk}_T = \text{Risk}_1 + \text{Risk}_2 + \dots + \text{Risk}_i$$

Where:

$\text{Risk}_T$  = the total cancer risk, expressed as a unitless probability

$\text{Risk}_i$  = the risk estimate for the  $i^{\text{th}}$  substance

The USEPA (1991a) target carcinogenic risk management range for environmental remediation sites is  $1 \times 10^{-4}$  to  $1 \times 10^{-6}$ , indicating that the estimated exposure will not result in unacceptable risks for these receptors. However, the DNREC acceptable risk level is  $1 \times 10^{-5}$ , and this level applies to the Site.

### 5.1.2 Noncarcinogenic Effects

The potential for noncarcinogenic effects is evaluated by comparing an exposure level or intake (chronic daily intake or CDI) over a specified time period with an RfD derived for a similar exposure period. This ratio is termed the HQ. In other words, HQ equals the intake divided by the corresponding reference value, or:

$$\begin{aligned}\text{Oral HQ} &= \text{Oral intake} / \text{oral RfD} \\ \text{Inhalation HQ} &= \text{Inhalation intake} / \text{inhalation RfC} \\ \text{Dermal HQ} &= \text{Dermal intake} / \text{dermal RfD}\end{aligned}$$

The HQ assumes a level of exposure (i.e., RfD or RfC) below which it is unlikely for even sensitive populations to experience adverse health effects. If the exposure level exceeds the threshold (i.e., if HQ exceeds unity), there may be the potential for non-cancer effects to occur.

An HI approach was developed by the USEPA (1989) to assess the overall potential for noncarcinogenic effects posed by more than one chemical. This approach assumes that simultaneous sub-threshold exposures to several chemicals could result in an adverse health effect. The HI is calculated as follows:

$$HI = HQ1 + HQ2 + \dots + HQi$$

Where:

HQi = the HQ for the  $i^{\text{th}}$  toxicant

It should be noted that exposure intake is taken to mean “chronic” exposure. Chronic exposure is defined as exposure equal to or greater than 10% of a life span.

The calculation of an HI in excess of 1 indicates the potential for noncarcinogenic health effects. Indices greater than 1 will be generated any time intake for any COPC exceeds its RfD or RfC. Moreover, if there are two or more chemicals involved, it is possible to generate an HI greater than 1, even if the individual chemical intakes or concentrations do not exceed their respective RfDs or RfCs. The cumulative HI is defined as the summation of the hazards associated with all media and all pathways of exposure. In cases where the HI exceeds 1, target organs were considered, since noncarcinogens that affect different target organs are not expected to have cumulative effects.

### 5.1.3 Lead Hazard

Lead was identified as a COPC in subsurface soil at SWMU 5. A construction worker is the potential receptor because lead was detected in subsurface soil. The USEPA (2009) Adult Lead Model (ALM) was used to estimate an allowable average concentration of lead in soil for the exposure areas where current or future adult workers (i.e., on-site construction workers) may be exposed. Default exposure parameters presented in the ALM were used to evaluate adult lead exposure to on-site construction workers. Exposure frequency was adjusted to evaluate lead risks for a construction worker. The ALM is included in Appendix C.

The ALM shows that the EPCs in soils do not exceed the RBSCs calculated using the USEPA acceptable blood-lead level of 10 micrograms per deciliter ( $\mu\text{g}/\text{dL}$ ). Therefore, adverse effects from exposures to lead in soils at the Site are unlikely for human receptors.

## 5.2 Risk Characterization Results

Tables 5-1 summarizes the human health risk/hazard results for assumed exposures to soil at the following depths by on-site receptors (by receptor):

- Surface Soil - 0 to 2 feet bgs for an industrial worker
- Mixed Soil - 0 to 15 feet bgs for a construction worker

The total excess cancer risk and total HI for assumed industrial worker exposures to COPCs in surface soil (through incidental ingestion, dermal contact and the inhalation of outdoor dusts) were estimated using the EPCs shown in Table 3-1 (surface soil). Total excess cancer risk and total HI for assumed construction worker exposures to COPCs in surface soil (through incidental ingestion, dermal contact and the inhalation of outdoor dusts) and groundwater (through incidental ingestion and dermal contact) were estimated using the EPCs shown in Tables 3-1 (mixed soil) and 3-2 (groundwater).

It should be noted that, based on the CSM, not all receptors would be expected to be exposed to all soil profiles. Therefore, only the soil profiles appropriate for each receptor were evaluated. Appendix D provides the supporting calculations for the results presented in these tables. Table 5-2 summarizes the risk for the construction worker potentially exposed to on-site interior groundwater. Table 5-3 shows the back calculated surface water risk-based screening concentrations for an off-site recreational user scenario. Table 5-4 is a comparison of the calculated surface water screening levels to the groundwater results from shallow on-site perimeter wells, adjusted by a SWPF.

### 5.2.1 SWMUs 1 & 3

Total cancer risk estimates of  $5E-05$  and  $7E-07$  were calculated under the RME scenario for the industrial worker and construction worker, respectively (Table 5-1). The cancer risk estimate is slightly above the DNREC acceptable risk level of  $1.0E-05$  for an industrial worker. Benzo(a)pyrene detected in surface soil is the constituent of concern (COC) that contributes the most to the exceedance. However, only two samples had benzo(a)pyrene concentrations exceeding the screening level, and fill material was observed in the surface sample with the highest benzo(a)pyrene detection. Risk was recalculated for benzo(a)pyrene using the CT exposure scenario. The recalculated risk for benzo(a)pyrene is  $3E-06$ , which is below the DNREC acceptable risk level of  $1E-05$  for an industrial worker.

Assumed construction worker exposures to COPCs in soil resulted in total HI of 0.96 due to copper; however, the HI estimate for the RME scenario is below 1. The cancer risk and hazard associated with the groundwater exposure pathways are discussed in Section 5.2.5 for sitewide groundwater.

### 5.2.2 SWMU 4

Total cancer risk estimates of  $2E-06$  and  $3E-08$  from exposure to benzo(a)pyrene in soil were calculated for the industrial worker and construction worker, respectively (Table 5-1). The cancer risk estimates are below the DNREC acceptable risk level of  $1.0E-05$ . No data are available on the noncarcinogenic effects of benzo(a)pyrene in humans. Animal studies show limited noncarcinogenic effects due to exposure to benzo(a)pyrene in animals. The risk and hazard associated with the groundwater exposure pathways are discussed in Section 5.2.5 for sitewide groundwater.

### 5.2.3 SWMU 5

Total cancer risk estimates of  $8E-06$  and  $3E-06$  were calculated for the industrial worker and construction worker, respectively (Table 5-1). The cancer risk estimates are below the DNREC acceptable risk level of  $1.0E-05$ . Assumed construction worker exposures to COPCs in soil resulted in total HI of 0.1. The risk and hazard associated with the groundwater exposure pathways are discussed in Section 5.2.5 for sitewide groundwater.

### 5.2.4 SWMU 18

As shown in Table 5-1, total cancer risk estimates of  $1E-06$  and  $2E-08$  from exposure to benzo(a)pyrene in soil were calculated for industrial workers and construction workers, respectively, for SWMU 18. The cancer risk estimates are below the DNREC acceptable risk level of  $1.0E-05$ .

### 5.2.5 SWMU 20

As shown in Table 5-1, the assumed construction worker exposures to COPC (ORO>C28-C35) in soil resulted in total HI of 0.0006. The assumed construction worker exposures to COPC in soil associated with SWMU 20 resulted in a total HI well below 1.0.

### 5.2.6 SWMU 23

As shown in Table 5-1, the cancer risk estimate of 3E-07 was calculated for construction workers exposed to COPCs in soil associated with SWMU 23. The cancer risk estimate is below the DNREC acceptable risk level of 1.0E-05. Assumed construction worker exposures to COPC in soil resulted in total HI of 0.037. The assumed construction worker exposures to COPC in soil associated with SWMU 23 resulted in a total HI well below 1.0. The ALM was used for the lead evaluation (see Section 5.1.3). The ALM shows that the EPCs in soils do not exceed the RBSCs calculated using the USEPA acceptable blood-lead level of 10 µg/dL. Therefore, adverse effects from exposures to lead in soils at SWMU 23 are unlikely for human receptors.

### 5.2.7 SWMU 27

As shown in Table 5-1, the cancer risk estimate of 3E-08 was calculated for construction workers exposed to the COPC in soil associated with SWMU 27. The cancer risk estimate is below the DNREC acceptable risk level of 1.0E-05. The risk and hazard associated with the groundwater exposure pathways are discussed in Section 5.2.8 for sitewide groundwater.

### 5.2.8 Interior Sitewide Groundwater

The cancer risk and hazard associated with the groundwater exposure pathways for a construction worker are summarized in Table 5-2. All COPCs identified in groundwater are noncarcinogens; thus, no risk estimates were calculated. The total HI associated with exposure to the interior sitewide groundwater is 0.04, which is well below the acceptable hazard level of 1.0.

### 5.2.9 Off-Site Recreational Users

The comparison of perimeter well results to the screening levels (Table 5-3) show that all detected concentrations were below the adjusted RBSCs; therefore, no COPCs were identified through the screening evaluation.



## 6.0 ECOLOGICAL SCREENING EVALUATION

### 6.1 Identification of Ecological Receptors and Exposure Pathways

The Site is a developed industrial facility. No significant ecological habitat was identified on the Site; however, potential ecological receptors (specifically, aquatic organisms) were identified in the adjacent Delaware River. Figure 12 is a CSM for the potential ecological receptors at the Site. The only potentially complete exposure pathway is the groundwater discharge to surface water with direct contact and ingestion of surface water for aquatic organisms. The rest of the exposure pathways are incomplete because the area is developed with limited shoreline. The Site is covered with asphalt, concrete, or vegetation, limiting the transport of contamination from surface soil to the river.

### 6.2 Ecological Screening Evaluation

Risk screening was conducted for aquatic ecological receptors associated with the Delaware River. Groundwater results from shallow perimeter wells within the Site and along the banks of the river were compared to site-specific screening levels. The site screening levels were calculated by multiplying the constituent screening criteria by the SWPF. As stated in Section 2.2.1, the SWPF is defined as the ratio of the flow of surface water (Delaware River) to the flow of the groundwater discharge from the water bearing zone beneath DuPont Edge Moor Plant. It is noted that this approach has been used previously on the Hay Road Sludge Drying site and accepted by DNREC.

As discussed in Section 1.2, the Site is located along the western bank of the Delaware River, at R.M. 72.7, within the Delaware River Zone 5 that extends from R.M. 78.8 to R.M. 48.2. Promulgated surface water quality criteria by the DRBC for Zone 5 of the Delaware River estuary were used as the screening criteria. If criteria were not available from the DRBC, the following screening criteria were used, in order of preference:

- DNREC surface water quality standards (2011)
- DNREC 1999 Uniform Risk-Based Remediation Standards
- 2009 USEPA National Recommended Water Quality Criteria
- USEPA Region 3 Biological Technical Advisory Group recommended criteria (July 2006)

Detected constituent concentrations were compared against these site-specific screening levels to verify that discharge of groundwater constituents into the surface water is protective of the receiving surface water, the Delaware River. The screening results are presented in Table 5-4, and show that detected concentrations in the perimeter wells are below the surface water screening criteria for aquatic life. Therefore, no COPCs were identified from the screening evaluation and groundwater discharging to the Delaware River, thus it is not a pathway of concern.

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## 7.0 UNCERTAINTY ANALYSIS

All risk analyses involve use of assumptions, professional judgments, and analytical data to varying degrees, which may result in uncertainty in the final estimates of risk. Risk analysis is therefore often based on conservative assumptions and scenarios.

Uncertainty may be introduced because the process requires integration of the following elements:

- Release of constituents into the environment, including the areal and vertical distribution of these materials in environmental media
- Fate and transport of constituents in a variety of different and variable environments by processes that may not be completely understood or are too complex to quantify accurately
- Potential for adverse effects based on extrapolations from animal studies
- Potential for adverse effects in a population that is highly variable with respect to genetics, age, activity level, and lifestyle

It was determined during the data review process that all non-rejected soil samples were to be used for the HHRA. The soil samples were collected in a biased manner with the specific intent of identifying contaminated areas. Therefore, using all sample data that were collected near the source areas may overestimate the overall risk because the objective of the HHRA is to evaluate the “reasonable” maximum exposure.

All soil samples were associated with a specific soil profile based on the starting depth of the sample. If the starting depth was less than the ending depth of the soil profile, the sample was included in that profile. For example, a sample collected from a depth of 18 to 30 inches bgs would be included in the 0 to 2 feet bgs soil profile. This approach can result in additional uncertainty, which in turn may result in either an under- or overestimate of risk when soil from outside the range of the soil profile is included in the risk estimation (depending on the concentrations of COPCs in the soil).

95% UCL was not only calculated for COPCs with sufficient samples but also calculated for COPCs with less than four detections. Although statistics can be performed for these data, the calculation results may not be reliable. Therefore, the maximum concentrations were used for constituents with detection in less than four samples to prevent underestimation of the risks and hazards.

Steady-state conditions were assumed for evaluation of future exposures. This may tend to overestimate long-term exposures and health risks because contaminant concentrations may decrease over time due to such factors as biodegradation, volatilization, and leaching.

There may be some discrepancy over how well an exposure scenario approximates the precise conditions to which a receptor may be exposed at a given site. Potential human exposures could deviate from those estimated in this HHRA through differences in exposure frequency, contact rate, exposure duration, body weight, and life span. However, because the RME exposure parameter values generally consist of upper bound (i.e., 90<sup>th</sup> percentile) estimates, the RME exposure and risk estimates presented here may well be upper-bound estimates that overestimate exposures (and risks) for the average receptor.

The exposure to groundwater via direct contact for a construction worker is minimal because dewatering will be performed during the excavation activities. Therefore, the risk associated with the dermal contact to groundwater for a construction work is over-estimated. Permits and personal protective equipment (PPE) are also required at the Site; exposure through excavation/construction is therefore unlikely.

A conservative 3-hour exposure time was assumed based on professional judgment as a conservative approach for an off-site recreational user during boating activities.

The chronic RfD for a constituent is based on studies where either human or animal populations were exposed to a given constituent by a given route of exposure for the major portion of the life span (as a USEPA guideline, seven years to a lifetime) (USEPA 1989). RfDs are derived by determining dose-specific effect levels from all available quantitative studies and applying uncertainty factors to the most appropriate effect level to determine an RfD for humans. Uncertainty factors are generally applied as multiples of 10 to represent specific areas of uncertainty in the data. Typically, an uncertainty factor of 100 to 1,000 is used in the adjustments. In addition, USEPA may use a modifying factor of up to 10 that applies to professional judgment of uncertainties. General uncertainties in the derivation of RfDs may be associated with factors such as:

- Variations in the general population (to protect sensitive receptors)
- Extrapolation of animal data to humans
- Use of a sub-chronic study versus a chronic study to determine the no-observed-adverse-effect level (NOAEL)
- Use of a lowest-observed-adverse-effect level (LOAEL) versus a NOAEL

Both the uncertainty and modifying factors are conservative in nature and tend to overestimate risk.

As indicated above, toxicity factors are generally route specific (i.e., they are either for inhalation or oral exposure to a given chemical). In this risk analysis, oral RfDs and SFs were used to evaluate the risk associated with ingestion of a given chemical. RfCs and inhalation unit risk factors were used to evaluate the risk associated with inhalation of chemicals. Due to differences in the exposure pathways, route-to-route extrapolation was not performed between oral and inhalation pathways (USEPA 2009a). In other words, if an inhalation toxicity factor did not exist, the oral RfD or SF was not used to calculate one. For analytes that are inhaled or absorbed through the lungs and have systemic toxic effects, the absence of route-to-route extrapolation will tend to underestimate the risk associated with inhalation exposure to a given chemical. Conversely, for chemicals that have only portal of entry effects and not systemic effects, the use of route-to-route extrapolation would tend to overestimate the risks.

Screening levels are not available for all congeners of PCBs and dioxins. However, the lack of these particular values is not likely to underestimate risk or hazard of these congeners because total PCBs and dioxins were evaluated.

The dilution factor for surface water was calculated based on the groundwater flux to the river. The groundwater flux to the river can vary by an order of magnitude based on various river flow rates; hydraulic conductivity of the aquifer; saturated thickness of the aquifer; and groundwater hydraulic gradient. The lowest river flow rate was used to calculate the dilution factor as a conservative approach.

## 8.0 CONCLUSIONS

The primary objective of the HHRA was to quantitatively characterize the human health and the environment risk associated with current and reasonably possible future exposure to COPCs from soils associated with the regulated SWMUs or sitewide groundwater. Potential receptors at the Site include current/future on-site industrial and construction workers and off-site recreational users of the river. The exposure pathways evaluated in the HHRA are as shown in the individual SWMU CSMs (Figures 5 through 12) and include the following:

- Incidental soil ingestion, dermal contact with soil, and inhalation of particulates for industrial workers and construction workers
- Incidental ingestion, dermal contact, and inhalation of COPCs in groundwater for construction workers

The COPCs identified for soil and groundwater included several polynuclear aromatic hydrocarbons, PCBs, and several inorganics for soil and several inorganics for groundwater. Site groundwater was eliminated as a drinking water source because the Site subsurface is virtually unproductive for water supply, due to discontinuous sand lenses and perched water-bearing zones.

Table 8-1 is a summary of human health risks estimated for the Site. The total excess cancer risks estimated for industrial and construction workers in SWMUs 4, 5, 18, 20, 23 and 27 where COPCs were identified are below the DNREC acceptable risk level of  $1.0E-05$ , indicating that the estimated exposure will not result in unacceptable risks for these receptors. However, the total cancer risk for SWMU 1&3 exceeds the DNREC acceptable cancer risk level of  $1 \times 10^{-5}$  under the RME scenario for an industrial site worker. Benzo(a)pyrene detected in surface soil is the primary COC contributing to the exceedance. However, only two samples had concentrations exceeding the screening level, and fill material was observed in the surface soil sample with the highest benzo(a)pyrene detection. The recalculated cancer risk for benzo(a)pyrene under a more likely CT scenario is below the DNREC acceptable risk level of  $1 \times 10^{-5}$  for an industrial worker. Therefore, the estimated exposure for benzo(a)pyrene should not result in unacceptable cancer risk.

Further, the potential exposure of industrial site workers to these soils is low for two reasons. First, the entire site is covered by impervious surfaces (such as asphalt and concrete) or grass, all of which mitigate exposure.<sup>1</sup> Second, institutional controls (i.e., excavation limitations and permit requirements) are in place to ensure the appropriate PPE is used if soil is disturbed, further mitigating the potential for exposure. The hazards estimated for the Site are also summarized in Table 8-1. The HI estimated for industrial workers and construction workers do not exceed the benchmark of 1.0, indicating that the estimated exposures will not result in adverse health effects.

Hazards from lead were evaluated using the ALM. The geometric mean of the lead blood level estimated for a construction worker ranges from 1.5 µg/dL to 2 µg/dL, which is below the target lead blood level of concern of 10 µg/dL. The evaluation results show that adverse effects from exposures to lead in soils are unlikely for human receptors at the Site.

<sup>1</sup> Both borings S01SB11 and S01SB06 were advanced in the eastern berm of the Retention Pond. The area is grassy near S01SB06 and overgrown and wooded near S01SB11. The area is very steep because it is directly adjacent to the Delaware River bank. The potential exposure to these locations for an on-site industrial work is low to unlikely.

RBSCs were calculated associated with potential surface water pathways for the off-site recreational users and compared to the groundwater concentration detected in the shallow perimeter wells. The comparison results show that all detected concentrations in the shallow perimeter wells are below the adjusted RBSCs. Therefore, no COPCs in groundwater associated with potential surface water pathways were identified for the off-site recreational users.

The ecological screening evaluation results show that detected concentrations in the shallow perimeter wells are below the adjusted surface water screening criteria for aquatic life. Therefore, no COPCs were identified from the screening evaluation for the surface water ecological scenario. No other completed pathways were identified for ecological receptors at or adjacent to the Site.

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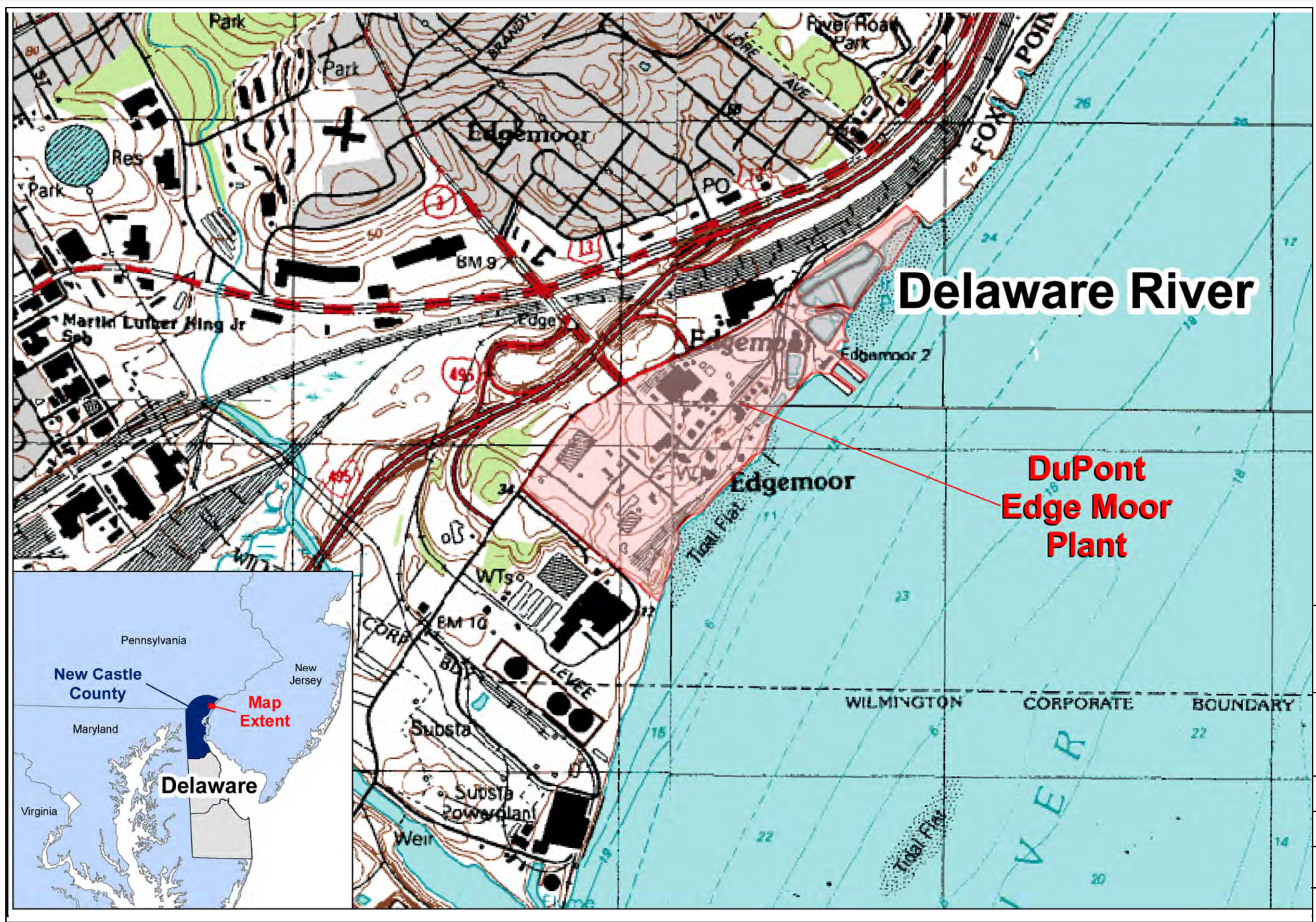
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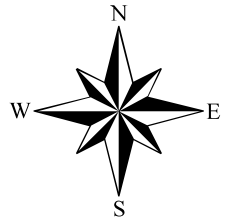
# FIGURES





Notes:  
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Scale:  
 1 inch = 1000 feet

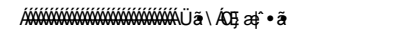


**Delaware River**

**DuPont  
 Edge Moor  
 Plant**

**PARSONS**  
 1601 Market Street  
 Suite 900  
 Philadelphia, PA 19103

**Site Location Map**


  
 DuPont Edge Moor Facility  
 Edgemoor, Delaware

Created: D. Vitek	DuPont Project Number: 7359
Date: 6/21 /1H	Parsons Project Number:
Rev. Number:	Figure Number: <b>1</b>

File Name:  
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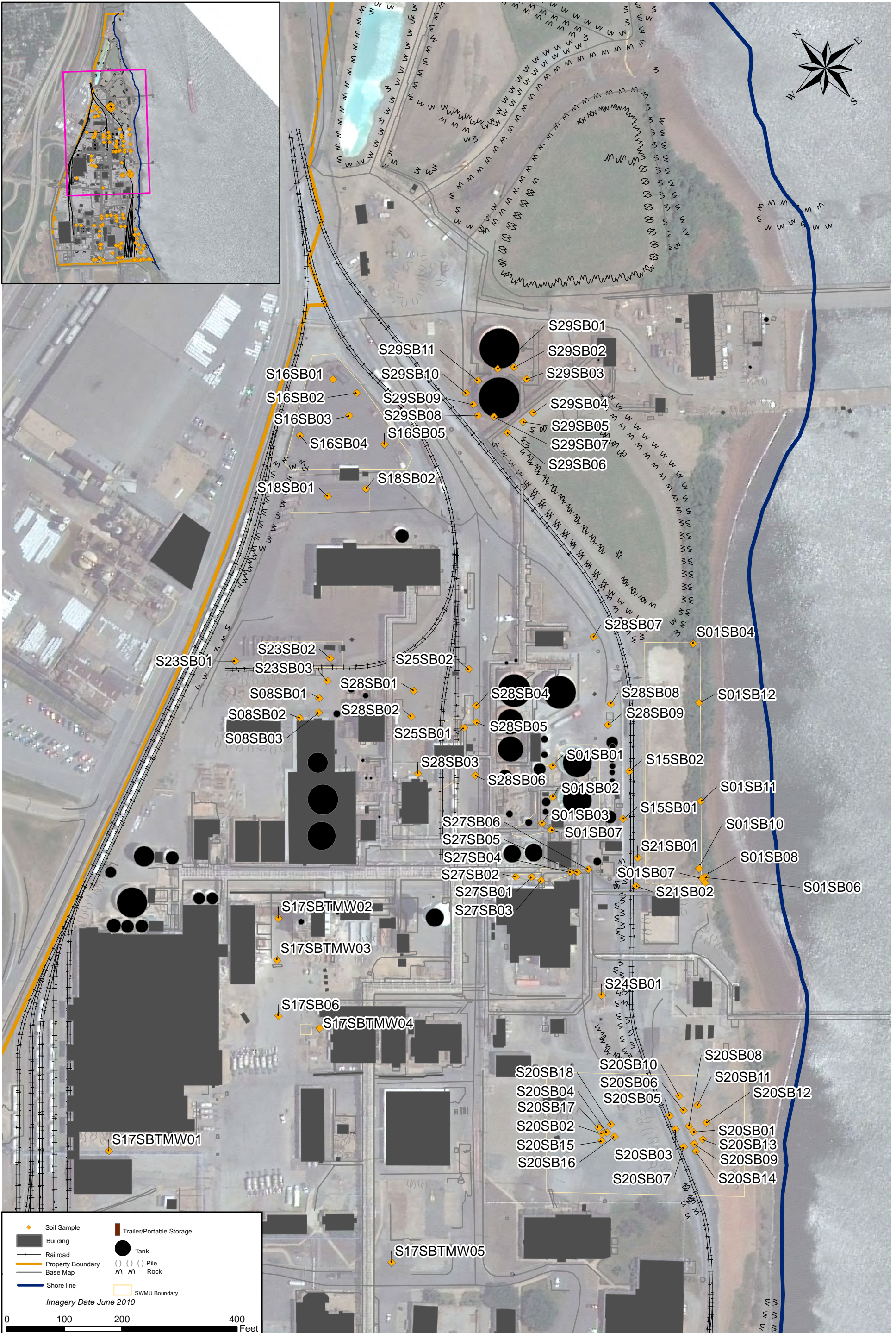
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# PARSONS

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 1601 Market Street - Suite 900  
 Philadelphia, PA 19103

## SWMU Location Map Site-Specific Risk Assessment DuPont Edge Moor Facility Edgemoor, Delaware

Created: C. Oneal	DuPont Project Number:
Date: 09/29/2011	Parsons Project Number: 445384.01013
Revision:	Figure Number: 2
File Name: SWMU_Location_Map.mxd	

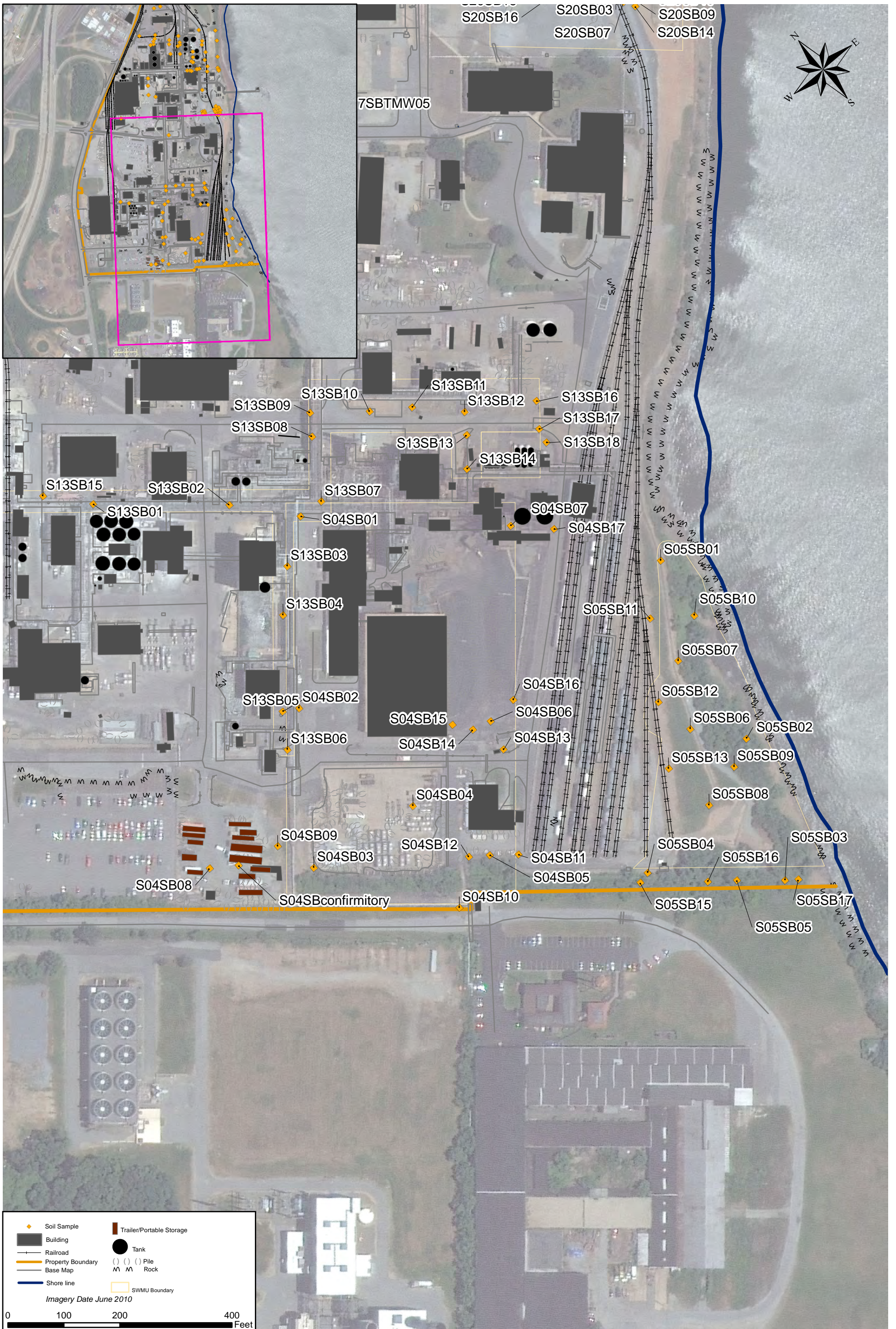


◆ Soil Sample  
 ■ Building  
 — Railroad  
 — Property Boundary  
 — Base Map  
 — Shore line  
 ■ Trailer/Portable Storage  
 ● Tank  
 ○ Pile  
 M M Rock  
 □ SWMU Boundary  
 Imagery Date June 2010  
 0 100 200 400 Feet

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 Parsons-Commercial Technology Group  
 1601 Market Street -Suite 900  
 Philadelphia, PA 19103

Title: **Soil Sample Locations Map  
 DuPont Edge Moor Plant**

Created: C. Oneal	DuPont Project Number:
Date: 09/29/2011	Parsons Project Number: 445384.01013
Revision:	Figure Number: 4A
File Name: Fig4_Soil_Locs_v1.mxd	



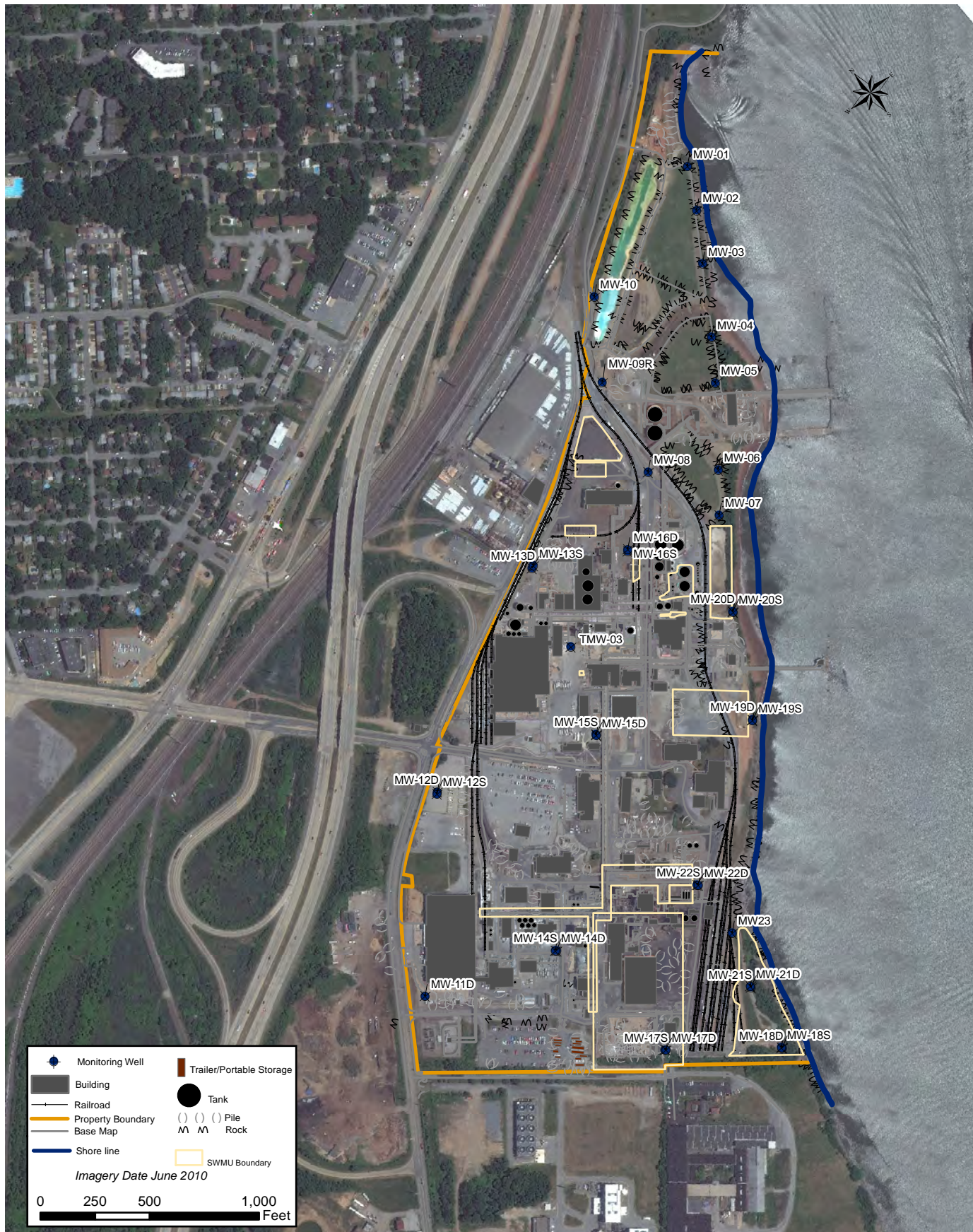
**PARSONS**

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 1601 Market Street - Suite 900  
 Philadelphia, PA 19103

Title: **Soil Sample Locations Map  
 DuPont Edge Moor Plant**

Created: C. Oneal	DuPont Project Number:
Date: 09/29/2011	Parsons Project Number: 445384.01013
Revision:	Figure Number: 4B
File Name: Fig4_Soil_Locs_v2.mxd	





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1601 Market Street - Suite 900  
Philadelphia, PA 19103

Title: **Monitoring Well Locations Map  
DuPont Edge Moor Plant**

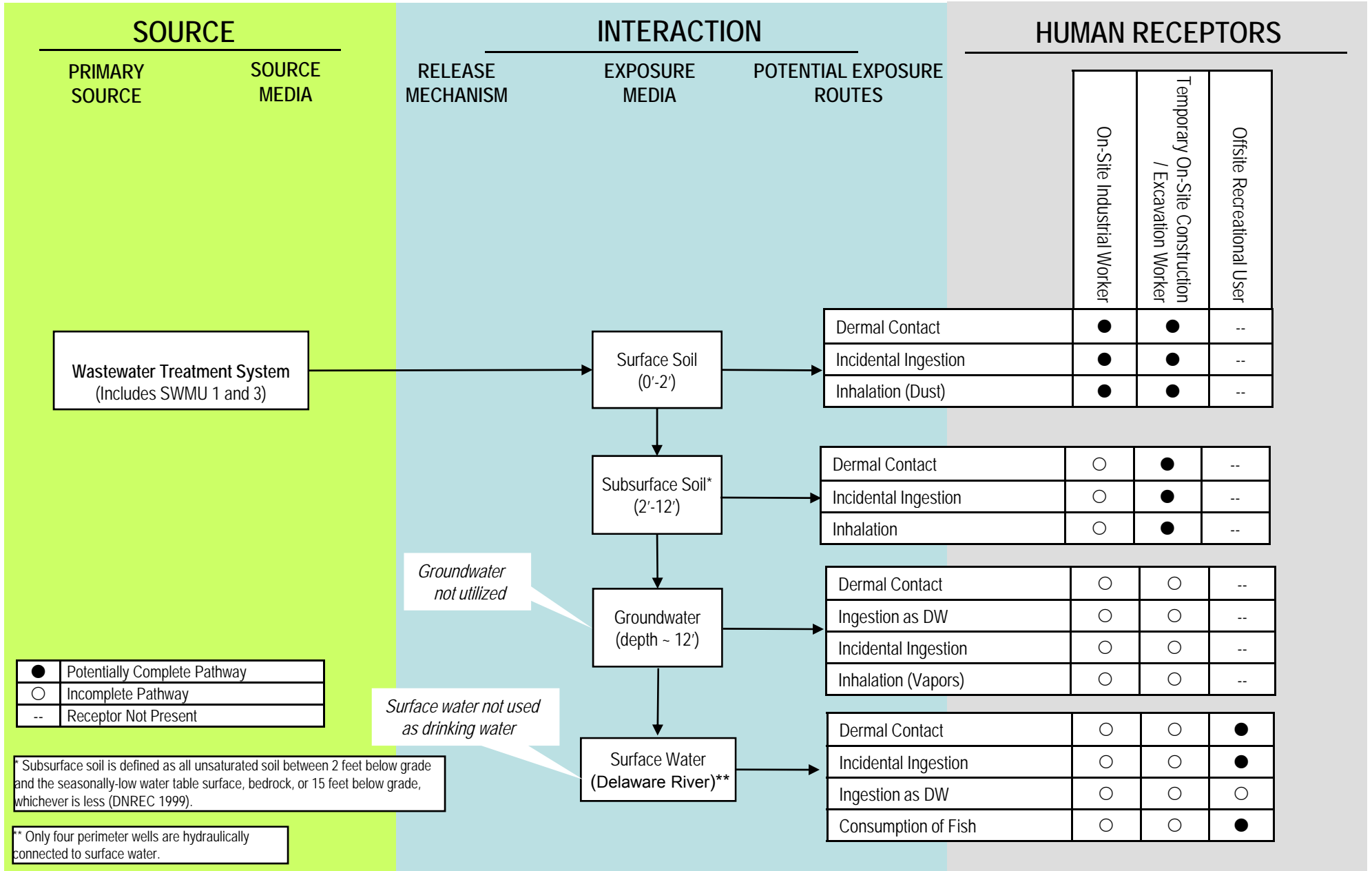
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Date: 09/29/2011	Parsons Project Number: 445384.01013
Revision:	Figure Number: 5
File Name: Fig5_MW_Locs.mxd	

# FIGURE 5 Human Health Conceptual Site Model - SWMU 1&3

**Site Name:** SWMU 1&3 - DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** May 24, 2011

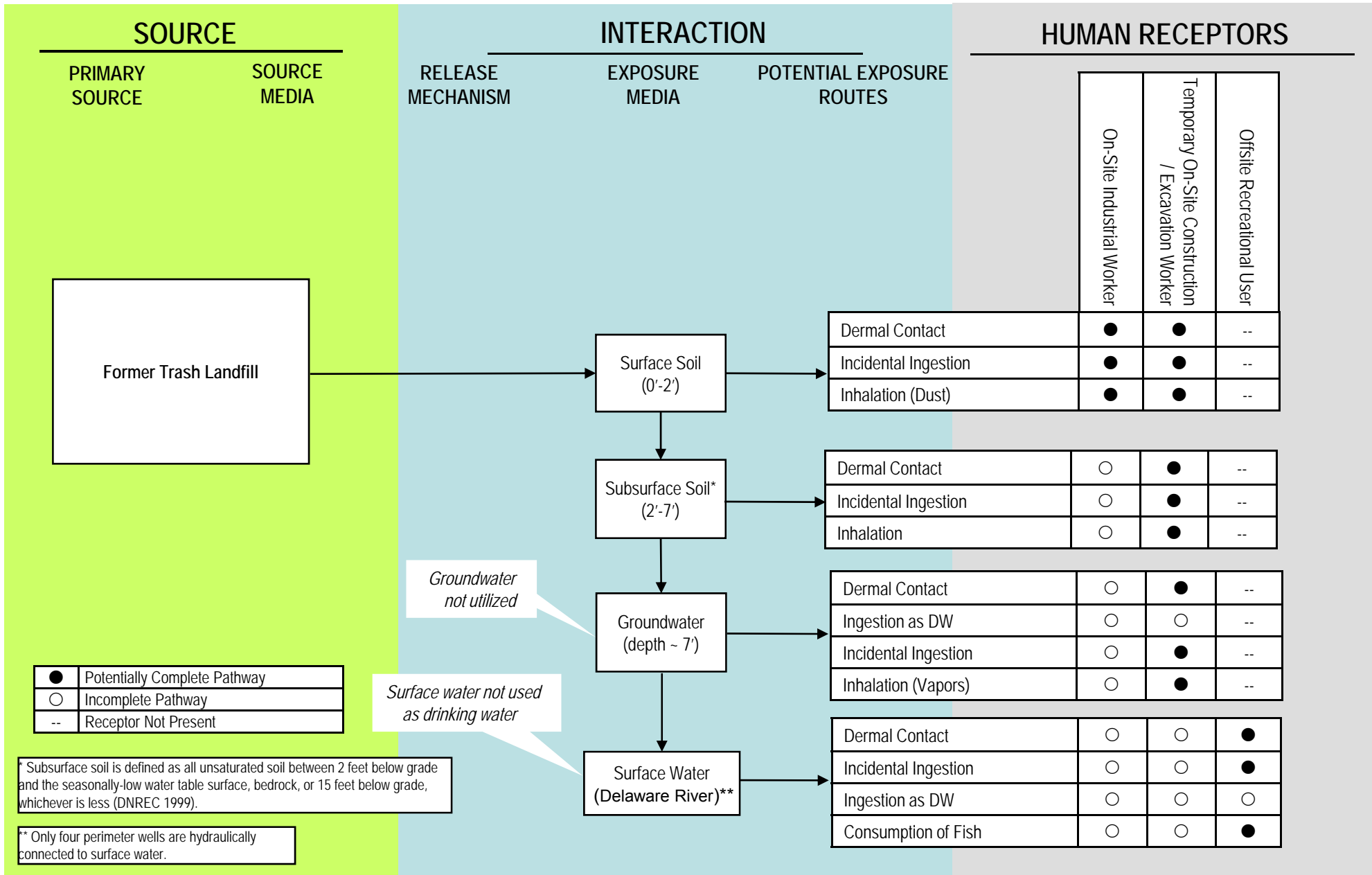


# FIGURE 6 Human Health Conceptual Site Model - SWMU 4

**Site Name:** SWMU 4 - DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** May 24, 2011

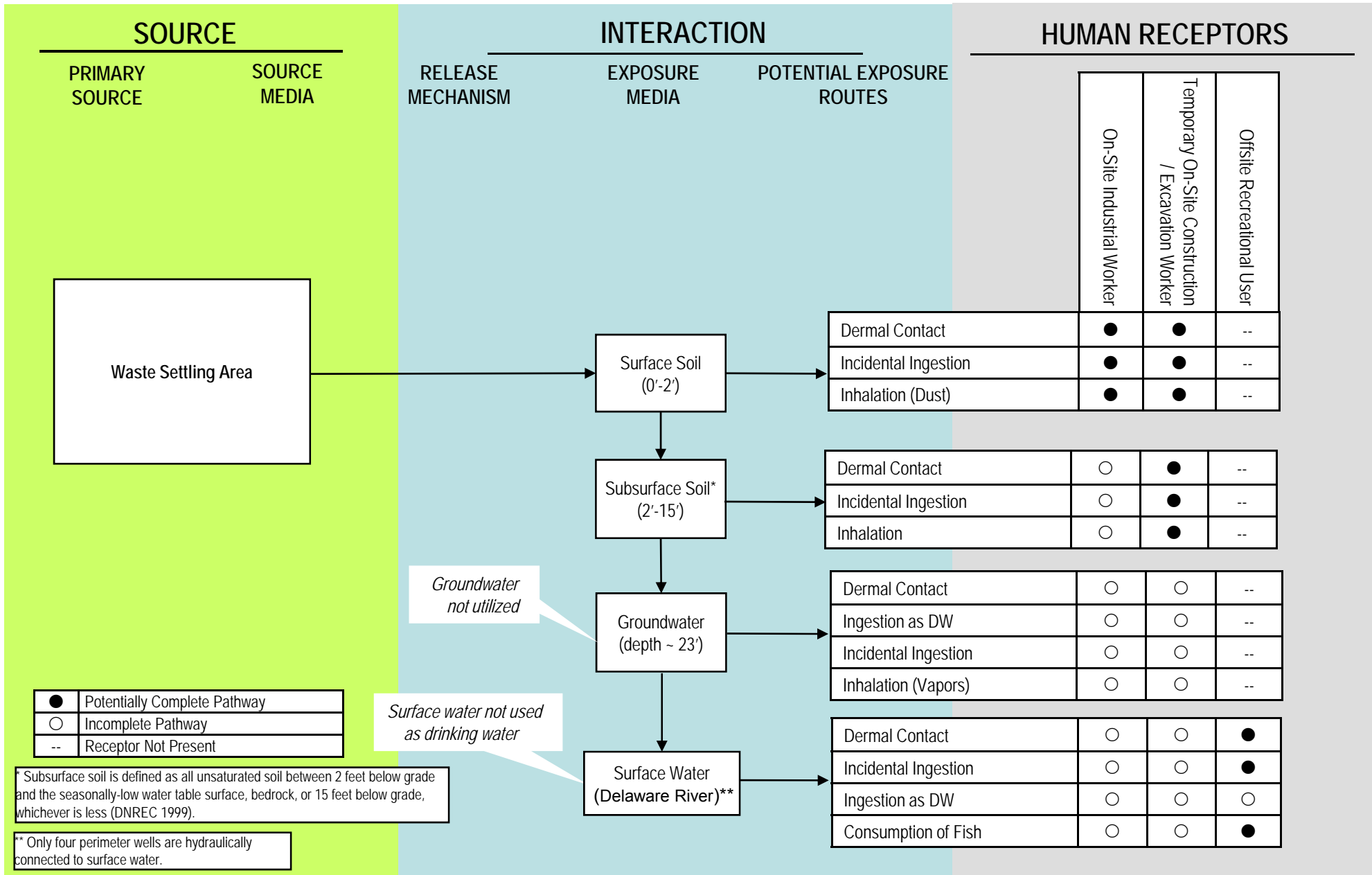


# FIGURE 7 Human Health Conceptual Site Model - SWMU 5

**Site Name:** SWMU 5 - DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** May 24, 2011

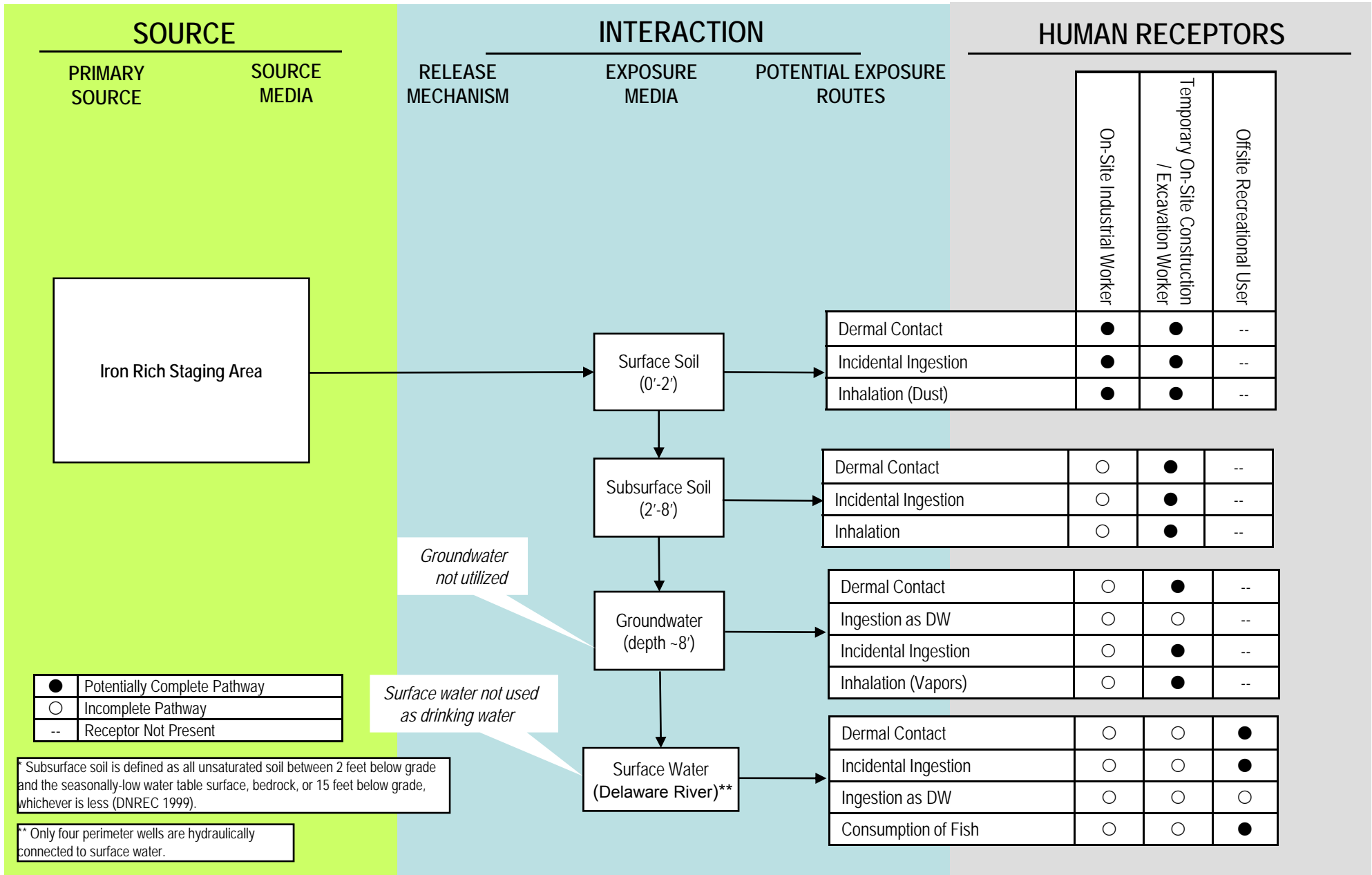


# FIGURE 8 Human Health Conceptual Site Model - SWMU 18

Site Name: SWMU 18 - DuPont Edge Moor Facility, Edgemoor, Delaware

Completed By: Justin Kirk, PARSONS

Date Completed: May 24, 2011

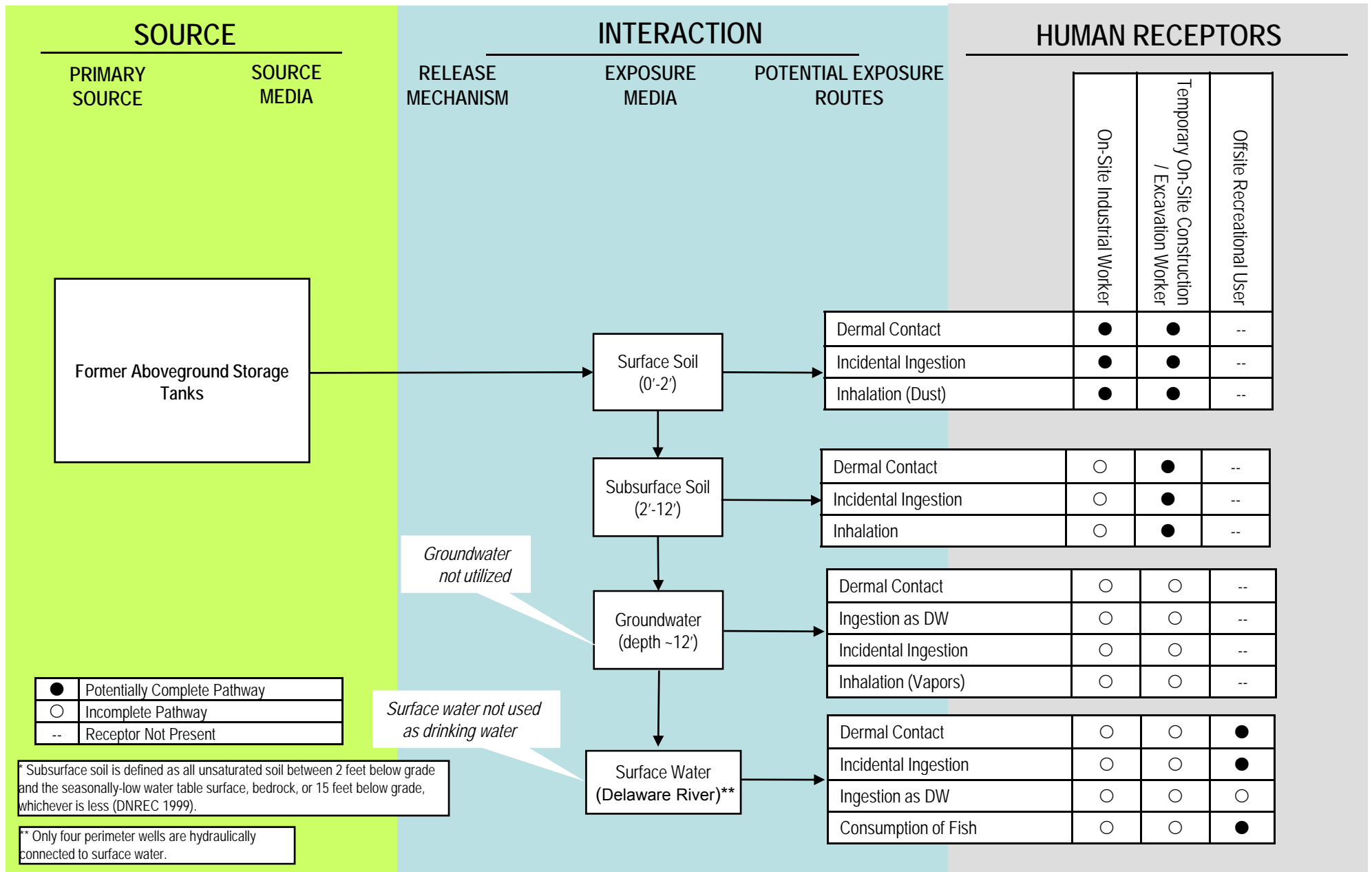


# FIGURE 9 Human Health Conceptual Site Model - SWMU 20

**Site Name:** SWMU 20 - DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** May 24, 2011



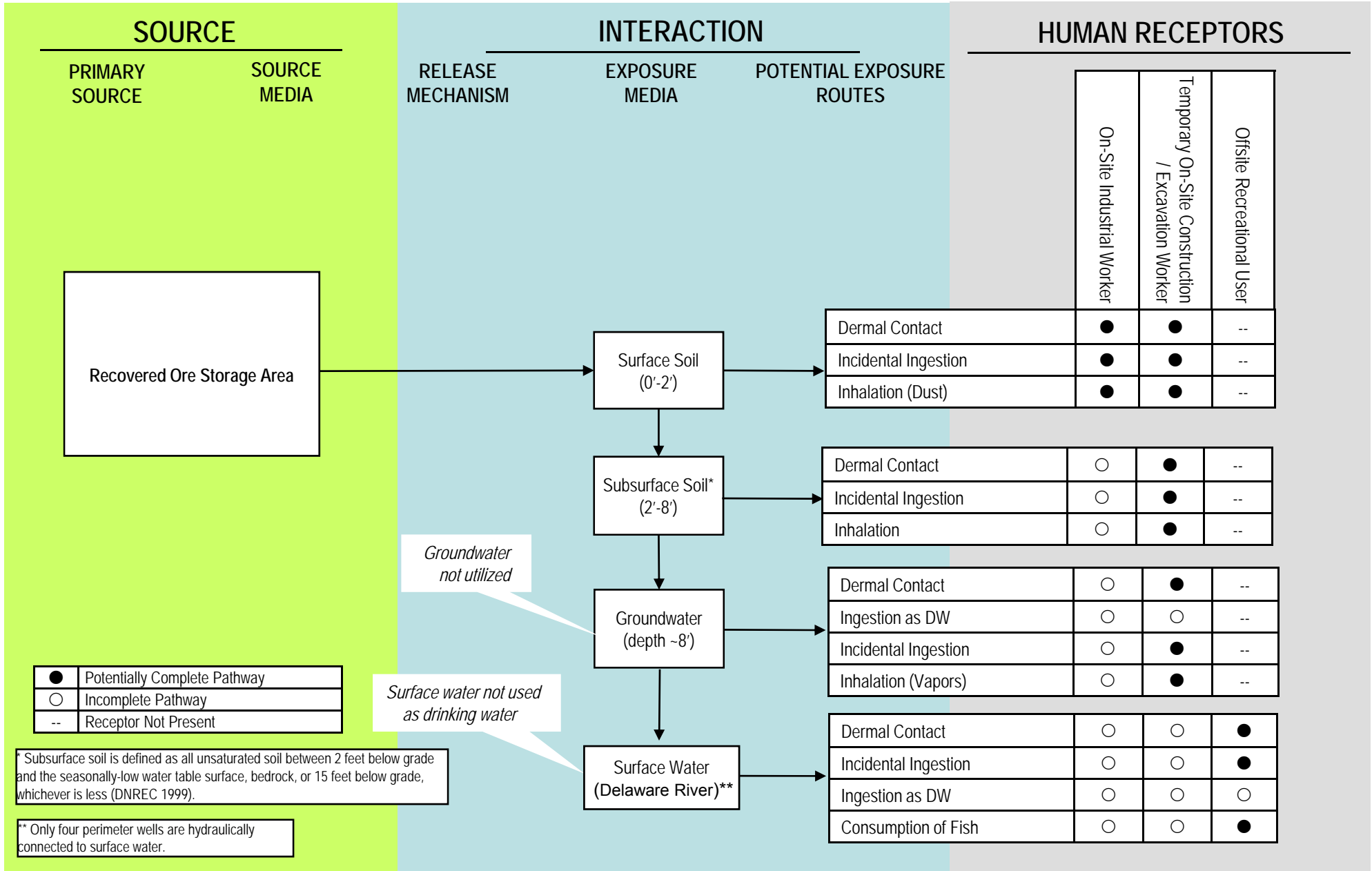
**FIGURE 10**

**Human Health Conceptual Site Model - SWMU 23**

**Site Name:** SWMU 23 - DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** May 24, 2011



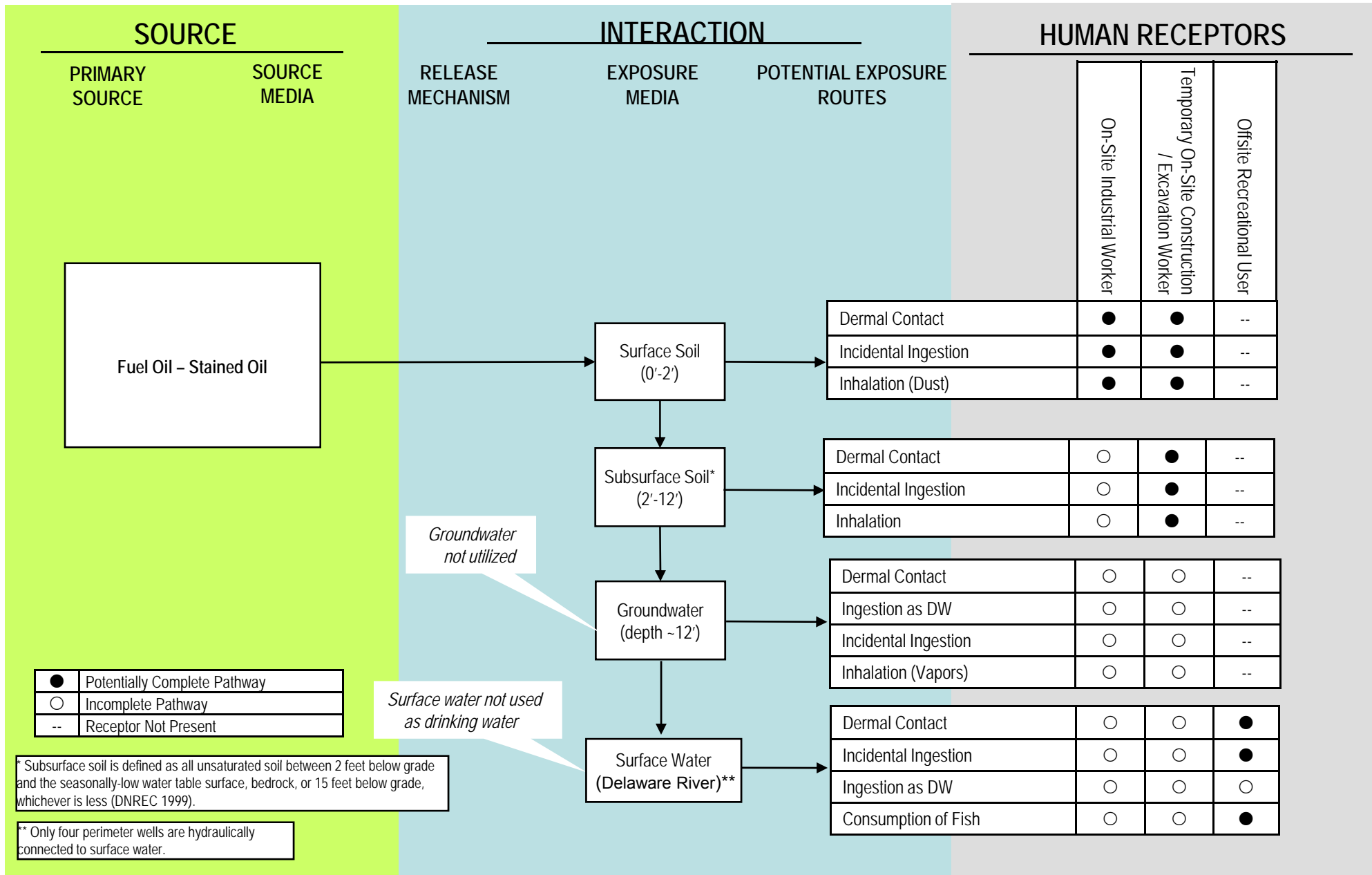
**FIGURE 11**

**Human Health Conceptual Site Model - SWMU 27**

**Site Name:** SWMU 27 - DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** May 24, 2011



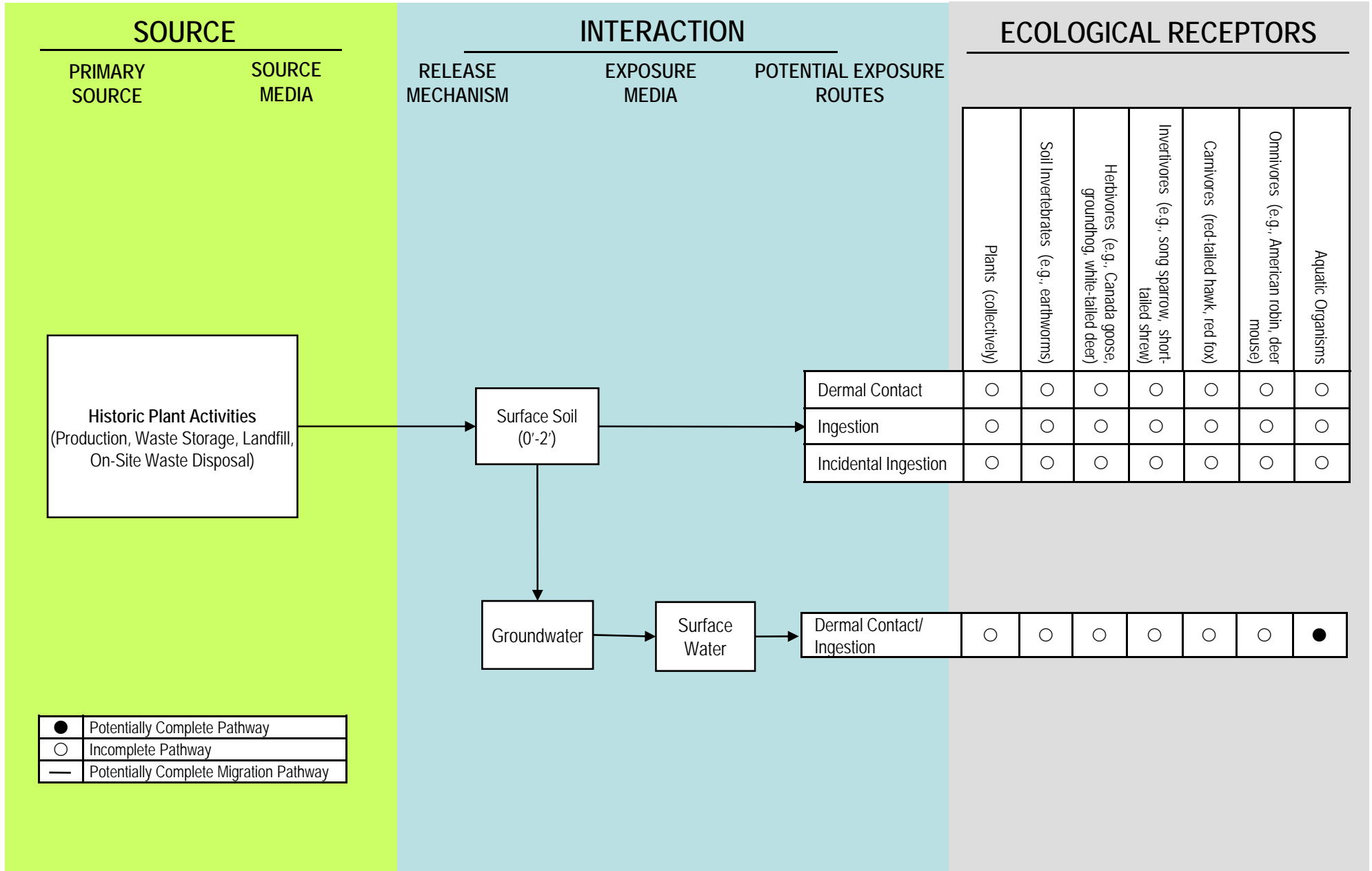


# FIGURE 12 Ecological Conceptual Site Model

**Site Name:** DuPont Edge Moor Facility, Edgemoor, Delaware

**Completed By:** Justin Kirk, PARSONS

**Date Completed:** January 25, 2011



# TABLES



**Table 1-1**  
**SWMU Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMU #	Description	Materials Stored	Post-Phase II RFI Recommended Status	Recommendation Status Basis
1 & 3	Wastewater Treatment System	Processed Wastewater	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
2	Pond E (Effluent Holding Basin)	Processed Water	In CA Permit, Investigation to Occur After SWMU Closure	Effluent Holding Basin still in operation
4	Former Trash Landfill/Old Landfill	Cardboard, scrap wood, concrete, bricks, soil, ash from paper/wood, small quantities of waste solvents, TiO <sub>2</sub> pigments, and miscellaneous non-combustible scrap	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
5	Waste Settling Area	Sludge deposits associated with the sulfate process plus chemical wastes	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
6	Internally Partitioned Ponds (A, B, C, & D)	Wastes from sulfur and chloride processes	Continue Groundwater Sampling in accordance with approved PCCP	PCCP approved May, 2010
8	Former '<90-day' Hazardous Waste Accumulation Area	55-gallon steel drums containing spent paint solvents	No Further Action	No exceedances of DC or IGW Screening Criteria
13A	Process Sewers	Facility process sewer area	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
13B	Process Sewers	Facility process sewer near chlorine scrubber area	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
15	Former Unpaved Ditch	Stormwater and sludge waste	No Further Action	No exceedances of DC or IGW Screening Criteria
16	Scrap Metal Area	Ore, scrap iron, inconel, copper, crushed stone, empty tanks, and drummed lubricating oil	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
17A	Former USTs (1, 2, 3, 4, B, C, F, & G)	Former Tanks B, C, F, G; 1 (#6 fuel oil); toluene); Former Tank 4 (heating oil); Former Tank 2 (gasoline), Former Tank3 (diesel, gasoline, toluene)	No Further Action	No exceedances of DC or IGW Screening Criteria
17B (6, 7, 8, I, J, K, & L)	Former USTs (6, 7, 8, I, J, K & L)	Former Tanks 6, 7, 8, I, J, K, and L (#6 fuel oil, gasoline, toluene)	No Further Action	No exceedances of DC or IGW Screening Criteria
17B (9&A)	Former USTs (9&A)	Former Tanks 9 and A (#6 fuel oil, gasoline, toluene)	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
18	Iron Rich Staging Area	Iron rich material	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
20	Former Oil ASTs	Fuel Oil	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
21	Copper Vanadium Sludge Pad	Copper vanadium sludge	No Further Action	No exceedances of DC or IGW Screening Criteria
23	Recovered Ore Storage Area	Ore	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
24	Oil-Water Separator/Skimmer	Oil, water, wash solution	No Further Action	No exceedances of DC or IGW Screening Criteria
25	Ferric Chloride Railcar Loading Area	Ferric chloride	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
27	Fuel Oil Stained Soil	#2 Diesel Fuel Oil	No Further Investigation - To be addressed under Baseline Risk Assessment	Soil Investigation Complete
28	Caustic Storage Area	Caustic materials (Sodium hydroxide)	No Further Action	No exceedances of DC or IGW Screening Criteria
29	Southland Tank	Ferric chloride solution	No Further Action	All field pH results above 2.0

CAP: Corrective Action Plan dated November 2004.

CA Permit: Corrective Action Permit #HW-03A16, Issued by DNREC during March 2006

RFI: Remedial Facility Investigation (required per DNREC Corrective Action Permit #HW-03A16)

	Remediated under Nov 2001 Consent Order
	Investigation to occur after SWMU closure
	No Further Action
	No Further Investigation

**Table 2-1**  
**Appropriate Flow for Risk Category**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

<b>Risk Category</b>	<b>Flow Rate Used</b>
Human Health Carcinogens	Harmonic Mean Flow
Human Health Systemic Toxicants	30Q5: the lowest 30-day flow with a recurrence interval of five years
Chronic Toxicant Effects on Aquatic Life	7Q10: the lowest 7-day flow with a recurrence interval of 10 years

**Table 2-2**  
**Delaware River Flow Rates past the Site**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

<b>Type of Flow</b>	<b>Flow Adjacent to Site (cfs)</b>
Harmonic Mean	8,275
30Q5	3,217
7Q10	2,500

**Table 2-3**  
**Calculation of the Surface Water Screening Criteria for the Off-Site Recreational User**  
**Carcinogenic and Noncarcinogenic Effects -- Incidental Ingestion and Dermal Contact with Surface Water**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Assumptions		Screening Level (SL) Equations based on Risk and Hazard	
Receptor	Off-Site Recreational User	<b>Carcinogenic:</b>	
Contact Rate (CR)	0.05 L/hr	$SL_{rec} = \frac{Risk}{(Intake_{oral} + Intake_{dermal}) \times SF}$	
Exposure Frequency (EF)	12 events/yr		
Exposure Duration (ED)	30 yrs	<b>Noncarcinogenic:</b>	
Skin Surface Area, Carcinogens (SA <sub>C</sub> )	20,000 cm <sup>2</sup>		
Skin Surface Area, Noncarcinogens (SA <sub>NC</sub> )	18,000 cm <sup>2</sup>	$SL_{rec} = \frac{HQ \times RfD}{Intake_{oral} + Intake_{dermal}}$	
Permeability Constant (PC)	chemical-specific cm/hr		
Averaging Time, Carcinogens (AT <sub>C</sub> )	25,550 days	$Intake_{oral} = \frac{(CR)(ET)(EF)(ED)}{(BW)(AT)}$	
Averaging Time, Noncarcinogens (AT <sub>NC</sub> )	10,950 days		
Body Weight (BW)	70 kg	$Intake_{dermal} = \frac{(SA)(PC)(ET)(EF)(ED)(CF)}{(BW)(AT)}$	
Exposure Time, Noncarcinogens (ET)	3 hr/event		
Oral Slope Factor Adjusted for GI Absorption (SF <sub>a</sub> )	chemical-specific (mg/kg-day) <sup>-1</sup>		
Oral Reference Dose Adjusted for GI Absorption (RfD <sub>a</sub> )	chemical-specific mg/kg-day		
Conversion Factor (CF)	0.001 L/cm <sup>3</sup>		
Cancer Risk (Risk)	1.E-06 unitless		
Hazard Quotient (HQ)	1 unitless		

Constituents	CAS Number <sup>a/</sup>	PC (cm/hr)	SF (mg/kg-day) <sup>-1 b/</sup>	RfD (mg/kg-day) <sup>b/</sup>	Intake <sub>oral</sub>		Intake <sub>dermal</sub>		Screening Level (mg/L)	
					C	NC	C	NC	Risk	HQ
									SW Protection Factor	
<b>Organic Constituents</b>									97,353	37,847
1,1,1-Trichloroethane	71-55-6	1.26E-02 c	--	2.00E+00 d	3.02E-05	7.05E-05	1.52E-04	3.20E-04	--	1.94E+08
1,1-Dichloroethane	75-34-3	6.75E-03 c	5.70E-03 e	2.00E-01 f	3.02E-05	7.05E-05	8.15E-05	1.71E-04	4.97E+00	3.13E+07
1,1-Dichloroethene	75-35-4	1.17E-02 c	--	5.00E-02 d	3.02E-05	7.05E-05	1.41E-04	2.97E-04	--	5.15E+06
1,2-Dichlorobenzene	95-50-1	4.46E-02 c	--	9.00E-02 d	3.02E-05	7.05E-05	5.39E-04	1.13E-03	--	2.83E+06
1,4-Dichlorobenzene	106-46-7	4.53E-02 c	5.40E-03 e	7.00E-02 g	3.02E-05	7.05E-05	5.47E-04	1.15E-03	9.11E-01	2.17E+06
2,4-Dimethylphenol	105-67-9	1.09E-02 c	--	2.00E-02 d	3.02E-05	7.05E-05	1.32E-04	2.76E-04	--	2.18E+06
2-Methylnaphthalene	91-57-6	9.17E-02 c	--	4.00E-03 d	3.02E-05	7.05E-05	1.11E-03	2.33E-03	--	6.32E+04
2-Mthylphenol (o-cresol)	95-48-7	7.66E-03 h	--	5.00E-02 d	3.02E-05	7.05E-05	9.25E-05	1.94E-04	--	7.15E+06
Acenaphthene	83-32-9	8.60E-02 c	--	6.00E-02 d	3.02E-05	7.05E-05	1.04E-03	2.18E-03	--	1.01E+06
Acetone	67-64-1	5.12E-04 c	--	9.00E-01 d	3.02E-05	7.05E-05	6.18E-06	1.30E-05	--	4.08E+08
Anthracene	120-12-7	1.42E-01 c	--	3.00E-01 d	3.02E-05	7.05E-05	1.71E-03	3.60E-03	--	3.09E+06
Benzene	71-43-2	1.49E-02 c	5.50E-02 d	4.00E-03 d	3.02E-05	7.05E-05	1.80E-04	3.78E-04	2.55E+01	3.38E+05
Benzo(a)pyrene	50-32-8	7.13E-01 c	7.30E+00 d	--	3.02E-05	7.05E-05	8.61E-03	1.81E-02	8.22E+01	--
Bis(2-Ethylhexyl)phthalate	117-81-7	1.13E+00 c	1.40E-02 d	2.00E-02 d	3.02E-05	7.05E-05	1.36E-02	2.87E-02	9.96E-02	2.63E+04
Carbazole	86-74-8	5.36E-02 c	--	2.00E-02 i	3.02E-05	7.05E-05	6.47E-04	1.36E-03	--	5.29E+05

**Table 2-3**  
**Calculation of the Surface Water Screening Criteria for the Off-Site Recreational User**  
**Carcinogenic and Noncarcinogenic Effects -- Incidental Ingestion and Dermal Contact with Surface Water**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Assumptions		Screening Level (SL) Equations based on Risk and Hazard	
Receptor	Off-Site Recreational User	<b>Carcinogenic:</b>	
Contact Rate (CR)	0.05 L/hr	$SL_{rec} = \frac{Risk}{(Intake_{oral} + Intake_{dermal}) \times SF}$	
Exposure Frequency (EF)	12 events/yr		
Exposure Duration (ED)	30 yrs	<b>Noncarcinogenic:</b>	
Skin Surface Area, Carcinogens (SA <sub>C</sub> )	20,000 cm <sup>2</sup>		
Skin Surface Area, Noncarcinogens (SA <sub>NC</sub> )	18,000 cm <sup>2</sup>	$SL_{rec} = \frac{HQ \times RfD}{Intake_{oral} + Intake_{dermal}}$	
Permeability Constant (PC)	chemical-specific cm/hr		
Averaging Time, Carcinogens (AT <sub>C</sub> )	25,550 days	$Intake_{oral} = \frac{(CR)(ET)(EF)(ED)}{(BW)(AT)}$	
Averaging Time, Noncarcinogens (AT <sub>NC</sub> )	10,950 days		
Body Weight (BW)	70 kg	$Intake_{dermal} = \frac{(SA)(PC)(ET)(EF)(ED)(CF)}{(BW)(AT)}$	
Exposure Time, Noncarcinogens (ET)	3 hr/event		
Oral Slope Factor Adjusted for GI Absorption (SF <sub>d</sub> )	chemical-specific (mg/kg-day) <sup>-1</sup>		
Oral Reference Dose Adjusted for GI Absorption (RfD <sub>d</sub> )	chemical-specific mg/kg-day		
Conversion Factor (CF)	0.001 L/cm <sup>3</sup>		
Cancer Risk (Risk)	1.E-06 unitless		
Hazard Quotient (HQ)	1 unitless		

Constituents	CAS Number <sup>a/</sup>	PC (cm/hr)	SF (mg/kg-day) <sup>-1 b/</sup>	RfD (mg/kg-day) b/	Intake <sub>oral</sub>		Intake <sub>dermal</sub>		Screening Level (mg/L)	
					C	NC	C	NC	Risk	HQ
									SW Protection Factor	
<b>Organic Constituents</b>									97,353	37,847
Carbon Disulfide	75-15-0	1.14E-02 c	--	1.00E-01 d	3.02E-05	7.05E-05	1.38E-04	2.89E-04	--	1.05E+07
Chlorobenzene	108-90-7	2.82E-02 c	--	2.00E-02 d	3.02E-05	7.05E-05	3.41E-04	7.15E-04	--	9.63E+05
Chloroform	67-66-3	6.83E-03 c	3.10E-02 e	1.00E-02 d	3.02E-05	7.05E-05	8.25E-05	1.73E-04	2.68E+01	1.55E+06
Chrysene	218-01-9	5.96E-01 c	7.30E-03 j	--	3.02E-05	7.05E-05	7.20E-03	1.51E-02	9.83E-02	--
Cis-1,2 Dichloroethene	156-59-2	1.10E-02 c	--	2.00E-03 d	3.02E-05	7.05E-05	1.33E-04	2.79E-04	--	2.17E+05
Dibenzofuran	132-64-9	9.75E-02 c	--	1.00E-03 f	3.02E-05	7.05E-05	1.18E-03	2.47E-03	--	1.49E+04
Di-n-butyl Phthalate	84-74-2	4.20E-02 h	--	1.00E-01 d	3.02E-05	7.05E-05	5.07E-04	1.07E-03	--	3.33E+06
Ethyl Chloride	75-00-3	6.07E-03 c	--	--	3.02E-05	7.05E-05	7.33E-05	1.54E-04	--	--
Ethylbenzene	100-41-4	4.93E-02 c	1.10E-02 e	1.00E-01 d	3.02E-05	7.05E-05	5.95E-04	1.25E-03	1.71E+00	2.87E+06
Fluorene	86-73-7	1.10E-01 c	--	4.00E-02 d	3.02E-05	7.05E-05	1.33E-03	2.79E-03	--	5.29E+05
Methyl Chloride (Chloromethane)	74-87-3	3.28E-03 c	7.50E-03 d	6.00E-02 d	3.02E-05	7.05E-05	3.96E-05	8.32E-05	1.05E+01	1.48E+07
Methyl Ethyl Ketone (2-Butanone)	78-93-3	9.62E-04 c	--	6.00E-01 d	3.02E-05	7.05E-05	1.16E-05	2.44E-05	--	2.39E+08
Methylene Chloride	75-09-2	3.54E-03 c	7.50E-03 d	6.00E-02 d	3.02E-05	7.05E-05	4.28E-05	8.98E-05	1.00E+01	1.42E+07
Naphthalene	91-20-3	4.66E-02 c	--	2.00E-02 d	3.02E-05	7.05E-05	5.63E-04	1.18E-03	--	6.04E+05
Phenanthrene	85-01-8	1.44E-01 c	--	--	3.02E-05	7.05E-05	1.74E-03	3.65E-03	--	--



**Table 2-3**  
**Calculation of the Surface Water Screening Criteria for the Off-Site Recreational User**  
**Carcinogenic and Noncarcinogenic Effects -- Incidental Ingestion and Dermal Contact with Surface Water**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Assumptions		Screening Level (SL) Equations based on Risk and Hazard	
Receptor	Off-Site Recreational User	<b>Carcinogenic:</b>	
Contact Rate (CR)	0.05 L/hr	$SL_{rec} = \frac{Risk}{(Intake_{oral} + Intake_{dermal}) \times SF}$	
Exposure Frequency (EF)	12 events/yr		
Exposure Duration (ED)	30 yrs	<b>Noncarcinogenic:</b>	
Skin Surface Area, Carcinogens (SA <sub>C</sub> )	20,000 cm <sup>2</sup>		
Skin Surface Area, Noncarcinogens (SA <sub>NC</sub> )	18,000 cm <sup>2</sup>	$SL_{rec} = \frac{HQ \times RfD}{Intake_{oral} + Intake_{dermal}}$	
Permeability Constant (PC)	chemical-specific cm/hr		
Averaging Time, Carcinogens (AT <sub>C</sub> )	25,550 days	$Intake_{oral} = \frac{(CR)(ET)(EF)(ED)}{(BW)(AT)}$	
Averaging Time, Noncarcinogens (AT <sub>NC</sub> )	10,950 days		
Body Weight (BW)	70 kg	$Intake_{dermal} = \frac{(SA)(PC)(ET)(EF)(ED)(CF)}{(BW)(AT)}$	
Exposure Time, Noncarcinogens (ET)	3 hr/event		
Oral Slope Factor Adjusted for GI Absorption (SF <sub>a</sub> )	chemical-specific (mg/kg-day) <sup>-1</sup>		
Oral Reference Dose Adjusted for GI Absorption (RfD <sub>a</sub> )	chemical-specific mg/kg-day		
Conversion Factor (CF)	0.001 L/cm <sup>3</sup>		
Cancer Risk (Risk)	1.E-06 unitless		
Hazard Quotient (HQ)	1 unitless		

Constituents	CAS Number <sup>a/</sup>	PC (cm/hr)	SF (mg/kg-day) <sup>-1 b/</sup>	RfD (mg/kg-day) b/	Intake <sub>oral</sub>		Intake <sub>dermal</sub>		Screening Level (mg/L)		
					C	NC	C	NC	Risk	HQ	
									SW Protection Factor		
									97,353	37,847	
<b>Organic Constituents</b>											
Tetrachloroethylene	127-18-4	3.34E-02 c	5.40E-01 e	--	3.02E-05	7.05E-05	4.03E-04	8.47E-04	1.21E+02	--	
Toluene	108-88-3	3.11E-02 c	--	8.00E-02 d	3.02E-05	7.05E-05	3.76E-04	7.89E-04	--	3.52E+06	
Trichloroethene	79-01-6	1.16E-02 c	5.00E-02 d	5.00E-04 d	3.02E-05	7.05E-05	1.40E-04	2.94E-04	2.86E+01	5.19E+04	
Vinyl Chloride	75-01-4	8.38E-03 c	7.20E-01 d	3.00E-03 d	3.02E-05	7.05E-05	1.01E-04	2.13E-04	5.33E+02	4.01E+05	
Xylenes	1330-20-7	4.71E-02 c	--	2.00E-01 d	3.02E-05	7.05E-05	5.69E-04	1.19E-03	--	5.98E+06	
<b>Other Organic Constituents</b>											
Total PCBs	1336-36-3	5.45E-01 c	3.00E+01 e	7.00E-06 i	3.02E-05	7.05E-05	6.58E-03	1.38E-02	4.42E+02	1.91E+01	
Dioxins TEQ (TCDD, 2, 3, 7, 8-)	1746-01-6	8.08E-01 h	1.30E+05 e	1.00E-09 g	3.02E-05	7.05E-05	9.76E-03	2.05E-02	1.29E+06	1.84E-03	
<b>Metals and Inorganics</b>											
Aluminum	7429-90-5	1.00E-03 k	--	1.00E+00 f	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	3.95E+08	
Ammonia	7664-41-7	1.00E-03 k	--	3.40E+01 i	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	1.34E+10	
Antimony	7440-36-0	1.00E-03 k	--	4.00E-04 d	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	1.58E+05	
Arsenic	7440-38-2	1.00E-03 k	1.50E+00 d	3.00E-04 d	3.02E-05	7.045E-05	1.208E-05	2.54E-05	3.45E+03	1.19E+05	
Barium	7440-39-3	1.00E-03 k	--	2.00E-01 d	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	7.90E+07	
Beryllium	7440-41-7	1.00E-03 k	--	2.00E-03 d	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	7.90E+05	

**Table 2-3**  
**Calculation of the Surface Water Screening Criteria for the Off-Site Recreational User**  
**Carcinogenic and Noncarcinogenic Effects -- Incidental Ingestion and Dermal Contact with Surface Water**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Assumptions		Screening Level (SL) Equations based on Risk and Hazard	
Receptor	Off-Site Recreational User	<b>Carcinogenic:</b>	
Contact Rate (CR)	0.05 L/hr	$SL_{rec} = \frac{Risk}{(Intake_{oral} + Intake_{dermal}) \times SF}$	
Exposure Frequency (EF)	12 events/yr		
Exposure Duration (ED)	30 yrs	<b>Noncarcinogenic:</b>	
Skin Surface Area, Carcinogens (SA <sub>C</sub> )	20,000 cm <sup>2</sup>		
Skin Surface Area, Noncarcinogens (SA <sub>NC</sub> )	18,000 cm <sup>2</sup>	$SL_{rec} = \frac{HQ \times RfD}{Intake_{oral} + Intake_{dermal}}$	
Permeability Constant (PC)	chemical-specific cm/hr		
Averaging Time, Carcinogens (AT <sub>C</sub> )	25,550 days	$Intake_{oral} = \frac{(CR)(ET)(EF)(ED)}{(BW)(AT)}$	
Averaging Time, Noncarcinogens (AT <sub>NC</sub> )	10,950 days		
Body Weight (BW)	70 kg	$Intake_{dermal} = \frac{(SA)(PC)(ET)(EF)(ED)(CF)}{(BW)(AT)}$	
Exposure Time, Noncarcinogens (ET)	3 hr/event		
Oral Slope Factor Adjusted for GI Absorption (SF <sub>a</sub> )	chemical-specific (mg/kg-day) <sup>-1</sup>		
Oral Reference Dose Adjusted for GI Absorption (RfD <sub>a</sub> )	chemical-specific mg/kg-day		
Conversion Factor (CF)	0.001 L/cm <sup>3</sup>		
Cancer Risk (Risk)	1.E-06 unitless		
Hazard Quotient (HQ)	1 unitless		

Constituents	CAS Number <sup>a/</sup>	PC (cm/hr)	SF (mg/kg-day) <sup>-1 b/</sup>	RfD (mg/kg-day) b/	Intake <sub>oral</sub>		Intake <sub>dermal</sub>		Screening Level (mg/L)		
					C	NC	C	NC	Risk	HQ	
									SW Protection Factor		
									97,353	37,847	
<b>Organic Constituents</b>											
Cadmium	7440-43-9	1.00E-03 k	--	5.00E-04 d	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	1.98E+05	
Chromium (III) (Soluble Particulates)	16065-83-1	1.00E-03 k	1.50E+00 d	--	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	--	
Cobalt	7440-48-4	4.00E-04 k	--	3.00E-04 f	3.02E-05	7.045E-05	4.831E-06	1.01E-05	--	1.41E+05	
Copper	7440-50-8	1.00E-03 k	--	4.00E-02 i	3.02E-05	7.045E-05	1.208E-05	2.54E-05	--	1.58E+07	
Cyanide	57-12-5	7.54E-04 c	--	2.00E-02 d	3.02E-05	7.045E-05	9.106E-06	1.91E-05	--	8.45E+06	
Iron	7439-89-6	1.00E-03 k	--	7.00E-01 f	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	2.77E+08	
Lead	7439-92-1	1.00E-04 k	8.50E-03 e	--	3.02E-05	7.045E-05	1.21E-06	2.54E-06	2.64E+01	--	
Magnesium	7439-95-4	1.00E-03 k	--	--	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	--	
Manganese	7439-96-5	1.00E-03 k	--	1.40E-01 d	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	5.53E+07	
Mercury	7439-97-6	1.00E-03 k	--	3.00E-04 l	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	1.19E+05	
Nickel (Soluble Salts)	7440-02-0	2.00E-04 k	--	2.00E-02 d	3.02E-05	7.045E-05	2.42E-06	5.07E-06	--	1.00E+07	
Nitrate	14797-55-8	1.00E-03 k	--	1.60E+00 d	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	6.32E+08	
Nitrite	14797-65-0	1.00E-03 k	--	1.00E-01 d	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	3.95E+07	
Selenium	7782-49-2	1.00E-03 k	--	5.00E-03 d	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	1.98E+06	
Silver	7440-22-4	6.00E-04 k	--	5.00E-03 d	3.02E-05	7.045E-05	7.25E-06	1.52E-05	--	2.21E+06	

**Table 2-3**  
**Calculation of the Surface Water Screening Criteria for the Off-Site Recreational User**  
**Carcinogenic and Noncarcinogenic Effects -- Incidental Ingestion and Dermal Contact with Surface Water**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Assumptions		Screening Level (SL) Equations based on Risk and Hazard									
Receptor	Off-Site Recreational User	<b>Carcinogenic:</b>									
Contact Rate (CR)	0.05 L/hr	$SL_{rec} = \frac{Risk}{(Intake_{oral} + Intake_{dermal}) \times SF}$									
Exposure Frequency (EF)	12 events/yr										
Exposure Duration (ED)	30 yrs	<b>Noncarcinogenic:</b>									
Skin Surface Area, Carcinogens (SA <sub>C</sub> )	20,000 cm <sup>2</sup>	$SL_{rec} = \frac{HQ \times RfD}{Intake_{oral} + Intake_{dermal}}$									
Skin Surface Area, Noncarcinogens (SA <sub>NC</sub> )	18,000 cm <sup>2</sup>										
Permeability Constant (PC)	chemical-specific cm/hr	$Intake_{oral} = \frac{(CR)(ET)(EF)(ED)}{(BW)(AT)}$									
Averaging Time, Carcinogens (AT <sub>C</sub> )	25,550 days										
Averaging Time, Noncarcinogens (AT <sub>NC</sub> )	10,950 days	$Intake_{dermal} = \frac{(SA)(PC)(ET)(EF)(ED)(CF)}{(BW)(AT)}$									
Body Weight (BW)	70 kg										
Exposure Time, Noncarcinogens (ET)	3 hr/event										
Oral Slope Factor Adjusted for GI Absorption (SF <sub>a</sub> )	chemical-specific (mg/kg-day) <sup>-1</sup>										
Oral Reference Dose Adjusted for GI Absorption (RfD <sub>a</sub> )	chemical-specific mg/kg-day										
Conversion Factor (CF)	0.001 L/cm <sup>3</sup>										
Cancer Risk (Risk)	1.E-06 unitless										
Hazard Quotient (HQ)	1 unitless										
										Screening Level (mg/L)	
										Risk	HQ
										SW Protection Factor	
Constituents	CAS Number <sup>a</sup>	PC (cm/hr)	SF (mg/kg-day) <sup>-1 b</sup>	RfD (mg/kg-day) <sup>b</sup>	Intake <sub>oral</sub>		Intake <sub>dermal</sub>		97,353	37,847	
					C	NC	C	NC			
<b>Organic Constituents</b>											
Thallium	7440-28-0	1.00E-03 k	--	1.00E-05 f	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	3.95E+03	
Titanium	7440-32-6	1.00E-03 k	--	--	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	--	
Vanadium	7440-62-2	1.00E-03 k	--	5.00E-03 g	3.02E-05	7.045E-05	1.21E-05	2.54E-05	--	1.98E+06	
Zinc	7440-66-6	6.00E-04 k	--	3.00E-01 d	3.02E-05	7.045E-05	7.25E-06	1.52E-05	--	1.33E+08	

a) CAS = Chemical Abstracts Service number.

b) mg/kg-day = milligram per kilogram-day.

c) The Estimation Programs Interface (EPI) Suite™, USEPA.

d) USEPA Integrated Risk Information System (IRIS)

e) California Environmental Protection Agency (CALEPA)

f) Provisional Peer Reviewed Toxicity Value (PPRTV)

g) Agency for Toxic Substances and Disease Registry (ATSDR)

h) The Risk Assessment Information System (RAIS)

i) Health Effects Assessment Summary Tables (HEAST)

j) Environmental Criteria and Assessment Office (ECAO)

k) Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment.

l) Surrogate: Mercuric Chloride (IRIS).

-- = toxicity data not available.

**Table 2-4**  
**Surface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
ORO >C28 - C35	MG/KG	18	17	0	0	123.97	450	S20SB07	17-May-10	3000	DNREC, 2000
ACETONE	UG/KG	46	33	0	0	25.64	100	S18SB02	24-Apr-08	630000000	EPA_SL_IndSoil_05/13
CARBON DISULFIDE	UG/KG	43	9	0	0	0.90	4	S01SB09	12-May-10	3700000	EPA_SL_IndSoil_05/13
ETHYL CHLORIDE	UG/KG	43	1	0	0	1.05	3	S01SB06	29-Apr-08	61000000	EPA_SL_IndSoil_05/13
METHYL CHLORIDE	UG/KG	43	2	0	0	1.16	7	S01SB06	29-Apr-08	500000	EPA_SL_IndSoil_05/13
METHYL ETHYL KETONE	UG/KG	43	6	0	0	2.77	15	S18SB02	24-Apr-08	200000000	EPA_SL_IndSoil_05/13
TETRACHLOROETHYLENE	UG/KG	43	6	0	0	0.93	8	S05SB16	10-Jun-10	110000	EPA_SL_IndSoil_05/13
TRICHLOROETHENE	UG/KG	43	1	0	0	0.50	1	S05SB16	10-Jun-10	6400	EPA_SL_IndSoil_05/13
2-METHYLNAPHTHALENE	UG/KG	56	3	0	0	1986.51	110000	S04SB06	02-May-08	2200000	EPA_SL_IndSoil_05/13
ACENAPHTHENE	UG/KG	60	6	0	0	180.33	7800	S04SB06	02-May-08	33000000	EPA_SL_IndSoil_05/13
ACENAPHTHYLENE#	UG/KG	59	4	0	0	79.21	2000	S04SB06	02-May-08	33000000	EPA_SL_IndSoil_05/13
ANTHRACENE	UG/KG	60	14	0	0	205.32	5000	S01SB11	11-Jun-10	170000000	EPA_SL_IndSoil_05/13
BENZO(A)ANTHRACENE	UG/KG	60	24	1	1	340.95	12000	S01SB11	11-Jun-10	2100	EPA_SL_IndSoil_05/13
BENZO(B)FLUORANTHENE	UG/KG	60	28	2	2	345.90	11000	S01SB11	11-Jun-10	2100	EPA_SL_IndSoil_05/13
BENZO(G,H)PERYLENE#	UG/KG	59	24	0	0	161.34	4400	S01SB11	11-Jun-10	210000	EPA_SL_IndSoil_05/13
BENZO(K)FLUORANTHENE	UG/KG	60	21	0	0	134.95	3800	S01SB11	11-Jun-10	21000	EPA_SL_IndSoil_05/13
BENZO(A)PYRENE	UG/KG	60	25	9	9	266.73	9100	S01SB11	11-Jun-10	210	EPA_SL_IndSoil_05/13
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	56	10	0	0	67.31	570	S05SB04	02-Jun-08	120000	EPA_SL_IndSoil_05/13
BUTYL BENZYL PHTHALATE	UG/KG	56	3	0	0	49.97	160	S04SB04	01-May-08	910000	EPA_SL_IndSoil_05/13
CARBAZOLE	UG/KG	56	8	0	0	81.55	2800	S04SB06	02-May-08	95800	RAIS PRGs
CHRYSENE	UG/KG	60	26	0	0	314.67	10000	S01SB11	11-Jun-10	210000	EPA_SL_IndSoil_05/13
DIBENZ(A,H)ANTHRACENE	UG/KG	59	7	2	2	56.11	1500	S01SB11	11-Jun-10	210	EPA_SL_IndSoil_05/13
DIBENZOFURAN	UG/KG	56	5	0	0	166.40	7200	S04SB06	02-May-08	1000000	EPA_SL_IndSoil_05/13
DIETHYL PHTHALATE	UG/KG	56	1	0	0	44.48	87	S05SB11	06-May-10	490000000	EPA_SL_IndSoil_05/13
FLUORANTHENE	UG/KG	60	33	0	0	766.29	27000	S01SB11	11-Jun-10	22000000	EPA_SL_IndSoil_05/13
FLUORENE	UG/KG	60	7	0	0	296.95	14000	S04SB06	02-May-08	22000000	EPA_SL_IndSoil_05/13
HEXACHLOROBENZENE	UG/KG	56	16	0	0	57.22	570	S04SB16	10-May-10	1100	EPA_SL_IndSoil_05/13
INDENO (1,2,3-CD) PYRENE	UG/KG	60	21	1	1	151.08	4500	S01SB11	11-Jun-10	2100	EPA_SL_IndSoil_05/13
NAPHTHALENE	UG/KG	60	3	0	0	269.59	15000	S04SB06	02-May-08	18000	EPA_SL_IndSoil_05/13
N-NITROSODIPHENYLAMINE	UG/KG	56	4	0	0	293.45	15000	S04SB06	02-May-08	350000	EPA_SL_IndSoil_05/13
PHENANTHRENE#	UG/KG	60	23	0	0	1016.25	34000	S04SB06	02-May-08	170000000	EPA_SL_IndSoil_05/13
PYRENE	UG/KG	60	33	0	0	683.86	22000	S01SB11	11-Jun-10	17000000	EPA_SL_IndSoil_05/13
1,2,3,4,6,7,8-HPCDD	MG/KG	36	36	0	0	0.0001	0.000378	S05SB06	19-May-08		
1,2,3,4,6,7,8-HPCDF	MG/KG	36	35	0	0	0.00003	0.000259	S05SB06	19-May-08		
1,2,3,4,7,8,9-HPCDF	MG/KG	36	31	0	0	0.00001	0.0000318	S05SB04	02-Jun-08		
1,2,3,4,7,8-HXCDD	MG/KG	36	29	0	0	0.000001	0.0000108	S05SB06	19-May-08		
1,2,3,4,7,8-HXCDF	MG/KG	36	32	0	0	0.00001	0.000065	S05SB06	19-May-08		
1,2,3,6,7,8-HXCDD	MG/KG	36	32	0	0	0.000003	0.0000223	S05SB06	19-May-08		
1,2,3,6,7,8-HXCDF	MG/KG	36	30	0	0	0.000004	0.00005	S05SB06	19-May-08		
1,2,3,7,8,9-HXCDD	MG/KG	36	32	0	0	0.000003	0.0000168	S05SB06	19-May-08		
1,2,3,7,8,9-HXCDF	MG/KG	36	19	0	0	0.000001	0.0000185	S05SB06	19-May-08		
1,2,3,7,8-PECDD	MG/KG	36	26	0	0	0.000001	0.00000981	S05SB06	19-May-08		
1,2,3,7,8-PECDF	MG/KG	36	28	0	0	0.000002	0.0000253	S05SB06	19-May-08		
2,3,4,6,7,8-HXCDF	MG/KG	36	28	0	0	0.000004	0.0000554	S05SB06	19-May-08		
2,3,4,7,8-PECDF	MG/KG	36	28	0	0	0.000003	0.0000413	S05SB06	19-May-08		
2,3,7,8-TCDD	MG/KG	36	21	0	0	0.0000003	0.00000221	S05SB06	19-May-08	0.000018	EPA_SL_IndSoil_05/13
2,3,7,8-TCDF	MG/KG	36	31	0	0	0.000002	0.0000227	S05SB06	19-May-08		
HPCDDs	MG/KG	30	30	0	0	0.0003	0.000761	S05SB06	19-May-08		
HXCDDs	MG/KG	30	30	0	0	0.00007	0.000284	S05SB06	19-May-08		
HXCDFs	MG/KG	30	28	0	0	0.00004	0.000481	S05SB06	19-May-08		

**Table 2-4**  
**Surface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
OCDD	MG/KG	36	36	0	0	0.0059	0.0212	S18SB02	24-Apr-08		
OCDF	MG/KG	35	34	0	0	0.00061	0.00428	S05SB03	02-Jun-08		
TCDDDS	MG/KG	36	33	0	0	0.00001	0.0000918	S05SB06	19-May-08		
TCDFS	MG/KG	36	34	0	0	0.00003	0.000431	S05SB06	19-May-08		
TOTAL HPCDD	MG/KG	6	6	0	0	0.00022	0.000362	S05SB16	10-Jun-10		
TOTAL HPCDF	MG/KG	5	5	0	0	0.00007	0.000185	S05SB16	10-Jun-10		
TOTAL HXCDD	MG/KG	6	6	0	0	0.0001	0.000128	S05SB11	06-May-10		
TOTAL HXCDF	MG/KG	6	6	0	0	0.00003	0.0000739	S05SB16	10-Jun-10		
TOTAL PECDD	MG/KG	6	6	0	0	0.00002	0.0000352	S05SB11	06-May-10		
TOTAL PECDDS	MG/KG	30	28	0	0	0.00002	0.000161	S05SB06	19-May-08		
TOTAL PECDF	MG/KG	6	6	0	0	0.00002	0.0000597	S05SB11	06-May-10		
TOTAL PECDFS	MG/KG	30	27	0	0	0.00003	0.000453	S05SB06	19-May-08		
PCB 1	MG/KG	33	19	0	0	0.00001	0.000145	S05SB15	07-May-10		
PCB 10	MG/KG	39	10	0	0	0.00000	0.0000079	S05SB15	07-May-10		
PCB 102	MG/KG	39	28	0	0	0.0001	0.00469	S05SB06	19-May-08		
PCB 103	MG/KG	39	22	0	0	0.00003	0.000794	S05SB06	19-May-08		
PCB 104	MG/KG	39	2	0	0	0.0000002	0.00000335	S05SB06	19-May-08		
PCB 105	MG/KG	37	36	0	0	0.0030	0.0864	S05SB06	19-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 106	MG/KG	39	1	0	0	0.0000002	1.13E-08	S01SB03	28-Apr-08		
PCB 109	MG/KG	39	31	0	0	0.0004	0.0128	S05SB06	19-May-08		
PCB 11	MG/KG	8	8	0	0	0.00004	0.000102	S13SB06	27-May-08		
PCB 110	MG/KG	36	36	0	0	0.01	0.26	S05SB06	19-May-08		
PCB 111	MG/KG	39	4	0	0	0.0000003	0.00000119	S05SB03	02-Jun-08		
PCB 112	MG/KG	39	1	0	0	0.0000003	7.45E-07	S16SB01	25-Apr-08		
PCB 114	MG/KG	39	26	0	0	0.0002	0.00518	S05SB06	19-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 115	MG/KG	39	4	0	0	0.00002	0.00066	S05SB04	02-Jun-08		
PCB 117	MG/KG	39	25	0	0	0.0002	0.00521	S05SB06	19-May-08		
PCB 118	MG/KG	36	36	0	0	0.01	0.201	S05SB06	19-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 120	MG/KG	39	9	0	0	0.000001	0.00000727	S05SB03	02-Jun-08		
PCB 121	MG/KG	39	2	0	0	0.0000003	7.71E-07	S05SB03	02-Jun-08		
PCB 122	MG/KG	39	26	0	0	0.000082	0.00247	S05SB06	19-May-08		
PCB 123	MG/KG	39	30	0	0	0.0001	0.00342	S05SB06	19-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 126	MG/KG	39	26	1	1	0.000007	0.000148	S05SB06	19-May-08	0.00011	EPA_SL_IndSoil_05/13
PCB 127	MG/KG	39	1	0	0	0.0000003	0.00000215	S05SB01	20-May-08		
PCB 130	MG/KG	39	36	0	0	0.0005	0.0138	S05SB06	19-May-08		
PCB 131	MG/KG	39	31	0	0	0.0001	0.00362	S05SB06	19-May-08		
PCB 132	MG/KG	38	37	0	0	0.002	0.0681	S05SB06	19-May-08		
PCB 133	MG/KG	39	31	0	0	0.000076	0.00198	S05SB06	19-May-08		
PCB 134	MG/KG	39	33	0	0	0.0005	0.013	S05SB06	19-May-08		
PCB 136	MG/KG	39	38	0	0	0.0008	0.0233	S05SB06	19-May-08		
PCB 137	MG/KG	39	32	0	0	0.0005	0.0148	S05SB06	19-May-08		
PCB 14	MG/KG	39	3	0	0	0.0000003	0.00000105	S05SB03	02-Jun-08		
PCB 141	MG/KG	39	37	0	0	0.001	0.0293	S05SB06	19-May-08		
PCB 143	MG/KG	39	7	0	0	0.000001	0.0000156	S05SB15	07-May-10		
PCB 144	MG/KG	39	34	0	0	0.0003	0.00694	S05SB06	19-May-08		
PCB 145	MG/KG	39	6	0	0	0.000004	0.000145	S05SB06	19-May-08		
PCB 146	MG/KG	39	37	0	0	0.0008	0.0203	S05SB06	19-May-08		
PCB 148	MG/KG	39	11	0	0	0.000003	0.0000874	S05SB06	19-May-08		
PCB 15	MG/KG	30	26	0	0	0.000087	0.000892	S05SB15	07-May-10		

**Table 2-4**  
**Surface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 150	MG/KG	39	14	0	0	0.000006	0.000183	S05SB06	19-May-08		
PCB 152	MG/KG	39	14	0	0	0.000008	0.000236	S05SB06	19-May-08		
PCB 154	MG/KG	39	26	0	0	0.000047	0.00131	S05SB06	19-May-08		
PCB 158	MG/KG	39	38	0	0	0.000848	0.0241	S05SB06	19-May-08		
PCB 159	MG/KG	39	21	0	0	0.000023	0.000468	S05SB06	19-May-08		
PCB 16	MG/KG	26	22	0	0	0.000041	0.000302	S05SB04	02-Jun-08		
PCB 162	MG/KG	39	24	0	0	0.00003	0.000869	S05SB06	19-May-08		
PCB 164	MG/KG	39	38	0	0	0.00046	0.0121	S05SB06	19-May-08		
PCB 165	MG/KG	39	2	0	0	0.000001	7.69E-07	S05SB03	02-Jun-08		
PCB 167	MG/KG	39	36	0	0	0.0004	0.0107	S05SB06	19-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 169	MG/KG	39	17	0	0	0.00001	0.0000966	S05SB06	19-May-08	0.00038	EPA_SL_IndSoil_05/13
PCB 17	MG/KG	25	24	0	0	0.00004	0.000287	S05SB04	02-Jun-08		
PCB 170	MG/KG	39	38	0	0	0.001	0.0205	S05SB06	19-May-08		
PCB 172	MG/KG	39	36	0	0	0.0002	0.00298	S05SB06	19-May-08		
PCB 174	MG/KG	39	38	0	0	0.0008	0.0145	S05SB06	19-May-08		
PCB 175	MG/KG	39	31	0	0	0.00004	0.000692	S05SB06	19-May-08		
PCB 176	MG/KG	39	38	0	0	0.0001	0.00204	S05SB06	19-May-08		
PCB 177	MG/KG	39	38	0	0	0.0005	0.00872	S05SB06	19-May-08		
PCB 178	MG/KG	39	38	0	0	0.0001	0.00239	S05SB06	19-May-08		
PCB 179	MG/KG	39	38	0	0	0.0003	0.00514	S05SB06	19-May-08		
PCB 181	MG/KG	39	19	0	0	0.00002	0.00049	S05SB06	19-May-08		
PCB 182	MG/KG	39	11	0	0	0.00001	0.000187	S05SB06	19-May-08		
PCB 183	MG/KG	39	38	0	0	0.0005	0.00883	S05SB06	19-May-08		
PCB 184	MG/KG	39	5	0	0	0.000001	0.0000246	S05SB06	19-May-08		
PCB 185	MG/KG	39	33	0	0	0.0001	0.0014	S05SB06	19-May-08		
PCB 186	MG/KG	39	1	0	0	0.000001	0.0000179	S05SB06	19-May-08		
PCB 187	MG/KG	39	39	0	0	0.0009	0.014	S05SB06	19-May-08		
PCB 188	MG/KG	39	11	0	0	0.000001	0.0000152	S05SB06	19-May-08		
PCB 189	MG/KG	39	34	0	0	0.000043	0.000967	S05SB06	19-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 19	MG/KG	33	27	0	0	0.000016	0.00013	S05SB15	07-May-10		
PCB 190	MG/KG	39	36	0	0	0.0002	0.00336	S05SB06	19-May-08		
PCB 191	MG/KG	39	31	0	0	0.00004	0.000789	S05SB06	19-May-08		
PCB 194	MG/KG	39	39	0	0	0.0003	0.00366	S05SB06	19-May-08		
PCB 195	MG/KG	39	37	0	0	0.0001	0.00142	S05SB06	19-May-08		
PCB 196	MG/KG	39	38	0	0	0.0001	0.00198	S05SB06	19-May-08		
PCB 197	MG/KG	39	32	0	0	0.00001	0.000113	S05SB06	19-May-08		
PCB 2	MG/KG	38	32	0	0	0.00001	0.0000889	S05SB06	19-May-08		
PCB 200	MG/KG	39	36	0	0	0.00004	0.000506	S05SB06	19-May-08		
PCB 201	MG/KG	39	36	0	0	0.00004	0.000478	S05SB06	19-May-08		
PCB 202	MG/KG	39	36	0	0	0.0001	0.000701	S05SB06	19-May-08		
PCB 203	MG/KG	39	38	0	0	0.0002	0.00264	S05SB06	19-May-08		
PCB 204	MG/KG	39	3	0	0	0.0000002	0.00000103	S04SB05	01-May-08		
PCB 205	MG/KG	39	34	0	0	0.00001	0.000169	S05SB06	19-May-08		
PCB 206	MG/KG	39	37	0	0	0.0004	0.00206	S05SB06	19-May-08		
PCB 207	MG/KG	39	36	0	0	0.00003	0.000186	S05SB06	19-May-08		
PCB 208	MG/KG	39	37	0	0	0.0001	0.000668	S05SB08	19-May-08		
PCB 209	MG/KG	39	39	0	0	0.0028	0.0156	S05SB16	10-Jun-10		
PCB 22	MG/KG	28	27	0	0	0.0001	0.000476	S05SB04	02-Jun-08		
PCB 23	MG/KG	39	3	0	0	0.0000003	0.00000138	S05SB15	07-May-10		

**Table 2-4**  
**Surface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average^	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 24	MG/KG	39	16	0	0	0.0000009	0.00000887	S05SB04	02-Jun-08		
PCB 25	MG/KG	30	24	0	0	0.00001	0.00012	S05SB04	02-Jun-08		
PCB 27	MG/KG	34	27	0	0	0.00001	0.0000656	S05SB04	02-Jun-08		
PCB 3	MG/KG	34	28	0	0	0.00002	0.000233	S05SB15	07-May-10		
PCB 31	MG/KG	24	24	0	0	0.0002	0.00143	S05SB06	19-May-08		
PCB 32	MG/KG	28	28	0	0	0.00005	0.000329	S05SB04	02-Jun-08		
PCB 34	MG/KG	39	10	0	0	0.000001	0.0000064	S05SB04	02-Jun-08		
PCB 35	MG/KG	39	26	0	0	0.000004	0.000036	S05SB06	19-May-08		
PCB 36	MG/KG	39	1	0	0	0.0000002	0.00000173	S13SB06	27-May-08		
PCB 37	MG/KG	36	35	0	0	0.0001	0.00142	S05SB15	07-May-10		
PCB 38	MG/KG	39	2	0	0	0.0000003	0.00000368	S05SB15	07-May-10		
PCB 39	MG/KG	39	13	0	0	0.0000015	0.0000207	S05SB06	19-May-08		
PCB 4	MG/KG	25	20	0	0	0.00002	0.000178	S05SB15	07-May-10		
PCB 41	MG/KG	35	29	0	0	0.00001	0.000112	S05SB15	07-May-10		
PCB 42	MG/KG	36	32	0	0	0.0001	0.00204	S05SB06	19-May-08		
PCB 43	MG/KG	39	20	0	0	0.00001	0.000195	S05SB06	19-May-08		
PCB 45	MG/KG	36	31	0	0	0.0001	0.000506	S05SB04	02-Jun-08		
PCB 46	MG/KG	39	33	0	0	0.00002	0.000229	S05SB06	19-May-08		
PCB 48	MG/KG	31	28	0	0	0.0001	0.00091	S05SB06	19-May-08		
PCB 5	MG/KG	28	13	0	0	0.000002	0.0000107	S05SB15	07-May-10		
PCB 51	MG/KG	34	29	0	0	0.00001	0.000136	S05SB04	02-Jun-08		
PCB 52	MG/KG	31	31	0	0	0.004	0.0937	S05SB06	19-May-08		
PCB 54	MG/KG	39	18	0	0	0.000001	0.00000818	S05SB04	02-Jun-08		
PCB 55	MG/KG	39	10	0	0	0.000002	0.0000252	S05SB15	07-May-10		
PCB 56	MG/KG	37	35	0	0	0.00039	0.00769	S05SB06	19-May-08		
PCB 57	MG/KG	39	6	0	0	0.000001	0.00000467	S05SB15	07-May-10		
PCB 58	MG/KG	39	3	0	0	0.000001	0.00000689	S05SB15	07-May-10		
PCB 6	MG/KG	25	21	0	0	0.00002	0.000114	S05SB15	07-May-10		
PCB 60	MG/KG	39	33	0	0	0.00013	0.00313	S05SB06	19-May-08		
PCB 63	MG/KG	39	27	0	0	0.00003	0.000711	S05SB06	19-May-08		
PCB 64	MG/KG	34	33	0	0	0.00043	0.00978	S05SB06	19-May-08		
PCB 66	MG/KG	35	34	0	0	0.00086	0.0203	S05SB06	19-May-08		
PCB 67	MG/KG	39	21	0	0	0.000004	0.0000444	S05SB04	02-Jun-08		
PCB 68	MG/KG	39	17	0	0	0.000002	0.0000165	S05SB04	02-Jun-08		
PCB 7	MG/KG	39	24	0	0	0.000002	0.0000188	S05SB15	07-May-10		
PCB 72	MG/KG	39	18	0	0	0.000002	0.0000245	S05SB04	02-Jun-08		
PCB 73	MG/KG	39	8	0	0	0.0000004	0.00000586	S05SB15	07-May-10		
PCB 77	MG/KG	38	36	0	0	0.00007	0.000618	S01SB02	28-Apr-08	0.11	EPA_SL_IndSoil_05/13
PCB 78	MG/KG	39	2	0	0	0.000001	0.00000116	S05SB03	02-Jun-08		
PCB 79	MG/KG	39	21	0	0	0.00004	0.00114	S05SB06	19-May-08		
PCB 8	MG/KG	25	23	0	0	0.00008	0.000658	S05SB15	07-May-10		
PCB 80	MG/KG	39	1	0	0	0.000001	0.00000322	S04SB05	01-May-08		
PCB 81	MG/KG	39	9	0	0	0.000002	0.0000266	S05SB15	07-May-10	0.038	EPA_SL_IndSoil_05/13
PCB 82	MG/KG	39	31	0	0	0.0009	0.0279	S05SB06	19-May-08		
PCB 83	MG/KG	39	31	0	0	0.00034	0.00987	S05SB06	19-May-08		
PCB 84	MG/KG	37	36	0	0	0.002	0.0638	S05SB06	19-May-08		
PCB 88	MG/KG	39	3	0	0	0.00000	0.00000218	S16SB01	25-Apr-08		
PCB 89	MG/KG	39	23	0	0	0.00005	0.00155	S05SB06	19-May-08		
PCB 9	MG/KG	24	18	0	0	0.00000	0.0000272	S05SB15	07-May-10		

**Table 2-4**  
**Surface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 91	MG/KG	39	36	0	0	0.00082	0.0251	S05SB06	19-May-08		
PCB 92	MG/KG	39	34	0	0	0.001	0.0372	S05SB06	19-May-08		
PCB 94	MG/KG	39	21	0	0	0.00002	0.000632	S05SB06	19-May-08		
PCB 95	MG/KG	35	35	0	0	0.00631	0.177	S05SB06	19-May-08		
PCB 96	MG/KG	39	28	0	0	0.00004	0.00126	S05SB06	19-May-08		
PCB 98	MG/KG	39	1	0	0	0.0000004	0.00000146	S16SB01	25-Apr-08		
PCB 99	MG/KG	35	33	0	0	0.003	0.0919	S05SB06	19-May-08		
PCB-100/93	MG/KG	39	22	0	0	0.00003	0.000807	S05SB06	19-May-08		
PCB-107/124	MG/KG	39	30	0	0	0.00029	0.00879	S05SB06	19-May-08		
PCB-108/119/86/97/125/87	MG/KG	32	31	0	0	0.01	0.164	S05SB06	19-May-08		
PCB-113/90/101	MG/KG	33	33	0	0	0.01	0.221	S05SB06	19-May-08		
PCB-116/85	MG/KG	39	32	0	0	0.001	0.0337	S05SB06	19-May-08		
PCB-128/166	MG/KG	39	38	0	0	0.002	0.0477	S05SB06	19-May-08		
PCB-13/12	MG/KG	39	29	0	0	0.00001	0.0000816	S05SB06	19-May-08		
PCB-139/140	MG/KG	39	32	0	0	0.00015	0.00441	S05SB06	19-May-08		
PCB-147/149	MG/KG	39	39	0	0	0.004	0.111	S05SB06	19-May-08		
PCB-151/135	MG/KG	38	38	0	0	0.002	0.0378	S05SB06	19-May-08		
PCB-153/168	MG/KG	36	36	0	0	0.005	0.119	S05SB06	19-May-08		
PCB-156/157	MG/KG	39	37	0	0	0.001	0.0343	S05SB06	19-May-08		
PCB-163/138/129	MG/KG	36	36	0	0	0.01	0.216	S05SB06	19-May-08		
PCB-171/173	MG/KG	39	37	0	0	0.0003	0.00678	S05SB06	19-May-08		
PCB-180/193	MG/KG	39	39	0	0	0.0017	0.0316	S05SB06	19-May-08		
PCB-198/199	MG/KG	39	39	0	0	0.0004	0.00454	S05SB06	19-May-08		
PCB-21/33	MG/KG	27	27	0	0	0.0001	0.000723	S05SB15	07-May-10		
PCB-26/29	MG/KG	28	25	0	0	0.00003	0.000214	S05SB04	02-Jun-08		
PCB-28/20	MG/KG	24	24	0	0	0.0002	0.00161	S05SB04	02-Jun-08		
PCB-30/18	MG/KG	21	21	0	0	0.0001	0.000684	S05SB04	02-Jun-08		
PCB-44/47/65	MG/KG	31	31	0	0	0.002	0.0347	S05SB06	19-May-08		
PCB-50/53	MG/KG	37	34	0	0	0.0001	0.00163	S05SB06	19-May-08		
PCB-59/62/75	MG/KG	39	33	0	0	0.00003	0.000251	S05SB06	19-May-08		
PCB-61/70/74/76	MG/KG	35	35	0	0	0.003	0.0926	S05SB06	19-May-08		
PCB-69/49	MG/KG	32	32	0	0	0.001	0.0168	S05SB06	19-May-08		
PCB-71/40	MG/KG	33	30	0	0	0.0003	0.00424	S05SB06	19-May-08		
TOTAL PCBs	MG/KG										
DIOXIN TEQ*	MG/KG						9.37E-05			0.02	USEPA, 1998
TOTAL DICHLOROBIPHENYLS	MG/KG	18	18	0	0	0.0004	0.00203	S05SB15	07-May-10		
TOTAL HEPTACHLOROBIPHENYLS	MG/KG	39	39	0	0	0.01	0.125	S05SB06	19-May-08		
TOTAL HEXACHLOROBIPHENYLS	MG/KG	39	39	0	0	0.03	0.816	S05SB06	19-May-08		
TOTAL MONOCHLOROBIPHENYLS	MG/KG	35	31	0	0	0.00003	0.000411	S05SB15	07-May-10		
TOTAL NONACHLOROBIPHENYLS	MG/KG	39	37	0	0	0.0005	0.00271	S05SB06	19-May-08		
TOTAL OCTACHLOROBIPHENYLS	MG/KG	39	39	0	0	0.0014	0.0162	S05SB06	19-May-08		
TOTAL PENTACHLOROBIPHENYLS	MG/KG	33	33	0	0	0.06	1.45	S05SB06	19-May-08		
TOTAL TETRACHLOROBIPHENYLS	MG/KG	33	33	0	0	0.01	0.291	S05SB06	19-May-08		
TOTAL TRICHLOROBIPHENYLS	MG/KG	24	24	0	0	0.001	0.00733	S05SB04	02-Jun-08		
ALUMINUM	MG/KG	60	60	0	0	14024.17	45700	S01SB08	12-May-10	990000	EPA_SL_IndSoil_05/13
ANTIMONY	MG/KG	60	18	0	0	1.53	9.53	S05SB03	02-Jun-08	410	EPA_SL_IndSoil_05/13
ARSENIC	MG/KG	60	57	47	47	3.24	8.03	S16SB03	25-Apr-08	11	Background level
BARIUM	MG/KG	60	60	0	0	61.13	152	S21SB02	21-May-08	190000	EPA_SL_IndSoil_05/13
BERYLLIUM	MG/KG	60	59	0	0	0.55	1.22	S01SB09	12-May-10	2000	EPA_SL_IndSoil_05/13



**Table 2-4**  
**Surface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>^</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
CADMIUM	MG/KG	60	49	0	0	0.47	1.85	S18SB02	24-Apr-08	800	EPA_SL_IndSoil_05/13
CALCIUM	MG/KG	60	60	0	0	3881.33	46900	S04SB13	11-May-10		
CHROMIUM	MG/KG	60	60	0	0	38.73	377	S04SB14	10-May-10	1500000	EPA_SL_IndSoil_05/13
COBALT	MG/KG	60	57	0	0	6.32	33.3	S18SB02	24-Apr-08	300	EPA_SL_IndSoil_05/13
COPPER	MG/KG	60	60	0	0	304.09	7500	S01SB06	29-Apr-08	41000	EPA_SL_IndSoil_05/13
IRON	MG/KG	60	60	0	0	23149.67	59300	S18SB02	24-Apr-08	720000	EPA_SL_IndSoil_05/13
LEAD	MG/KG	60	60	0	0	63.6	663	S05SB06	19-May-08	800	EPA_SL_IndSoil_05/13
MAGNESIUM	MG/KG	60	60	0	0	2599	12000	S04SB10	10-May-10	NA	
MANGANESE	MG/KG	60	60	0	0	258.32	4030	S04SB14	10-May-10	23000	EPA_SL_IndSoil_05/13
MERCURY	MG/KG	60	48	0	0	0.14	2.06	S05SB06	19-May-08	43	EPA_SL_IndSoil_05/13
NICKEL	MG/KG	60	60	0	0	14.85	40	S21SB02	21-May-08	20000	EPA_SL_IndSoil_05/13
POTASSIUM	MG/KG	60	60	0	0	1333.02	4340	S21SB02	21-May-08	NA	
SELENIUM	MG/KG	57	2	0	0	0.58	1.5	S04SB14	10-May-10	5100	EPA_SL_IndSoil_05/13
SILVER	MG/KG	51	26	0	0	0.33	2	S01SB06	29-Apr-08	5100	EPA_SL_IndSoil_05/13
SODIUM	MG/KG	57	51	0	0	185.95	1570	S25SB01	18-May-10	NA	
THALLIUM	MG/KG	57	13	0	0	0.57	1.91	S05SB17	18-Jun-10	10	EPA_SL_IndSoil_05/13
TITANIUM*	MG/KG	42	42	0	0	1239.74	3780	S01SB06	29-Apr-08		
VANADIUM	MG/KG	60	60	0	0	100.93	1470	S01SB09	12-May-10	5100	EPA_SL_IndSoil_05/13
ZINC	MG/KG	60	60	0	0	54.51	171	S05SB06	19-May-08	310000	EPA_SL_IndSoil_05/13
C19 to C36 Aliphatics	MG/KG	1	1	0	0	200	200	S17SBTMW0	13-May-08		
TOTAL ORGANIC CARBON	MG/KG	56	23	0	0	2310.51	16000	S05SB06	19-May-08		
TPH-DRO	MG/KG	3	2	0	0	215.45	630	S17SBTMW0	13-May-08		
HPCDFS	MG/KG	30	29	0	0	0.0001	0.000414	S05SB06	19-May-08		

Highlighted concentrations exceed the screening levels and were identified as chemicals of potential concern.

<sup>^</sup> Average was calculated using the detected concentrations and 1/2 of the detection limits for non-detected concentrations.

\* see Table B-3 in Appendix B for calculations.

DNREC, 2000 - Actions levels from the DERBCAP, Delaware Risk-Based Corrective Action Program Guide for Underground Storage Tank (UST) Sites.

EPA\_SL\_IndSoil\_05/13 - USEPA Regional Screening levels for Industrial Soil dated 05/2013.

Background level - DNREC default background remediation standard

NA - Not applicable. Calcium, potassium, sodium, and magnesium are essential nutrients and the screening levels are not applicable to these chemicals.

RAIS PRG - Risk Assessment Informaiton System Preliminary Remedial Goal.

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
DRO C10-C28	MG/KG	1	1	0	0	6.30	6.3	S17SB06	19-May-10	1000	DNREC, 2000
ORO >C28 - C35	MG/KG	17	4	1	1	433.20	4500	S20SB06	17-May-10	3000	DNREC, 2000
1,4-DICHLOROBENZENE	UG/KG	70	1	0	0	24.11	310	S05SB09	20-May-08	12000	EPA_SL_IndSoil_05/13
2-HEXANONE	UG/KG	63	1	0	0	2.83	5	S01SB06	29-Apr-08	1400000	EPA_SL_IndSoil_05/13
ACETONE	UG/KG	64	41	0	0	18.47	83	S05SB03	02-Jun-08	630000000	EPA_SL_IndSoil_05/13
BENZENE	UG/KG	69	3	0	0	0.958	34	S01SB10	13-May-10	5400	EPA_SL_IndSoil_05/13
CARBON DISULFIDE	UG/KG	63	15	0	0	1.417	9	S05SB09	20-May-08	3700000	EPA_SL_IndSoil_05/13
CARBON TETRACHLORIDE	UG/KG	63	1	0	0	1.495	39	S05SB10	03-Jun-08	3000	EPA_SL_IndSoil_05/13
CHLOROBENZENE	UG/KG	63	2	0	0	1.011	4	S21SB02	21-May-08	1400000	EPA_SL_IndSoil_05/13
CHLOROFORM	UG/KG	63	7	0	0	2.305	25	S05SB10	03-Jun-08	1500	EPA_SL_IndSoil_05/13
CIS-1,2 DICHLOROETHENE	UG/KG	63	1	0	0	0.908	1	S23SB01	14-May-08	2000000	EPA_SL_IndSoil_05/13
CUMENE	UG/KG	5	1	0	0	11.59	56	S17SBTMW04	13-May-08	11000000	EPA_SL_IndSoil_05/13
ETHYLBENZENE	UG/KG	69	2	0	0	41.57	2800	S01SB10	13-May-10	27000	EPA_SL_IndSoil_05/13
METHYL ETHYL KETONE	UG/KG	63	4	0	0	4.063	10	S01SB12	11-Jun-10	200000000	EPA_SL_IndSoil_05/13
METHYLENE CHLORIDE	UG/KG	63	4	0	0	2.175	13	S01SB12	11-Jun-10	960000	EPA_SL_IndSoil_05/13
TETRACHLOROETHYLENE	UG/KG	63	5	0	0	29.606	1800	S05SB10	03-Jun-08	110000	EPA_SL_IndSoil_05/13
TOLUENE	UG/KG	69	4	0	0	34.379	2300	S01SB10	13-May-10	45000000	EPA_SL_IndSoil_05/13
TRANS-1,2-DICHLOROETHENE	UG/KG	63	1	0	0	0.908	1	S23SB01	14-May-08	690000	EPA_SL_IndSoil_05/13
TRICHLOROETHENE	UG/KG	63	3	0	0	1.067	7	S23SB01	14-May-08	6400	EPA_SL_IndSoil_05/13
XYLENES	UG/KG	70	4	0	0	259.75	18000	S01SB10	13-May-10	2700000	EPA_SL_IndSoil_05/13
2,4-DIMETHYLPHENOL	UG/KG	70	1	0	0	40.59	83	S05SB15	07-May-10	12000000	EPA_SL_IndSoil_05/13
2-METHYLNAPHTHALENE	UG/KG	72	6	0	0	62.10	2000	S05SB15	07-May-10	2200000	EPA_SL_IndSoil_05/13
4-METHYLPHENOL (P-CRESOL)	UG/KG	70	1	0	0	41.69	160	S05SB15	07-May-10	62000000	EPA_SL_IndSoil_05/13
ACENAPHTHENE	UG/KG	79	6	0	0	129.69	7700	S05SB15	07-May-10	33000000	EPA_SL_IndSoil_05/13
ACENAPHTHYLENE <sup>#</sup>	UG/KG	76	1	0	0	21.45	61	S05SB15	07-May-10	33000000	EPA_SL_IndSoil_05/13
ANTHRACENE	UG/KG	79	7	0	0	187.63	11000	S05SB15	07-May-10	170000000	EPA_SL_IndSoil_05/13
BENZO(A)ANTHRACENE	UG/KG	79	18	1	1	285.33	15000	S05SB15	07-May-10	2100	EPA_SL_IndSoil_05/13
BENZO(B)FLUORANTHENE	UG/KG	79	19	1	1	275.68	14000	S05SB15	07-May-10	2100	EPA_SL_IndSoil_05/13
BENZO(G,H,I)PERYLENE <sup>#</sup>	UG/KG	76	11	0	0	114.75	4500	S05SB15	07-May-10	210000	EPA_SL_IndSoil_05/13
BENZO(K)FLUORANTHENE	UG/KG	79	9	0	0	127.58	5800	S05SB15	07-May-10	21000	EPA_SL_IndSoil_05/13
BENZO(A)PYRENE	UG/KG	79	14	6	6	217.30	11000	S05SB15	07-May-10	210	EPA_SL_IndSoil_05/12
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	70	23	0	0	204.54	3800	MW-23	04-May-10	120000	EPA_SL_IndSoil_05/13
BUTYL BENZYL PHTHALATE	UG/KG	70	3	0	0	48.48	490	S04SB05	01-May-08	910000	EPA_SL_IndSoil_05/13
CARBAZOLE	UG/KG	70	6	0	0	103.89	5100	S05SB15	07-May-10	95800	RAIS PRG
CHRYSENE	UG/KG	79	19	0	0	269.75	14000	S05SB15	07-May-10	210000	EPA_SL_IndSoil_05/13
DIBENZ(A,H)ANTHRACENE	UG/KG	76	6	2	2	49.66	1700	S05SB15	07-May-10	210	EPA_SL_IndSoil_05/13
DIBENZOFURAN	UG/KG	70	5	0	0	79.01	3700	S05SB15	07-May-10	1000000	EPA_SL_IndSoil_05/13
DIETHYL PHTHALATE	UG/KG	70	1	0	0	41.42	140	S05SB13	05-May-10	490000000	EPA_SL_IndSoil_05/13
DI-N-BUTYL PHTHALATE	UG/KG	70	1	0	0	40.72	89	S04SB05	01-May-08	62000000	EPA_SL_IndSoil_05/13
FLUORANTHENE	UG/KG	79	30	0	0	599.55	33000	S05SB15	07-May-10	22000000	EPA_SL_IndSoil_05/13
FLUORENE	UG/KG	79	6	0	0	103.58	5700	S05SB15	07-May-10	22000000	EPA_SL_IndSoil_05/13

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
HEXACHLOROBENZENE	UG/KG	70	12	1	1	3909.21	270000	S05SB10	03-Jun-08	1100	EPA_SL_IndSoil_05/13
INDENO (1,2,3-CD) PYRENE	UG/KG	79	10	1	1	113.41	4900	S05SB15	07-May-10	2100	EPA_SL_IndSoil_05/13
NAPHTHALENE	UG/KG	84	10	0	0	97.64	5300	S05SB15	07-May-10	18000	EPA_SL_IndSoil_05/13
N-NITROSODIPHENYLAMINE	UG/KG	70	1	0	0	23.00	230	S04SB07	04-Jun-08	350000	EPA_SL_IndSoil_05/13
PHENANTHRENE <sup>#</sup>	UG/KG	79	23	0	0	572.06	34000	S05SB15	07-May-10	170000000	EPA_SL_IndSoil_05/13
PHENOL	UG/KG	70	1	0	0	21.40	120	S05SB15	07-May-10	180000000	EPA_SL_IndSoil_05/13
PYRENE	UG/KG	79	28	0	0	520.05	28000	S05SB15	07-May-10	170000000	EPA_SL_IndSoil_05/13
1,2,3,4,6,7,8-HPCDD	MG/KG	40	38	0	0	0.0001	0.000485	S05SB03	02-Jun-08		
1,2,3,4,6,7,8-HPCDF	MG/KG	36	27	0	0	0.0001	0.00397	S05SB10	03-Jun-08		
1,2,3,4,7,8,9-HPCDF	MG/KG	40	24	0	0	0.0001	0.0032	S05SB10	03-Jun-08		
1,2,3,4,7,8-HXCDD	MG/KG	40	29	0	0	0.000001	6.98E-06	S05SB10	03-Jun-08		
1,2,3,4,7,8-HXCDF	MG/KG	40	24	0	0	0.000050	0.00161	S05SB10	03-Jun-08		
1,2,3,6,7,8-HXCDD	MG/KG	40	31	0	0	0.000003	2.71E-05	S05SB10	03-Jun-08		
1,2,3,6,7,8-HXCDF	MG/KG	40	21	0	0	0.000009	0.000285	S05SB10	03-Jun-08		
1,2,3,7,8,9-HXCDD	MG/KG	40	33	0	0	0.000002	1.31E-05	S05SB10	03-Jun-08		
1,2,3,7,8,9-HXCDF	MG/KG	40	20	0	0	0.000013	0.000473	S05SB10	03-Jun-08		
1,2,3,7,8-PECDD	MG/KG	40	22	0	0	0.000001	5.13E-06	S05SB10	03-Jun-08		
1,2,3,7,8-PECDF	MG/KG	40	22	0	0	0.000027	0.00102	S05SB10	03-Jun-08		
2,3,4,6,7,8-HXCDF	MG/KG	40	20	0	0	0.000006	0.000165	S05SB10	03-Jun-08		
2,3,4,7,8-PECDF	MG/KG	40	18	0	0	0.000004	0.000111	S05SB10	03-Jun-08		
2,3,7,8-TCDD	MG/KG	40	20	0	0	0.000000	2.19E-06	S05SB04	02-Jun-08	0.000018	EPA_SL_IndSoil_05/13
2,3,7,8-TCDF	MG/KG	40	24	0	0	0.000013	0.000475	S05SB10	03-Jun-08		
HPCDDs	MG/KG	34	32	0	0	0.0002	0.000864	S05SB03	02-Jun-08		
HXCDDs	MG/KG	34	32	0	0	0.00004	0.000227	S05SB10	03-Jun-08		
HXCDFs	MG/KG	34	28	0	0	0.0001	0.0033	S05SB10	03-Jun-08		
OCDD	MG/KG	40	40	0	0	0.0043	0.0269	S01SB06	29-Apr-08		
OCDF	MG/KG	35	32	0	0	0.02	0.549	S05SB10	03-Jun-08		
TCDDs	MG/KG	39	35	0	0	0.00001	3.82E-05	S05SB10	03-Jun-08		
TCDFs	MG/KG	40	34	0	0	0.00004	0.00105	S05SB10	03-Jun-08		
TOTAL HPCDD	MG/KG	6	6	0	0	0.00032	0.000589	S13SB16	07-Jun-10		
TOTAL HPCDF	MG/KG	1	1	0	0	0.00009	9.42E-05	S05SB16	10-Jun-10		
TOTAL HXCDD	MG/KG	6	6	0	0	0.00011	0.00023	S13SB16	07-Jun-10		
TOTAL HXCDF	MG/KG	6	5	0	0	0.00001	4.04E-05	S05SB16	10-Jun-10		
TOTAL PECDD	MG/KG	6	6	0	0	0.00002	5.15E-05	S13SB17	07-Jun-10		
TOTAL PECDDs	MG/KG	34	30	0	0	0.00001	0.000115	S05SB10	03-Jun-08		
TOTAL PECDF	MG/KG	6	4	0	0	0.00000	0.000027	S05SB16	10-Jun-10		
TOTAL PECDFs	MG/KG	34	23	0	0	0.00007	0.00176	S05SB10	03-Jun-08		
PCB 1	MG/KG	42	22	0	0	0.00006	0.00127	S05SB09	20-May-08		
PCB 10	MG/KG	43	12	0	0	0.00001	0.000158	S05SB09	20-May-08		
PCB 102	MG/KG	43	18	0	0	0.00004	0.000698	S23SB01	14-May-08		

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 103	MG/KG	43	13	0	0	0.00001	0.000167	S05SB15	07-May-10		
PCB 104	MG/KG	43	1	0	0	0.0000002	4.39E-06	S23SB01	14-May-08		
PCB 105	MG/KG	38	32	0	0	0.00060	0.00642	S23SB01	14-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 106	MG/KG	43	1	0	0	0.000001	0.000042	S23SB01	14-May-08		
PCB 109	MG/KG	43	24	0	0	0.00008	0.00088	S23SB01	14-May-08		
PCB 11	MG/KG	14	13	0	0	0.00007	0.000173	S04SB05	01-May-08		
PCB 110	MG/KG	36	34	0	0	0.00202	0.0133	S23SB01	14-May-08		
PCB 111	MG/KG	43	7	0	0	0.000001	1.42E-05	S05SB15	07-May-10		
PCB 112	MG/KG	43	1	0	0	0.000002	7.12E-05	S23SB01	14-May-08		
PCB 114	MG/KG	43	19	0	0	0.00003	0.000417	S23SB01	14-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 115	MG/KG	43	1	0	0	0.00001	0.000324	S23SB01	14-May-08		
PCB 117	MG/KG	43	17	0	0	0.00003	0.000434	S05SB04	02-Jun-08		
PCB 118	MG/KG	31	28	0	0	0.00159	0.0101	S23SB01	14-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 120	MG/KG	43	10	0	0	0.00001	7.66E-05	S05SB15	07-May-10		
PCB 121	MG/KG	43	2	0	0	0.0000005	3.08E-06	S05SB10	03-Jun-08		
PCB 122	MG/KG	43	20	0	0	0.00002	0.00026	S23SB01	14-May-08		
PCB 123	MG/KG	43	18	0	0	0.00002	0.000331	S23SB01	14-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 126	MG/KG	43	20	0	0	0.00001	5.78E-05	S23SB01	14-May-08	0.00011	EPA_SL_IndSoil_05/13
PCB 127	MG/KG	43	2	0	0	0.0000005	1.79E-06	S13SB12	06-Jun-08		
PCB 130	MG/KG	43	26	0	0	0.00013	0.00114	S05SB15	07-May-10		
PCB 131	MG/KG	43	22	0	0	0.00002	0.000179	S05SB15	07-May-10		
PCB 132	MG/KG	38	33	0	0	0.00083	0.00604	S04SB03	01-May-08		
PCB 133	MG/KG	43	21	0	0	0.00003	0.000235	S04SB03	01-May-08		
PCB 134	MG/KG	43	24	0	0	0.00012	0.00093	S04SB03	01-May-08		
PCB 136	MG/KG	41	31	0	0	0.00034	0.00403	S04SB03	01-May-08		
PCB 137	MG/KG	43	26	0	0	0.00008	0.000719	S05SB15	07-May-10		
PCB 14	MG/KG	43	8	0	0	0.000001	5.88E-06	S05SB12	06-May-10		
PCB 141	MG/KG	41	29	0	0	0.00056	0.00592	S04SB03	01-May-08		
PCB 142	MG/KG	43	4	0	0	0.0000004	5.32E-06	S05SB10	03-Jun-08		
PCB 143	MG/KG	43	4	0	0	0.0000024	7.06E-05	S05SB07	20-May-08		
PCB 144	MG/KG	43	26	0	0	0.00012	0.0014	S04SB03	01-May-08		
PCB 145	MG/KG	43	6	0	0	0.0000005	5.34E-06	S05SB15	07-May-10		
PCB 146	MG/KG	41	30	0	0	0.00038	0.00301	S04SB03	01-May-08		
PCB 148	MG/KG	43	11	0	0	0.000003	4.45E-05	S05SB15	07-May-10		
PCB 15	MG/KG	35	28	0	0	0.00085	0.0173	S23SB01	14-May-08		
PCB 150	MG/KG	43	14	0	0	0.000002	1.77E-05	S05SB15	07-May-10		
PCB 152	MG/KG	43	12	0	0	0.000001	1.04E-05	S05SB15	07-May-10		
PCB 154	MG/KG	43	17	0	0	0.00002	0.000271	S05SB15	07-May-10		
PCB 155	MG/KG	43	3	0	0	0.0000002	2.05E-06	S05SB10	03-Jun-08		
PCB 158	MG/KG	43	30	0	0	0.0002	0.00167	S05SB03	02-Jun-08		

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 159	MG/KG	43	20	0	0	0.00002	0.000448	S04SB03	01-May-08		
PCB 16	MG/KG	28	19	0	0	0.0006	0.00971	S23SB01	14-May-08		
PCB 162	MG/KG	43	18	0	0	0.00001	0.000112	S05SB15	07-May-10		
PCB 164	MG/KG	43	27	0	0	0.0002	0.00149	S05SB03	02-Jun-08		
PCB 165	MG/KG	43	3	0	0	0.0000005	6.73E-06	S05SB16	10-Jun-10		
PCB 167	MG/KG	43	26	0	0	0.0001	0.000797	S05SB15	07-May-10	0.38	EPA_SL_IndSoil_05/13
PCB 169	MG/KG	43	12	0	0	0.000003	5.72E-05	S05SB03	02-Jun-08	0.00038	EPA_SL_IndSoil_05/13
PCB 17	MG/KG	27	19	0	0	0.0006	0.0107	S23SB01	14-May-08		
PCB 170	MG/KG	41	33	0	0	0.0009	0.0093	S04SB03	01-May-08		
PCB 172	MG/KG	43	27	0	0	0.0002	0.0016	S04SB03	01-May-08		
PCB 174	MG/KG	41	33	0	0	0.0010	0.0116	S04SB03	01-May-08		
PCB 175	MG/KG	43	25	0	0	0.00004	0.000431	S04SB03	01-May-08		
PCB 176	MG/KG	43	27	0	0	0.0001	0.00166	S04SB03	01-May-08		
PCB 177	MG/KG	41	29	0	0	0.0006	0.00635	S04SB03	01-May-08		
PCB 178	MG/KG	43	27	0	0	0.0002	0.00257	S04SB03	01-May-08		
PCB 179	MG/KG	43	33	0	0	0.0004	0.00601	S04SB03	01-May-08		
PCB 181	MG/KG	43	13	0	0	0.000004	4.96E-05	S05SB15	07-May-10		
PCB 182	MG/KG	43	9	0	0	0.000004	3.98E-05	S05SB10	03-Jun-08		
PCB 183	MG/KG	40	29	0	0	0.0005	0.0059	S04SB03	01-May-08		
PCB 184	MG/KG	43	6	0	0	0.0000005	9.62E-06	S05SB10	03-Jun-08		
PCB 185	MG/KG	43	27	0	0	0.0001	0.00136	S04SB03	01-May-08		
PCB 186	MG/KG	43	1	0	0	0.0000002	1.16E-06	S13SB15	29-May-08		
PCB 187	MG/KG	41	35	0	0	0.0013	0.014	S04SB03	01-May-08		
PCB 188	MG/KG	43	11	0	0	0.000001	6.3E-06	S05SB10	03-Jun-08		
PCB 189	MG/KG	43	27	0	0	0.00003	0.000283	S04SB03	01-May-08	0.38	EPA_SL_IndSoil_05/13
PCB 19	MG/KG	41	25	0	0	0.0001	0.00222	S23SB01	14-May-08		
PCB 190	MG/KG	43	28	0	0	0.0002	0.00183	S04SB03	01-May-08		
PCB 191	MG/KG	43	25	0	0	0.00003	0.000358	S04SB03	01-May-08		
PCB 194	MG/KG	42	35	0	0	0.0005	0.00508	S04SB03	01-May-08		
PCB 195	MG/KG	43	30	0	0	0.0002	0.00218	S04SB03	01-May-08		
PCB 196	MG/KG	43	32	0	0	0.0002	0.00266	S04SB03	01-May-08		
PCB 197	MG/KG	43	25	0	0	0.00002	0.00018	S04SB03	01-May-08		
PCB 2	MG/KG	43	28	0	0	0.00001	0.000244	S05SB10	03-Jun-08		
PCB 200	MG/KG	43	27	0	0	0.0001	0.00073	S04SB03	01-May-08		
PCB 201	MG/KG	43	30	0	0	0.0001	0.000676	S04SB03	01-May-08		
PCB 202	MG/KG	42	30	0	0	0.0001	0.000994	S05SB03	02-Jun-08		
PCB 203	MG/KG	42	33	0	0	0.0004	0.00312	S04SB03	01-May-08		
PCB 204	MG/KG	43	4	0	0	0.000001	3.68E-05	S05SB10	03-Jun-08		
PCB 205	MG/KG	43	26	0	0	0.000026	0.000236	S04SB03	01-May-08		
PCB 206	MG/KG	43	34	0	0	0.001	0.00935	S05SB10	03-Jun-08		

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 207	MG/KG	43	30	0	0	0.0001	0.00178	S05SB10	03-Jun-08		
PCB 208	MG/KG	43	32	0	0	0.0002	0.00355	S05SB10	03-Jun-08		
PCB 209	MG/KG	41	36	0	0	0.02	0.392	S05SB10	03-Jun-08		
PCB 22	MG/KG	25	19	0	0	0.001	0.0274	S23SB01	14-May-08		
PCB 23	MG/KG	43	7	0	0	0.000001	2.89E-05	S23SB01	14-May-08		
PCB 24	MG/KG	43	16	0	0	0.000013	0.000347	S23SB01	14-May-08		
PCB 25	MG/KG	41	25	0	0	0.00015	0.00439	S23SB01	14-May-08		
PCB 27	MG/KG	41	21	0	0	0.000088	0.0021	S23SB01	14-May-08		
PCB 3	MG/KG	42	28	0	0	0.00012	0.00344	S05SB10	03-Jun-08		
PCB 31	MG/KG	20	19	0	0	0.004	0.0553	S23SB01	14-May-08		
PCB 32	MG/KG	27	20	0	0	0.001	0.0138	S23SB01	14-May-08		
PCB 34	MG/KG	43	10	0	0	0.00001	0.000315	S23SB01	14-May-08		
PCB 35	MG/KG	43	25	0	0	0.00005	0.00128	S23SB01	14-May-08		
PCB 36	MG/KG	43	5	0	0	0.000001	1.21E-05	S05SB10	03-Jun-08		
PCB 37	MG/KG	41	31	0	0	0.00111	0.0346	S23SB01	14-May-08		
PCB 38	MG/KG	43	8	0	0	0.000002	6.22E-05	S23SB01	14-May-08		
PCB 39	MG/KG	43	12	0	0	0.000002	2.58E-05	S05SB15	07-May-10		
PCB 4	MG/KG	39	32	0	0	0.00016	0.00362	S05SB09	20-May-08		
PCB 41	MG/KG	42	23	0	0	0.00021	0.00706	S23SB01	14-May-08		
PCB 42	MG/KG	41	27	0	0	0.00059	0.0178	S23SB01	14-May-08		
PCB 43	MG/KG	43	16	0	0	0.00007	0.00228	S23SB01	14-May-08		
PCB 45	MG/KG	41	24	0	0	0.00036	0.01	S23SB01	14-May-08		
PCB 46	MG/KG	43	22	0	0	0.00013	0.00391	S23SB01	14-May-08		
PCB 48	MG/KG	40	25	0	0	0.00036	0.0111	S23SB01	14-May-08		
PCB 5	MG/KG	32	19	0	0	0.00001	0.00012	S05SB09	20-May-08		
PCB 51	MG/KG	42	24	0	0	0.00008	0.00221	S23SB01	14-May-08		
PCB 52	MG/KG	25	25	0	0	0.00303	0.0465	S23SB01	14-May-08		
PCB 54	MG/KG	43	14	0	0	0.00000	9.99E-05	S23SB01	14-May-08		
PCB 55	MG/KG	43	8	0	0	0.00003	0.00133	S23SB01	14-May-08		
PCB 56	MG/KG	39	28	0	0	0.001	0.031	S23SB01	14-May-08		
PCB 57	MG/KG	43	8	0	0	0.00001	0.00034	S23SB01	14-May-08		
PCB 58	MG/KG	43	7	0	0	0.00001	0.000161	S23SB01	14-May-08		
PCB 6	MG/KG	37	23	0	0	0.00009	0.00115	S05SB09	20-May-08		
PCB 60	MG/KG	43	27	0	0	0.00048	0.0163	S23SB01	14-May-08		
PCB 63	MG/KG	43	18	0	0	0.00006	0.00193	S23SB01	14-May-08		
PCB 64	MG/KG	35	27	0	0	0.00097	0.0241	S23SB01	14-May-08		
PCB 66	MG/KG	39	31	0	0	0.002	0.0521	S23SB01	14-May-08		
PCB 67	MG/KG	43	16	0	0	0.00007	0.00244	S23SB01	14-May-08		
PCB 68	MG/KG	43	14	0	0	0.00001	0.000169	S23SB01	14-May-08		
PCB 7	MG/KG	43	19	0	0	0.00001	0.000215	S05SB09	20-May-08		

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 72	MG/KG	43	12	0	0	0.00001	0.000293	S23SB01	14-May-08		
PCB 73	MG/KG	43	3	0	0	0.000002	7.95E-05	S23SB01	14-May-08		
PCB 77	MG/KG	43	28	0	0	0.00024	0.00717	S23SB01	14-May-08	0.11	EPA_SL_IndSoil_05/13
PCB 78	MG/KG	43	2	0	0	0.000001	1.59E-05	S23SB01	14-May-08		
PCB 79	MG/KG	43	13	0	0	0.00001	0.000195	S23SB01	14-May-08		
PCB 8	MG/KG	26	22	0	0	0.00077	0.00602	S23SB01	14-May-08		
PCB 80	MG/KG	43	3	0	0	0.000001	1.97E-05	S05SB09	20-May-08		
PCB 81	MG/KG	43	7	0	0	0.00001	0.000361	S23SB01	14-May-08	0.038	EPA_SL_IndSoil_05/13
PCB 82	MG/KG	43	25	0	0	0.00020	0.00331	S23SB01	14-May-08		
PCB 83	MG/KG	43	22	0	0	0.00009	0.000951	S23SB01	14-May-08		
PCB 84	MG/KG	42	28	0	0	0.00039	0.0045	S23SB01	14-May-08		
PCB 88	MG/KG	43	1	0	0	0.00000	0.000136	S23SB01	14-May-08		
PCB 89	MG/KG	43	17	0	0	0.00003	0.000515	S23SB01	14-May-08		
PCB 9	MG/KG	30	24	0	0	0.00003	0.000377	S05SB09	20-May-08		
PCB 91	MG/KG	43	26	0	0	0.00020	0.00234	S23SB01	14-May-08		
PCB 92	MG/KG	43	27	0	0	0.00027	0.00249	S05SB15	07-May-10		
PCB 94	MG/KG	43	12	0	0	0.00001	0.000141	S23SB01	14-May-08		
PCB 95	MG/KG	28	25	0	0	0.00178	0.00914	S23SB01	14-May-08		
PCB 96	MG/KG	43	21	0	0	0.00001	0.000251	S23SB01	14-May-08		
PCB 98	MG/KG	43	3	0	0	0.000004	7.77E-05	S05SB10	03-Jun-08		
PCB 99	MG/KG	41	31	0	0	0.0006	0.00582	S23SB01	14-May-08		
PCB-100/93	MG/KG	43	15	0	0	0.00001	0.000213	S23SB01	14-May-08		
PCB-107/124	MG/KG	43	24	0	0	0.00005	0.000401	S23SB01	14-May-08		
PCB-108/119/86/97/125/87	MG/KG	39	31	0	0	0.0010	0.0108	S23SB01	14-May-08		
PCB-113/90/101	MG/KG	26	26	0	0	0.0024	0.0118	S23SB01	14-May-08		
PCB-116/85	MG/KG	43	24	0	0	0.0002	0.00346	S23SB01	14-May-08		
PCB-128/166	MG/KG	43	29	0	0	0.0003	0.00284	S05SB15	07-May-10		
PCB-13/12	MG/KG	43	21	0	0	0.0001	0.00121	S23SB01	14-May-08		
PCB-139/140	MG/KG	43	22	0	0	0.0000	0.000302	S05SB15	07-May-10		
PCB-147/149	MG/KG	36	34	0	0	0.0023	0.0213	S04SB03	01-May-08		
PCB-151/135	MG/KG	38	29	0	0	0.0010	0.0105	S04SB03	01-May-08		
PCB-153/168	MG/KG	34	31	0	0	0.0027	0.0217	S04SB03	01-May-08		
PCB-156/157	MG/KG	43	31	0	0	0.0003	0.0022	S05SB15	07-May-10		
PCB-163/138/129	MG/KG	36	35	0	0	0.0030	0.0207	S05SB03	02-Jun-08		
PCB-171/173	MG/KG	43	29	0	0	0.0003	0.00292	S04SB03	01-May-08		
PCB-180/193	MG/KG	39	35	0	0	0.0022	0.0226	S04SB03	01-May-08		
PCB-198/199	MG/KG	42	35	0	0	0.0006	0.00559	S04SB03	01-May-08		
PCB-21/33	MG/KG	25	21	0	0	0.0019	0.0351	S23SB01	14-May-08		
PCB-26/29	MG/KG	36	24	0	0	0.0003	0.00823	S23SB01	14-May-08		
PCB-28/20	MG/KG	18	18	0	0	0.01	0.08	S23SB01	14-May-08		

**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB-30/18	MG/KG	23	21	0	0	0.001	0.0175	S23SB01	14-May-08		
PCB-44/47/65	MG/KG	28	26	0	0	0.003	0.0548	S23SB01	14-May-08		
PCB-50/53	MG/KG	41	27	0	0	0.0003	0.00766	S23SB01	14-May-08		
PCB-59/62/75	MG/KG	43	24	0	0	0.0002	0.00623	S23SB01	14-May-08		
PCB-61/70/74/76	MG/KG	35	29	0	0	0.003	0.0757	S23SB01	14-May-08		
PCB-69/49	MG/KG	29	27	0	0	0.001	0.0276	S23SB01	14-May-08		
PCB-71/40	MG/KG	39	28	0	0	0.001	0.03	S23SB01	14-May-08		
<b>TOTAL PCBs</b>	<b>MG/KG</b>	<b>43</b>	<b>43</b>	<b>1</b>	<b>1</b>	<b>0.95</b>				<b>0.74</b>	<b>EPA_SL_IndSoil_11/11</b>
DIOXIN TEQ*	MG/KG						0.000635			0.02	USEPA, 1998
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	18	18	0	0	0.004	0.0267	S23SB01	14-May-08		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	41	37	0	0	0.01	0.0888	S04SB03	01-May-08		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	32	32	0	0	0.01	0.104	S04SB03	01-May-08		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	42	30	0	0	0.0002	0.00423	S05SB10	03-Jun-08		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	43	34	0	0	0.0008	0.0147	S05SB10	03-Jun-08		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	42	35	0	0	0.0023	0.0213	S04SB03	01-May-08		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	26	26	0	0	0.02	0.0894	S23SB01	14-May-08		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	26	26	0	0	0.02	0.441	S23SB01	14-May-08		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	20	20	0	0	0.02	0.303	S23SB01	14-May-08		
ALUMINUM	MG/KG	73	73	0	0	13175.07	34900	S25SB02	18-May-10	990000	EPA_SL_IndSoil_05/13
ANTIMONY	MG/KG	73	15	0	0	2.42	24.1	S05SB17	18-Jun-10	410	EPA_SL_IndSoil_05/13
<b>ARSENIC</b>	<b>MG/KG</b>	<b>73</b>	<b>72</b>	<b>1</b>	<b>1</b>	<b>3.77</b>	<b>13.4</b>	<b>S23SB02</b>	<b>14-May-08</b>	<b>11</b>	<b>Background level</b>
BARIIUM	MG/KG	73	73	0	0	49.83	177	S05SB03	02-Jun-08	190000	EPA_SL_IndSoil_05/13
BERYLLIUM	MG/KG	73	72	0	0	0.63	2.63	S13SB03	04-Jun-08	2000	EPA_SL_IndSoil_05/13
CADMIUM	MG/KG	73	47	0	0	0.50	3.62	S23SB02	14-May-08	800	EPA_SL_IndSoil_05/13
CALCIUM	MG/KG	73	73	0	0	1885.71	26400	S23SB01	14-May-08		
CHROMIUM	MG/KG	73	73	0	0	48.86	405	S05SB10	03-Jun-08	1500000	EPA_SL_IndSoil_05/13
COBALT	MG/KG	73	65	0	0	6.02	44.2	S16SB05	28-Apr-08	300	EPA_SL_IndSoil_05/13
<b>COPPER</b>	<b>MG/KG</b>	<b>73</b>	<b>73</b>	<b>1</b>	<b>1</b>	<b>1431.23</b>	<b>93500</b>	<b>S01SB09</b>	<b>12-May-10</b>	<b>41000</b>	<b>EPA_SL_IndSoil_05/13</b>
IRON	MG/KG	73	73	0	0	26529.73	94500	S23SB02	14-May-08	720000	EPA_SL_IndSoil_05/13
<b>LEAD</b>	<b>MG/KG</b>	<b>78</b>	<b>78</b>	<b>1</b>	<b>1</b>	<b>68.15</b>	<b>1220</b>	<b>S05SB17</b>	<b>18-Jun-10</b>	<b>800</b>	<b>EPA_SL_IndSoil_05/13</b>
MAGNESIUM	MG/KG	73	73	0	0	1400.63	6490	MW-23	04-May-10		
MANGANESE	MG/KG	73	73	0	0	171.73	1590	S16SB05	28-Apr-08	23000	EPA_SL_IndSoil_05/13
MERCURY	MG/KG	73	43	0	0	0.18	5.2	S05SB10	03-Jun-08	43	EPA_SL_IndSoil_05/13
NICKEL	MG/KG	73	73	0	0	13.71	46.3	S05SB16	10-Jun-10	20000	EPA_SL_IndSoil_05/13
POTASSIUM	MG/KG	73	73	0	0	898.35	2110	S18SB01	25-Apr-08		
SELENIUM	MG/KG	70	6	0	0	0.70	4.51	S05SB10	03-Jun-08	5100	EPA_SL_IndSoil_05/13
SILVER	MG/KG	70	31	0	0	0.43	4.23	S23SB03	18-May-10	5100	EPA_SL_IndSoil_05/13
SODIUM	MG/KG	68	59	0	0	191.39	1020	S13SB01	04-Jun-08		
THALLIUM	MG/KG	67	19	0	0	0.48	3.97	S23SB03	18-May-10	10	EPA_SL_IndSoil_05/13
TITANIUM <sup>#</sup>	MG/KG	60	60	0	0	1438.10	25000	S05SB10	03-Jun-08		



**Table 2-5**  
**Subsurface Soil Constituents of Potential Concern**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>^</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
VANADIUM	MG/KG	73	73	0	0	109.14	2430	S01SB08	12-May-10	5100	EPA_SL_IndSoil_05/13
ZINC	MG/KG	73	73	0	0	50.60	448	S05SB16	10-Jun-10	310000	EPA_SL_IndSoil_05/13
C19 to C36 Aliphatics	MG/KG	3	1	0	0	9.17	14	S17SBTMW03	13-May-08		
TOTAL ORGANIC CARBON	MG/KG	86	24	0	0	2255.67	85100	S05SB10	03-Jun-08		
HPCDFS	MG/KG	34	29	0	0	0.0003	0.00949	S05SB10	03-Jun-08		

Subsurface soil - 2 feet to 15 feet below ground surface.

Highlighted concentrations exceed the screening levels and were identified as chemicals of potential concern.

<sup>^</sup> Average was calculated using the detected concentrations and 1/2 of the detection limits for non-detected concentrations.

\* see Table B-4 in Appendix B for calculations.

RAIS PRG - Risk Assessment Information System Preliminary Remedial Goal.

DNREC, 2000 - Actions levels from the DERBCAP, Delaware Risk-Based Corrective Action Program Guide for Underground Storage Tank (UST) Sites.

EPA\_SL\_IndSoil\_05/13 - USEPA Regional Screening levels for Industrial Soil dated 05/2013.

Background level - DNREC default background remediation standard

NA - Not applicable. Calcium, potassium, sodium, and magnesium are essential nutrients and the screening levels are not applicable to these chemicals.

**Table 2-6**  
**Groundwater Constituents of Potential Concern (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
1,1,1-TRICHLOROETHANE	T	UG/L	23	2	0	0	0.5	2	MW-16S	17-May-07	200	FED MCL
ACETONE	T	UG/L	23	1	0	0	3.4	12	MW-15S	22-May-07	12000	EPA_SL_TapWater_05/13
BENZENE	T	UG/L	23	1	0	0	0.3	0.7	MW-13S	20-Aug-07	5	FED MCL
CHLOROFORM	T	UG/L	23	2	0	0	0.6	3	MW-15S	21-Aug-07	70	FED MCL
CIS-1,2-DICHLOROETHENE	T	UG/L	23	1	0	0	0.4	1	MW-16S	21-Aug-07	70	FED MCL
TETRACHLOROETHYLENE	T	UG/L	23	2	0	0	0.6	3	MW-15S	21-Aug-07	5	FED MCL
TRICHLOROETHENE	T	UG/L	23	3	0	0	0.6	2	MW-15S	21-Aug-07	5	FED MCL
BIS(2-ETHYLHEXYL)PHTHALATE	T	UG/L	24	1	0	0	1.0	2	MW-10	13-Nov-08	6	FED MCL
DI-N-BUTYL PHTHALATE	T	UG/L	24	1	0	0	1.1	3	MW-12S	21-May-07	670	EPA_SL_TapWater_05/13
FLUORANTHENE	T	UG/L	24	1	0	0	0.4	0.026	MW-10	13-Nov-08	630	EPA_SL_TapWater_05/13
NAPHTHALENE*	T	UG/L	24	1	24	1	0.6	2	MW-10	16-May-07	0.14	EPA_SL_TapWater_05/13
1,2,3,4,6,7,8-HPCDD	D	UG/L	4	1	0	0	0.000003	8.97E-06	MW-10	13-Nov-08		
1,2,3,4,6,7,8-HPCDD	T	UG/L	67	20	0	0	0.000002	1.35E-05	MW-17S	23-Aug-07		
1,2,3,4,6,7,8-HPCDF	D	UG/L	4	1	0	0	0.000001	2.23E-06	MW-10	13-Nov-08		
1,2,3,4,6,7,8-HPCDF	T	UG/L	71	5	0	0	0.000001	4.74E-06	MW-08	15-Feb-06		
1,2,3,4,7,8,9-HPCDF	T	UG/L	73	2	0	0	0.000001	2.32E-06	MW-08	08-Apr-11		
1,2,3,6,7,8-HXCDF	T	UG/L	73	1	0	0	0.0000002	6.68E-07	MW-08	08-Apr-11		
2,3,4,6,7,8-HXCDF	T	UG/L	73	1	0	0	0.0000003	3.93E-07	MW-08	08-Apr-11		
2,3,4,7,8-PECDF	T	UG/L	73	1	0	0	0.0000005	7.92E-07	MW-08	08-Apr-11		
2,3,7,8-TCDF	T	UG/L	73	1	0	0	0.0000004	5.98E-07	MW-08	08-Apr-11		
HPCDDS	D	UG/L	4	1	0	0	0.000006	1.86E-05	MW-10	13-Nov-08		
HPCDDS	T	UG/L	17	7	0	0	0.000009	4.03E-05	MW-17S	23-Aug-07		
HXCDDS	T	UG/L	61	7	0	0	0.000001	1.04E-05	MW-17S	23-Aug-07		
HXCDFS	T	UG/L	61	1	0	0	0.000000	4.76E-07	MW-10	29-May-09		
OCDD	D	UG/L	4	1	0	0	0.000048	0.000183	MW-10	13-Nov-08		
OCDD	T	UG/L	53	33	0	0	0.000068	0.00109	MW-17S	26-May-10		
OCDF	T	UG/L	68	28	0	0	0.000007	0.000102	MW-08	15-Feb-06		
TCDDS	T	UG/L	61	16	0	0	0.000003	7.24E-05	MW-08	15-Feb-06		
TCDFS	T	UG/L	72	1	0	0	0.000001	7.75E-06	MW-08	08-Apr-11		
TOTAL HPCDD	T	UG/L	11	4	0	0	0.000004	1.21E-05	MW-08	08-Apr-11		
TOTAL HPCDF	T	UG/L	11	2	0	0	0.000002	8.32E-06	MW-08	08-Apr-11		
TOTAL HXCDD	T	UG/L	11	2	0	0	0.000006	3.89E-05	MW-17S	26-May-10		
TOTAL PECDD	T	UG/L	12	2	0	0	0.000001	4.32E-06	MW-17S	26-May-10		
TOTAL PECDDS	T	UG/L	61	2	0	0	0.000001	1.18E-06	MW-17S	23-Aug-07		
TOTAL PECDF	T	UG/L	12	1	0	0	0.000001	6.75E-06	MW-08	08-Apr-11		
PCB 1	D	UG/L	4	3	0	0	0.000002	3.58E-06	MW-09	13-Nov-08		
PCB 1	T	UG/L	27	10	0	0	0.000002	1.12E-05	MW-10	22-Aug-07		
PCB 10	T	UG/L	30	1	0	0	0.000002	5.94E-07	MW-10	29-May-09		
PCB 105	D	UG/L	4	1	0	0	0.000003	8.45E-06	MW-10	13-Nov-08	0.017	EPA_SL_TapWater_05/13
PCB 105	T	UG/L	59	12	0	0	0.000007	6.63E-05	MW-10	24-Aug-05	0.017	EPA_SL_TapWater_05/13
PCB 109	D	UG/L	4	1	0	0	0.000001	1.84E-06	MW-10	13-Nov-08		
PCB 109	T	UG/L	29	1	0	0	0.000001	4.14E-06	MW-17S	23-Aug-07		
PCB 11	T	UG/L	4	3	0	0	0.00003	4.17E-05	MW-16S	19-Aug-10		
PCB 110	T	UG/L	14	11	0	0	0.00002	0.000134	MW-17S	23-Aug-07		
PCB 117	T	UG/L	30	1	0	0	0.000001	1.04E-05	MW-08	16-Apr-10		

**Table 2-6**  
**Groundwater Constituents of Potential Concern (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 118	T	UG/L	15	13	0	0	0.00001	8.84E-05	MW-17S	23-Aug-07	0.017	EPA_SL_TapWater_05/13
PCB 130	D	UG/L	4	1	0	0	0.000001	3.21E-06	MW-10	13-Nov-08		
PCB 130	T	UG/L	29	1	0	0	0.000001	7.71E-06	MW-17S	23-Aug-07		
PCB 132	D	UG/L	4	1	0	0	0.000002	7.62E-06	MW-10	13-Nov-08		
PCB 132	T	UG/L	24	5	0	0	0.000004	4.38E-05	MW-17S	23-Aug-07		
PCB 134	T	UG/L	30	1	0	0	0.000001	8.02E-06	MW-17S	23-Aug-07		
PCB 136	T	UG/L	25	6	0	0	0.000002	1.48E-05	MW-17S	23-Aug-07		
PCB 137	D	UG/L	4	1	0	0	0.000001	3.19E-06	MW-10	13-Nov-08		
PCB 137	T	UG/L	30	1	0	0	0.000001	4.5E-06	MW-17S	23-Aug-07		
PCB 141	D	UG/L	4	1	0	0	0.000005	0.000018	MW-10	13-Nov-08		
PCB 141	T	UG/L	27	2	0	0	0.000002	1.73E-05	MW-17S	23-Aug-07		
PCB 146	D	UG/L	4	1	0	0	0.000002	7.54E-06	MW-10	13-Nov-08		
PCB 146	T	UG/L	28	3	0	0	0.000001	8.56E-06	MW-17S	23-Aug-07		
PCB 15	D	UG/L	4	2	0	0	0.000001	1.85E-06	MW-09	13-Nov-08		
PCB 15	T	UG/L	29	4	0	0	0.000004	4.69E-06	MW-15S	22-May-07		
PCB 156	T	UG/L	43	1	0	0	0.000003	3.89E-05	MW-10	24-Aug-05	0.017	EPA_SL_TapWater_05/13
PCB 157	T	UG/L	43	1	0	0	0.000002	7.71E-06	MW-10	24-Aug-05	0.017	EPA_SL_TapWater_05/13
PCB 158	D	UG/L	4	1	0	0	0.000001	3.91E-06	MW-10	13-Nov-08		
PCB 158	T	UG/L	27	1	0	0	0.000001	1.07E-05	MW-17S	23-Aug-07		
PCB 16	T	UG/L	26	9	0	0	0.000002	6.92E-06	MW-9R	08-Apr-11		
PCB 162	T	UG/L	30	1	0	0	0.000001	2.32E-06	MW-08	16-May-07		
PCB 164	D	UG/L	4	1	0	0	0.000001	2.24E-06	MW-10	13-Nov-08		
PCB 164	T	UG/L	29	2	0	0	0.000001	6.72E-06	MW-17S	23-Aug-07		
PCB 167	D	UG/L	4	1	0	0	0.000001	3.74E-06	MW-10	13-Nov-08	0.017	EPA_SL_TapWater_05/13
PCB 167	T	UG/L	72	2	0	0	0.000002	1.41E-05	MW-10	24-Aug-05	0.017	EPA_SL_TapWater_05/13
PCB 169	T	UG/L	65	1	3	0	0.000004	3.45E-06	MW-10	19-Jan-06	0.000017	EPA_SL_TapWater_05/13
PCB 17	T	UG/L	21	8	0	0	0.000002	5.87E-06	MW-9R	08-Apr-11		
PCB 170	D	UG/L	4	1	0	0	0.000005	1.68E-05	MW-10	13-Nov-08		
PCB 170	T	UG/L	26	4	0	0	0.000002	7.53E-06	MW-14S	23-May-07		
PCB 172	D	UG/L	4	1	0	0	0.000002	4.17E-06	MW-10	13-Nov-08		
PCB 174	D	UG/L	4	1	0	0	0.000004	1.35E-05	MW-10	13-Nov-08		
PCB 174	T	UG/L	26	3	0	0	0.000002	1.01E-05	MW-14S	23-May-07		
PCB 177	D	UG/L	4	1	0	0	0.000003	9.33E-06	MW-10	13-Nov-08		
PCB 177	T	UG/L	29	3	0	0	0.000002	1.13E-05	MW-17S	23-Aug-07		
PCB 178	D	UG/L	4	1	0	0	0.000001	4.05E-06	MW-10	13-Nov-08		
PCB 179	T	UG/L	27	3	0	0	0.000001	3.08E-06	MW-14S	23-May-07		
PCB 183	D	UG/L	4	1	0	0	0.000002	5.41E-06	MW-10	13-Nov-08		
PCB 183	T	UG/L	29	3	0	0	0.000001	6.64E-06	MW-17S	23-Aug-07		
PCB 185	D	UG/L	4	1	0	0	0.000001	1.47E-06	MW-10	13-Nov-08		
PCB 187	T	UG/L	20	9	0	0	0.000003	1.31E-05	MW-14S	23-May-07		
PCB 189	T	UG/L	73	1	0	0	0.000001	1.26E-05	MW-10	24-Aug-05	0.017	EPA_SL_TapWater_05/13
PCB 19	T	UG/L	28	2	0	0	0.000001	2.16E-06	MW-15S	22-May-07		
PCB 190	D	UG/L	4	1	0	0	0.000001	3.7E-06	MW-10	13-Nov-08		
PCB 194	D	UG/L	4	1	0	0	0.000003	1.11E-05	MW-10	13-Nov-08		
PCB 194	T	UG/L	25	6	0	0	0.000002	6.68E-06	MW-14S	23-May-07		

**Table 2-6**  
**Groundwater Constituents of Potential Concern (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 195	D	UG/L	4	1	0	0	0.000002	3.94E-06	MW-10	13-Nov-08		
PCB 196	D	UG/L	4	1	0	0	0.000001	3.2E-06	MW-10	13-Nov-08		
PCB 196	T	UG/L	30	3	0	0	0.000001	4.85E-06	MW-17S	23-Aug-07		
PCB 2	D	UG/L	4	1	0	0	0.000001	2.36E-06	MW-09	13-Nov-08		
PCB 2	T	UG/L	29	8	0	0	0.000002	6.54E-06	MW-10	22-Aug-07		
PCB 202	D	UG/L	4	1	0	0	0.000001	3.63E-06	MW-10	13-Nov-08		
PCB 202	T	UG/L	30	2	0	0	0.000001	1.76E-06	MW-10	29-May-09		
PCB 203	D	UG/L	4	1	0	0	0.000002	6.15E-06	MW-10	13-Nov-08		
PCB 203	T	UG/L	29	3	0	0	0.000001	3.98E-06	MW-14S	23-May-07		
PCB 206	D	UG/L	4	1	0	0	0.000005	1.25E-05	MW-10	13-Nov-08		
PCB 206	T	UG/L	30	2	0	0	0.000002	5.96E-06	MW-14S	23-May-07		
PCB 207	D	UG/L	4	1	0	0	0.000002	3.65E-06	MW-10	13-Nov-08		
PCB 208	D	UG/L	4	1	0	0	0.000002	5.45E-06	MW-10	13-Nov-08		
PCB 208	T	UG/L	30	1	0	0	0.000002	2.7E-06	MW-10	29-May-09		
PCB 209	D	UG/L	4	1	0	0	0.000001	0.000051	MW-10	13-Nov-08		
PCB 209	T	UG/L	27	15	0	0	0.000008	5.11E-05	MW-08	16-May-07		
PCB 22	T	UG/L	26	9	0	0	0.000002	0.000011	MW-9R	08-Apr-11		
PCB 25	T	UG/L	30	2	0	0	0.000001	5.52E-06	MW-9R	11-Apr-12		
PCB 3	D	UG/L	4	2	0	0	0.000002	2.78E-06	MW-09	13-Nov-08		
PCB 3	T	UG/L	24	7	0	0	0.000002	7.46E-06	MW-10	22-Aug-07		
PCB 31	T	UG/L	6	4	0	0	0.000004	1.78E-05	MW-9R	08-Apr-11		
PCB 32	T	UG/L	23	14	0	0	0.000002	7.94E-06	MW-09	16-May-07		
PCB 37	T	UG/L	29	5	0	0	0.000001	8.66E-06	MW-9R	08-Apr-11		
PCB 4	D	UG/L	4	4	0	0	0.000005	6.9E-06	MW-09	13-Nov-08		
PCB 4	T	UG/L	21	7	0	0	0.000007	9.11E-06	MW-14S	22-Aug-07		
PCB 41	T	UG/L	30	1	0	0	0.000001	4.05E-06	MW-9R	08-Apr-11		
PCB 42	T	UG/L	30	2	0	0	0.000001	7.12E-06	MW-9R	08-Apr-11		
PCB 45	T	UG/L	30	1	0	0	0.000001	4.6E-06	MW-9R	08-Apr-11		
PCB 48	T	UG/L	30	3	0	0	0.000001	5.36E-06	MW-9R	08-Apr-11		
PCB 51	T	UG/L	28	4	0	0	0.000007	0.000122	MW-16S	19-Aug-10		
PCB 52	T	UG/L	7	6	0	0	0.000006	0.000022	MW-9R	08-Apr-11		
PCB 56	T	UG/L	28	7	0	0	0.000001	0.000014	MW-9R	08-Apr-11		
PCB 6	D	UG/L	4	1	0	0	0.000001	1.94E-06	MW-09	13-Nov-08		
PCB 6	T	UG/L	28	1	0	0	0.000003	3.45E-06	MW-15S	22-May-07		
PCB 60	T	UG/L	30	4	0	0	0.000001	9.2E-06	MW-9R	08-Apr-11		
PCB 64	T	UG/L	23	10	0	0	0.000002	1.23E-05	MW-9R	08-Apr-11		
PCB 66	T	UG/L	25	14	0	0	0.000003	2.05E-05	MW-9R	08-Apr-11		
PCB 68	T	UG/L	28	4	0	0	0.000005	8.26E-05	MW-16S	19-Aug-10		
PCB 7	T	UG/L	29	1	0	0	0.000003	2.51E-06	MW-16S	19-Aug-10		
PCB 77	T	UG/L	59	2	0	0	0.000003	9.65E-06	MW-08	15-Feb-06	0.0052	EPA_SL_TapWater_05/13
PCB 8	T	UG/L	17	9	0	0	0.000006	8.65E-06	MW-16S	21-Aug-07		
PCB 82	T	UG/L	30	2	0	0	0.000002	1.24E-05	MW-17S	23-Aug-07		
PCB 84	T	UG/L	25	3	0	0	0.000001	5.46E-06	MW-08	08-Apr-11		
PCB 9	T	UG/L	28	3	0	0	0.000003	4.99E-06	MW-09	16-May-07		
PCB 91	T	UG/L	28	3	0	0	0.000001	3.49E-06	MW-08	08-Apr-11		

**Table 2-6**  
**Groundwater Constituents of Potential Concern (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
PCB 92	T	UG/L	27	2	0	0	0.000002	1.24E-05	MW-17S	23-Aug-07		
PCB 95	T	UG/L	12	9	0	0	0.000006	1.31E-05	MW-08	08-Apr-11		
PCB 99	T	UG/L	19	6	0	0	0.000002	7.04E-06	MW-08	16-May-07		
PCB-106/118	T	UG/L	38	2	0	0	0.00001	0.00021	MW-10	24-Aug-05		
PCB-108/119/86/97/125/87	T	UG/L	22	11	0	0	0.000005	1.27E-05	MW-14S	23-May-07		
PCB-113/90/101	T	UG/L	12	8	0	0	0.000006	1.33E-05	MW-9R	08-Apr-11		
PCB-116/85	D	UG/L	4	1	0	0	0.000002	4.51E-06	MW-10	13-Nov-08		
PCB-116/85	T	UG/L	30	3	0	0	0.000001	1.02E-05	MW-17S	23-Aug-07		
PCB-128/166	D	UG/L	4	1	0	0	0.000003	8.68E-06	MW-10	13-Nov-08		
PCB-128/166	T	UG/L	27	4	0	0	0.000002	2.63E-05	MW-17S	23-Aug-07		
PCB-147/149	T	UG/L	15	12	0	0	0.00001	6.41E-05	MW-17S	23-Aug-07		
PCB-151/135	T	UG/L	25	8	0	0	0.00000	2.45E-05	MW-17S	23-Aug-07		
PCB-153/168	D	UG/L	3	1	0	0	0.00002	5.46E-05	MW-10	13-Nov-08		
PCB-153/168	T	UG/L	11	9	0	0	0.00001	5.57E-05	MW-17S	23-Aug-07		
PCB-156/157	D	UG/L	4	1	0	0	0.00000	7.7E-06	MW-10	13-Nov-08		
PCB-156/157	T	UG/L	27	3	0	0	0.00000	1.47E-05	MW-17S	23-Aug-07		
PCB-163/138/129	D	UG/L	3	1	0	0	0.00002	5.72E-05	MW-10	13-Nov-08		
PCB-163/138/129	T	UG/L	13	12	0	0	0.00002	0.00011	MW-17S	23-Aug-07		
PCB-171/173	D	UG/L	4	1	0	0	0.00000	4.25E-06	MW-10	13-Nov-08		
PCB-180/193	D	UG/L	4	1	0	0	0.00001	3.84E-05	MW-10	13-Nov-08		
PCB-180/193	T	UG/L	17	9	0	0	0.00000	1.84E-05	MW-14S	23-May-07		
PCB-198/199	D	UG/L	4	1	0	0	0.00000	1.21E-05	MW-10	13-Nov-08		
PCB-198/199	T	UG/L	26	2	0	0	0.00000	7.28E-06	MW-14S	23-May-07		
PCB-21/33	T	UG/L	19	7	0	0	0.00000	0.000011	MW-9R	08-Apr-11		
PCB-26/29	T	UG/L	29	3	0	0	0.00000	3.8E-06	MW-9R	08-Apr-11		
PCB-28/20	T	UG/L	4	2	0	0	0.00000	8.68E-06	MW-17S	18-Aug-10		
PCB-30/18	T	UG/L	10	8	0	0	0.00000	1.29E-05	MW-9R	08-Apr-11		
PCB-44/47/65	T	UG/L	10	8	0	0	0.00002	0.000103	MW-16S	19-Aug-10		
PCB-50/53	T	UG/L	29	6	0	0	0.00000	3.59E-06	MW-9R	08-Apr-11		
PCB-59/62/75	T	UG/L	30	1	0	0	0.00000	0.000003	MW-9R	08-Apr-11		
PCB-61/70/74/76	T	UG/L	18	15	0	0	0.00001	3.44E-05	MW-9R	08-Apr-11		
PCB-69/49	T	UG/L	19	14	0	0	0.00000	1.38E-05	MW-9R	08-Apr-11		
PCB-71/40	T	UG/L	25	6	0	0	0.00000	1.43E-05	MW-9R	08-Apr-11		
TOTAL DECACHLOROBIPHENYLS	T	UG/L	39	3	0	0	0.00002	0.00023	MW-08	22-Jul-05		
TOTAL DICHLOROBIPHENYLS	T	UG/L	43	9	0	0	0.00007	0.00089	MW-10	24-Aug-05		
TOTAL HEPTACHLOROBIPHENYLS	D	UG/L	4	1	0	0	0.00003	0.000124	MW-10	13-Nov-08		
TOTAL HEPTACHLOROBIPHENYLS	T	UG/L	56	11	0	0	0.00013	0.00593	MW-10	24-Aug-05		
TOTAL HEXACHLOROBIPHENYLS	T	UG/L	53	17	0	0	0.00012	0.00455	MW-10	24-Aug-05		
TOTAL MONOCHLOROBIPHENYLS	D	UG/L	4	3	0	0	0.00000	8.73E-06	MW-09	13-Nov-08		
TOTAL MONOCHLOROBIPHENYLS	T	UG/L	60	11	0	0	0.00001	2.52E-05	MW-10	22-Aug-07		
TOTAL NONACHLOROBIPHENYLS	D	UG/L	4	1	0	0	0.00001	2.16E-05	MW-10	13-Nov-08		
TOTAL NONACHLOROBIPHENYLS	T	UG/L	69	3	0	0	0.00001	0.000124	MW-10	24-Aug-05		
TOTAL OCTACHLOROBIPHENYLS	D	UG/L	4	1	0	0	0.00001	4.01E-05	MW-10	13-Nov-08		
TOTAL OCTACHLOROBIPHENYLS	T	UG/L	64	7	0	0	0.00005	0.00196	MW-10	24-Aug-05		
TOTAL PCB (CONGENERS)	T	UG/L	6	6	0	0	0.00341	0.0164	MW-10	24-Aug-05		

**Table 2-6**  
**Groundwater Constituents of Potential Concern (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>A</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
TOTAL PENTACHLOROBIPHENYLS	T	UG/L	48	14	0	0	0.00007	0.00146	MW-10	24-Aug-05		
TOTAL TETRACHLOROBIPHENYLS	T	UG/L	35	14	0	0	0.00009	0.000784	MW-10	24-Aug-05		
TOTAL TRICHLOROBIPHENYLS	T	UG/L	35	10	0	0	0.00006	0.000565	MW-10	24-Aug-05		
ALUMINUM	D	UG/L	27	3	0	0	63.13600	394	MW-17S	23-Aug-07	16000	EPA_SL_TapWater_05/13
ALUMINUM	T	UG/L	26	18	0	0	811.36250	5820	MW-08	29-May-09	16000	EPA_SL_TapWater_05/13
ANTIMONY*	D	UG/L	27	2	2	2	5.43182	12.3	MW-09	22-Aug-07	6	FED_MCL
ARSENIC	D	UG/L	27	4	0	0	0.65636	1.5	MW-17S	23-Aug-07	10	FED_MCL
ARSENIC	T	UG/L	85	9	0	0	2.91182	2.9	MW-09	05-Oct-10	10	FED_MCL
BARIUM	D	UG/L	27	27	0	0	85.64800	209	MW-17S	23-Aug-07	2000	FED_MCL
BARIUM	T	UG/L	27	27	0	0	90.25200	240	MW-17S	26-May-10	2000	FED_MCL
BERYLLIUM	T	UG/L	25	3	0	0	0.46348	0.35	MW-09	29-May-09	4	FED_MCL
CADMIUM	D	UG/L	27	2	0	0	0.72180	1.8	MW-13S	17-May-07	5	FED_MCL
CADMIUM	T	UG/L	27	2	0	0	0.69420	1.1	MW-13S	17-May-07	5	FED_MCL
CALCIUM	D	UG/L	23	23	0	0	106456.66667	732000	MW-10	22-Aug-07		
CALCIUM	T	UG/L	23	23	0	0	113507.14286	798000	MW-10	22-Aug-07		
CHROMIUM	D	UG/L	22	3	0	0	1.77000	7.9	MW-17S	23-Aug-07	100	FED_MCL
CHROMIUM	T	UG/L	19	12	0	0	6.93824	22.7	MW-17S	23-Aug-07	100	FED_MCL
COBALT	D	UG/L	25	21	17	17	21.1	168	MW-15S	21-Aug-07	4.7	EPA_SL_TapWater_05/13
COBALT	T	UG/L	25	23	21	21	20.7	153	MW-15S	21-Aug-07	4.7	EPA_SL_TapWater_05/13
COPPER	D	UG/L	23	11	0	0	6.03810	30.6	MW-13S	17-May-07	1300	FED_MCL
COPPER	T	UG/L	24	20	0	0	12.22500	33.6	MW-13S	20-Aug-07	1300	FED_MCL
FERROUS IRON	T	UG/L	17	17	0	0	9822.88000	45500	MW-09	29-May-09		
IRON	D	UG/L	26	21	7	7	10482.6	43900	MW-09	13-Nov-08	11000	EPA_SL_TapWater_05/13
IRON	T	UG/L	46	46	18	18	17086.5	52700	MW-09	16-May-07	11000	EPA_SL_TapWater_05/13
LEAD	D	UG/L	17	11	0	0	0.27807	1.7	MW-13S	17-May-07	15	FED_MCL
LEAD	T	UG/L	29	22	0	0	2.22689	10.3	MW-13S	20-Aug-07	15	FED_MCL
MAGNESIUM	D	UG/L	23	23	0	0	24701.42857	58500	MW-17S	24-May-07		
MAGNESIUM	T	UG/L	23	23	0	0	25045.23810	58800	MW-10	22-Aug-07		
MANGANESE	D	UG/L	29	29	22	22	1954.6	10200	MW-17S	26-May-10	320	EPA_SL_TapWater_05/13
MANGANESE	T	UG/L	89	89	56	56	914.2	9230	MW-17S	26-May-10	320	EPA_SL_TapWater_05/13
MERCURY	D	UG/L	21	2	0	0	0.03457	0.13	MW-09	16-May-07	2	FED_MCL
MERCURY	T	UG/L	23	2	0	0	0.03329	0.11	MW-09	16-May-07	2	FED_MCL
NICKEL	D	UG/L	27	24	0	0	23.24000	142	MW-15S	21-Aug-07	300	EPA_SL_TapWater_05/13
NICKEL	T	UG/L	27	26	0	0	22.62400	122	MW-15S	21-Aug-07	300	EPA_SL_TapWater_05/13
POTASSIUM	D	UG/L	23	23	0	0	4303.61905	14900	MW-10	13-Nov-08		
POTASSIUM	T	UG/L	23	23	0	0	4433.52381	15300	MW-10	13-Nov-08		
SELENIUM	T	UG/L	23	1	0	0	4.65238	1.1	MW-10	29-May-09	50	FED_MCL
SILVER	D	UG/L	23	1	0	0	0.94524	2.3	MW-17S	24-May-07	71	EPA_SL_TapWater_05/13
SODIUM	D	UG/L	23	23	0	0	129443.33333	427000	MW-16S	21-Aug-07		
SODIUM	T	UG/L	23	23	0	0	131196.66667	378000	MW-16S	21-Aug-07		
THALLIUM	D	UG/L	27	4	4	1	1.2	26.2	MW-10	22-Oct-09	2	FED_MCL
THALLIUM	T	UG/L	85	5	46	2	4.4	62.5	MW-10	11-Apr-06	2	FED_MCL
TITANIUM	D	UG/L	23	2	0	0	2.34762	16.6	MW-17S	23-Aug-07		
TITANIUM	T	UG/L	23	17	0	0	34.44762	254	MW-08	29-May-09		
VANADIUM	D	UG/L	23	1	0	0	0.90952	1.6	MW-13S	20-Aug-07	63	EPA_SL_Tapwater_05/13

**Table 2-6**  
**Groundwater Constituents of Potential Concern (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average <sup>^</sup>	Maximum Detection	Maximum Location	MaxDate	Screening Levels	Sources
VANADIUM	T	UG/L	23	16	0	0	6.10238	28.1	MW-10	16-May-07	63	EPA_SL_Tapwater_05/13
ZINC	D	UG/L	22	19	0	0	106.19250	887	MW-13S	17-May-07	4700	EPA_SL_TapWater_05/13
ZINC	T	UG/L	20	19	0	0	82.67500	347	MW-13S	20-Aug-07	4700	EPA_SL_TapWater_05/13
ALKALINITY, BICARB. AS CaCO3 AT	T	UG/L	23	23	0	0	66961.90476	172000	MW-17S	23-Aug-07		
AMMONIA	T	UG/L	22	3	0	0	218.50000	1700	MW-17S	23-Aug-07		
CHLORIDE	T	UG/L	23	23	0	0	339300.00000	1920000	MW-10	22-Aug-07		
CYANIDE	T	UG/L	23	1	0	0	3.71429	28	MW-08	21-Aug-07	200	FED_MCL
FERRIC IRON	T	UG/L	23	19	0	0	2974.57143	15200	MW-09	16-May-07		
NITRATE*	T	UG/L	23	8	1	1	1418.57143	11100	MW-15S	21-Aug-07	10000	FED_MCL
NITRITE	T	UG/L	23	9	0	0	33.21429	160	MW-15S	22-May-07	1000	FED_MCL
PHOSPHORUS	T	UG/L	23	1	23	1	228.57143	2300	MW-10	13-Nov-08	0.31	EPA_SL_TapWater_05/13
SILICA	T	UG/L	23	23	0	0	30595.23810	57200	MW-15S	21-Aug-07		
SULFATE	T	UG/L	23	21	0	0	125061.90476	395000	MW-13S	20-Aug-07		
TOTAL DISSOLVED SOLIDS	T	UG/L	16	16	0	0	983437.50000	2220000	MW-10	16-May-06		
TOTAL HARDNESS AS CaCO3	T	UG/L	14	14	0	0	265350.00000	568000	MW-17S	24-May-07		
TOTAL ORGANIC CARBON	T	UG/L	37	28	0	0	2605.83333	15700	MW-09	16-May-06		
TOTAL SUSPENDED SOLIDS	T	UG/L	47	46	0	0	88795.55556	1100000	MW-10	16-May-07		
DISSOLVED OXYGEN (FIELD)	T	UG/L	77	77	0	0	876.80556	7130	MW-15S	22-May-07		
HPCDFS	D	UG/L	4	1	0	0	0.00000	2.23E-06	MW-10	13-Nov-08		
HPCDFS	T	UG/L	59	5	0	0	0.00000	5.56E-06	MW-08	16-May-07		
TOTAL HPCDDS	T	UG/L	40	13	0	0	0.00000	1.29E-05	MW-10	15-Feb-06		

Highlighted concentrations exceed the screening levels and were identified as chemicals of potential concern.

<sup>^</sup> Average was calculated using the detected concentrations and 1/2 of the detection limits for non-detected concentrations.

\* Naphthalene, antimony, and nitrate were occasionally detected in 2007. Therefore, they were not identified as COPCs.

EPA\_SL\_TapWater\_05/13 - USEPA Regional Screening Levels for Tap Water dated 05/2013.

FED\_MCL - Federal Maximum Contamination Levels.

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S
			Date	5/27/09			10/20/09	4/23/10	4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	FS	FS	DUP	FS	FS		
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---		ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
1,1-DICHLOROETHANE	UG/L	T	---	---	---		ND (1)						ND (1)		ND (1)	ND (1)	
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a	ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a	ND (1)						ND (1)		ND (1)	ND (0.9)	
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a	ND (1)						ND (1)		ND (1)	ND (0.9)	
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b	ND (6)						ND (6)		ND (6)	ND (6)	
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a	ND (0.5)						ND (0.5)		ND (0.5)	ND (0.5)	
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b	ND (1)						2 J		1 J	ND (1)	
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c	ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a	ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---		ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b	ND (1)						ND (1)		ND (1)	ND (1)	
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a	ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
METHYL CHLORIDE	UG/L	T	---	---	---		ND (1)						ND (1)		ND (1)	ND (1)	
METHYL ETHYL KETONE	UG/L	T	---	---	---		ND (3)						ND (3)		ND (3)	ND (3)	
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a	ND (2)						ND (2)		ND (2)	ND (2)	
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a	ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a	ND (0.7)						ND (0.7)		ND (0.7)	ND (0.7)	
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a	ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a	ND (1)						ND (1)		ND (1)	ND (1)	
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a	ND (1)						ND (1)		ND (1)	ND (1)	
XYLENES	UG/L	T	---	---	---		ND (0.8)						ND (0.8)		ND (0.8)	ND (0.8)	
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c	ND (3) R						ND (3)		ND (3)	ND (3)	
2-METHYLNAPHTHALENE	UG/L	T	---	---	---		ND (1)						ND (1)		ND (1)	ND (0.9)	
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---		ND (1) R						ND (1)		ND (1)	ND (0.9)	
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b	ND (0.5)						ND (1)		ND (1)	ND (0.9)	
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a	0.021 J						ND (1)		ND (1)	ND (0.9)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a	ND (2)						ND (2)		9	ND (2)	
CARBAZOLE	UG/L	T	---	---	---		ND (1)						ND (1)		ND (1)	ND (0.9)	
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a	ND (0.04)						ND (1)		ND (1)	ND (0.9)	
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b	ND (1)						ND (1)		ND (1)	ND (0.9)	
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a	ND (2)						11		ND (2)	ND (2)	
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a	ND (0.1)						ND (1)		ND (1)	ND (0.9)	
HEXACHLOROENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)	ND (1)		ND (1)	ND (0.9)	
NAPHTHALENE	UG/L	T	---	---	---		ND (1)						ND (1)		ND (1)	ND (0.9)	
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b	ND (0.04)						ND (1)		ND (1)	ND (0.9)	
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a	ND (0.00000788)			ND (0.000009647596)			ND (0.00000603)	ND (0.0000103) U	ND (0.0000169) U	ND (0.00000373) U	0.00000857 N
ALUMINIUM	UG/L	D	---	---	n/a		3330 J						110 J		ND (80.2)	227	
ALUMINIUM	UG/L	T	---	---	n/a		3610 J						5800		220	19100	
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a	ND (9.7)	ND (9.7)					ND (9.7)		ND (9.7)	ND (9.7)	
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a	ND (9.7)	ND (9.7)	ND (0.3)		ND (0.3)	ND (0.3)	ND (9.7)		ND (9.7)	ND (9.7)	
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a	7.3	ND (7.2)					ND (0.7)		ND (0.7)	3.5	
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a	7.1	11.2 B	9		9.8	11.1	ND (0.7)		ND (0.7)	21	
BARIUM	UG/L	D	---	---	n/a		24						56.6		55.8	337	
BARIUM	UG/L	T	---	---	n/a		25						61.1		56.6	628	
BERYLLIUM	UG/L	D	---	---	n/a		8.8 J						ND (0.9)		ND (0.9)	ND (0.9)	
BERYLLIUM	UG/L	T	---	---	n/a		8.3 J						ND (0.9)		ND (0.9)	1.4 J	
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a	2.2 J						ND (0.9)		ND (0.9)	1.4 J	
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a	ND (2)						ND (0.9)		ND (0.9)	4.9 J	
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a	ND (3)						ND (2.3)		ND (2.3)	5.7 J	
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a	ND (3)						30.8		14.7 J	157	
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b	355						ND (2.1)		ND (2.1)	2.1 J	
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b	333						6		ND (2.1)	17.2	
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b	14.4						ND (2.2)		ND (2.2)	ND (2.2) UJ	
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b	15.9						10.4		ND (2.2)	132 J	
FERROUS IRON	UG/L	T	---	---	---		930						7400		7800 J	107000	
IRON	UG/L	D	1.14E+07	2.92E+07	300	b	7300						6530		6730	79700	
IRON	UG/L	T	1.14E+07	2.92E+07	300	b	5550						16400		8470	140000	



**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S
			Date	5/27/09			10/20/09	4/23/10	4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	FS	FS	DUP	FS	FS		
LEAD	UG/L	D	---	---	n/a		2.4						0.089 B		ND (0.047)	1.7	
LEAD	UG/L	T	---	---	n/a		3.4						1.8		0.48 J	146	
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	7740	5850					85.2		79.8	1290	
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	6590	5570	7920		7340	4480	109		100	2080	
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a	0.082 B						ND (0.056)		ND (0.056) UJ	ND (0.056)	
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a	ND (0.056)						ND (0.056)		ND (0.056)	0.21 J	
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	118						ND (5.6)		ND (5.6)	12.1	
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	116						11.9		13.5	82	
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a	ND (0.99)						ND (9.4)		ND (9.4)	ND (9.4)	
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a	ND (0.99)						ND (9.4)		ND (9.4)	ND (9.4)	
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a	ND (2.2)						ND (1.6)		ND (1.6)	ND (1.6)	
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a	ND (2.2)						ND (1.6)		ND (1.6)	2.2 J	
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a	0.24 J	70.4					ND (0.037)		ND (0.037)	ND (0.037)	
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a	0.18 J	ND (14)	0.21 J		0.2 J	0.19 J	ND (0.037)		ND (0.037)	0.36 J	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b	ND (3.8)						3.9 J		ND (2.8)	16.6 J	
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b	23.1						150		9.2 J	1070 J	
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b	ND (2.5)						ND (1.5)		ND (1.5)	2 J	
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b	3.7 J						32.8		2.1 J	81.5	
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	192						ND (8.1)		ND (8.1)	37	
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	185						13.2 J		ND (8.1)	566	
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---		ND (460)						86500		88400	682000	
AMMONIA	UG/L	T	---	---	---		ND (200)						ND (200)		430 J	12100 J	
CHLORIDE	UG/L	T	---	---	---		34600						15600		16700	569000	
FERRIC IRON	UG/L	T	---	---	---		4600						9000		690 J	33000	
NITRATE	UG/L	T	---	---	---		720						ND (40) UJ		ND (40)	ND (40) UJ	
NITRITE	UG/L	T	---	---	---		ND (15) UJ						ND (15) UJ		ND (15) UJ	91 J	
PHOSPHORUS	UG/L	T	---	---	---		ND (250)						ND (250)		ND (250)	580	
SILICA	UG/L	T	---	---	---		48700						21300		22100 J	33500	
SULFATE	UG/L	T	---	---	---		124000						ND (10000)		3500 J	ND (25000)	
SULFIDE	UG/L	T	---	---	---		ND (54)						91 J		97 J	ND (54) UJ	
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---											1080000 J	
TOTAL ORGANIC CARBON	UG/L	T	---	---	---		520 B						ND (1000)		2100	24600	
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---		52400						133000		36400	318000	
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		clear	cloudy		NS	NS	Clear	Lt. Tan		clr	Clear	
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		-3440	370		190	-2500	720	630		450	780	
ODOR (FIELD)	NS	T	---	---	---		none	No		NS	NS	None	No		no	No	
OVABZONE	PPM	T	---	---	---					NS	NS					NR	
OVACASING	PPM	T	---	---	---					NS	NS					NR	
TOTAL WELL DEPTH	Feet	T	---	---	---					NS	NS						
HPCDFS	UG/L	T	---	---	---		0.00000705 B						ND (0.00000148) U	ND (0.000000868) U	ND (0.000000548) U	0.00035	

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	MW-19S	MW-19S	
			Date	8/23/07			8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10	5/18/07	8/22/07	5/26/10		
			Top (ft)	0			0	0	0	0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0		
			Duplicate	DUP			FS	FS	FS	FS	FS	FS	FS	FS	FS		
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---			ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	---	---	---			ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a		ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)		
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b		8 J	10 J	13 J				ND (6)	ND (6)		
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a		ND (0.5)	ND (0.5)	ND (0.5)				ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c		ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a		ND (0.8)	ND (0.8)	ND (0.8)				1 J	0.8 J		
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---			ND (0.8)	ND (0.8)	ND (0.8)				2 J	1 J		
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a		ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	---	---	---			ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T	---	---	---			ND (3)	ND (3)	ND (3)				ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a		ND (2)	ND (2)	ND (2)				ND (2)	ND (2)		
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a		ND (0.8)	ND (0.8)	ND (0.8)				20	14		
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a		ND (0.7)	ND (0.7)	ND (0.7)				ND (0.7)	ND (0.7)		
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a		ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a		ND (1)	ND (1)	ND (1)				2 J	1 J		
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
XYLENES	UG/L	T	---	---	---			ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c		ND (3)	ND (3)	ND (3)				ND (3)	ND (3)		
2-METHYLNAPHTHALENE	UG/L	T	---	---	---			ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---			ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a		4 J	ND (2)	ND (2)				ND (2)	ND (2)		
CARBAZOLE	UG/L	T	---	---	---			ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a		ND (2)	280	24				ND (2)	ND (2)		
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
HEXACHLOROENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
NAPHTHALENE	UG/L	T	---	---	---			ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)		
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a		ND (0.00000713) U	ND (0.0000116) U	000000449) U	ND (0.00000479) U		ND (0.00000784) U	00002596497) U	000000617) U	ND (0.00000616) U	00009117906) U
ALUMINIUM	UG/L	D	---	---	n/a			ND (80.2)	ND (80.2)	ND (80.2)			ND (80.2)	ND (83.4)	222	113 J	ND (80.2)
ALUMINIUM	UG/L	T	---	---	n/a			382	642	183 J	678 J		883		1020	422	1410
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a		ND (9.7)	ND (9.7)	ND (9.7)				ND (9.7)	16 J		
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a		ND (9.7)	ND (9.7)	ND (9.7)				ND (9.7)	ND (9.7)		
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a		4.6	ND (0.7)	ND (0.7)				ND (0.7)	ND (0.7)		
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a		12.7	ND (0.7)	0.8 J				ND (0.7)	ND (0.7)		
BARIUM	UG/L	D	---	---	n/a			313	60.7	59.7	73.7		71.6		48.4	93.4	147
BARIUM	UG/L	T	---	---	n/a			339	63.8	60.4	74.3		72.5		49.2	100	155
BERYLLIUM	UG/L	D	---	---	n/a			ND (0.9)	ND (0.94)	ND (0.9)	ND (1.4)		ND (1.4)		ND (0.94)	ND (0.9)	1.5 J
BERYLLIUM	UG/L	T	---	---	n/a			ND (0.9)	ND (0.94)	ND (0.9)	ND (1.4)		ND (1.4)		ND (0.94)	ND (0.9)	1.7 J
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a		ND (0.9)	ND (0.91)	ND (0.9)	ND (2)		ND (2)		ND (0.91)	ND (0.9)	ND (2)
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a		ND (0.9)	ND (0.91)	ND (0.9)	ND (2)		ND (2)		ND (0.91)	ND (0.9)	ND (2)
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a		ND (2.3)	ND (2.3)	ND (2.3)				ND (2.3)	ND (2.3)		
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a		21.7	2.9 B	5.9 J				2.3 B	ND (2.3)		
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b		3.3 J	ND (2.1)	ND (2.1)	ND (2.1)		ND (2.3)		8.2	7.2	ND (2.1)
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b		ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)		ND (2.3)		8.2	3.4 J	ND (2.1)
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b		12 B	ND (2.2)	ND (2.2)	ND (2.7)		ND (2.7)		3.7 B	11.4 B	3.2 J
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b		7.3 B	ND (2.2)	2.7 B	ND (2.7)		ND (2.7)		4.2 B	4.9 B	9.6 J
FEROUS IRON	UG/L	T	---	---	---			103000 J	1300 J	2900 J				63 B	12 J		
IRON	UG/L	D	1.14E+07	2.92E+07	300	b		56800	215 J	2080	1640		2550		ND (52.2)	ND (52.2)	ND (52.2)
IRON	UG/L	T	1.14E+07	2.92E+07	300	b		104000	2070 J	3320	3330		3170		397 J	68.8 J	216

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19S	MW-19S
			Date	8/23/07			8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10	5/18/07	8/22/07	5/26/10
			Top (ft)	0			0	0	0	0	0	0	0	0	0
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0
			Duplicate	DUP			FS	FS	FS	FS	FS	FS	FS	FS	FS
LEAD	UG/L	D	---	---	n/a			1.1	0.087 B	0.081 B	ND (0.05)	ND (0.052)	0.18 B	0.44 J	0.5 J
LEAD	UG/L	T	---	---	n/a			9.2	0.48 B	0.39 J	0.76 J	0.093 B	0.47 B	0.34 J	2.1
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d		907	28.6	38.8	31.3	29.1 B	121	65.7	50.5
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d		867	32.4	41.1	34.5	29.9 B	121	46.7	51.2
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a		ND (0.056) UJ	ND (0.056)	ND (0.056) UJ			ND (0.056)	ND (0.056)	
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a		ND (0.056)	ND (0.056)	ND (0.056)			ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a		13.2	ND (5.6)	ND (5.6)	ND (1.8)	ND (3)	7.5 J	8 J	17.4
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a		13.5	ND (5.6)	ND (5.6)	4.9 J	ND (3)	7.7 J	6.7 J	19.7
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a		ND (9.4)	ND (9.4)	ND (9.4)			ND (9.4)	ND (9.4)	
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a		ND (9.4)	ND (9.4)	ND (9.4)			ND (9.4)	ND (9.4)	
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a		ND (1.6)	ND (1.6)	ND (1.6)			ND (1.6)	ND (1.6)	
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a		ND (1.6)	ND (1.6)	ND (1.6)			ND (1.6)	ND (1.6)	
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a		ND (0.037)	ND (0.037)	ND (0.037)			0.078 J	0.083 J	
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a		ND (0.037)	ND (0.037)	ND (0.037)			0.078 J	0.073 J	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b		ND (2.8)	ND (2.8)	ND (2.8)			ND (2.8)	ND (2.8)	
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b		21.6	18.1	8.4 J			11.3	ND (2.8)	
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b		ND (1.5)	ND (1.5)	ND (1.5)			ND (1.5)	ND (1.5)	
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b		7.9	2.4 J	3 J			2.1 J	1.5 J	
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a		91.1	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)	31.2 B	34.7	41.8
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a		30.4	ND (8.1)	9.4 J	ND (8.1)	ND (8.1)	32.1 B	22.4	56.5
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---			889000	109000	113000			24400	37900	
AMMONIA	UG/L	T	---	---	---			11900	ND (200)	ND (200)			ND (200)	ND (200)	
CHLORIDE	UG/L	T	---	---	---			627000	10500	11600			222000	386000	
FERRIC IRON	UG/L	T	---	---	---			ND (1600)	730	450 J			330	57 J	
NITRATE	UG/L	T	---	---	---			ND (40)	ND (40) UJ	ND (40)			2700 J	2500 J	
NITRITE	UG/L	T	---	---	---			100 J	ND (15)	ND (15) UJ			ND (15)	ND (15) UJ	
PHOSPHORUS	UG/L	T	---	---	---			520	ND (250)	ND (250)			ND (250)	ND (250)	
SILICA	UG/L	T	---	---	---			28500 J	12200	11600 J			11900	10900 J	
SULFATE	UG/L	T	---	---	---			ND (25000)	4900 J	3300 J			68900	71700	
SULFIDE	UG/L	T	---	---	---			ND (54)	ND (54)	85 J			ND (54)	ND (54)	
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---			1050000 J					163000	298000	
TOTAL ORGANIC CARBON	UG/L	T	---	---	---			26300	2300	2000			ND (1000)	ND (1000)	
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---			536000	23200	20000	16000	12800	46400	6400 J	12800
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---			clr	Clear	clr	NS	NS	Clear	clr	NS
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---			720	680	360	450	20	7920	5840	5830
ODOR (FIELD)	NS	T	---	---	---			no	No	no	NS	NS	No	no	NS
OVABZONE	PPM	T	---	---	---				NR		NS	NS	NR		NS
OVACASING	PPM	T	---	---	---				NR		NS	NS	NR		NS
TOTAL WELL DEPTH	Feet	T	---	---	---						NS	NS			NS
HPCDFS	UG/L	T	---	---	---			0.00000133 U*	0.00000096 U*	(0.0000015) U	ND (0.000000617) U		ND (0.000000714) U	ND (0.000000851) U	

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-19S	MW-2	MW-2	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D
			Date	8/19/10			5/27/09	10/20/09	4/14/10	10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	
			Top (ft)	0			0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	DUP	FS	FS	FS	FS	
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---			ND (0.8)					ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	---	---	---			ND (1)					ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a		ND (0.8)					ND (0.8)	ND (0.8)		
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a		ND (0.9) R					ND (1)	ND (1)		
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a		ND (0.9) R					ND (1)	ND (1)		
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b		ND (6)					ND (6)	ND (6)		
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a		ND (0.5)					ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b		ND (1)					ND (1)	1 J		
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c		ND (0.8)					ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a		8					ND (0.8)	ND (0.8)		
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---			ND (0.8)					ND (0.8)	ND (0.8)		
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b		ND (1)					ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a		ND (0.8)					ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	---	---	---			ND (1)					ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T	---	---	---			ND (3)					ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a		ND (2)					ND (2)	ND (2)		
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a		ND (0.8)					4 J	3 J		
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a		ND (0.7)					ND (0.7)	ND (0.7)		
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a		ND (0.8)					ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a		ND (1)					ND (1)	ND (1)		
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a		ND (1)					ND (1)	ND (1)		
XYLENES	UG/L	T	---	---	---			ND (0.8)					ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c		ND (3) R					ND (3)	ND (3)		
2-METHYLNAPHTHALENE	UG/L	T	---	---	---			ND (1)					ND (1)	ND (1)		
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---			ND (0.9) R					ND (1)	ND (1)		
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b		ND (0.5) R					ND (1)	ND (1)		
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a		ND (0.02) R					ND (1)	ND (1)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a		ND (2) R					ND (2)	ND (2)		
CARBAZOLE	UG/L	T	---	---	---			ND (0.9) R					ND (1)	ND (1)		
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a		ND (0.04) R					ND (1)	ND (1)		
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b		ND (0.9) R					ND (1)	ND (1)		
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a		ND (2) R					ND (2)	ND (2)		
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a		ND (0.099) R					ND (1)	ND (1)		
HEXACHLOROBENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a		ND (0.9) R	ND (0.9) R	ND (0.9) R	ND (1) R		ND (1)	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T	---	---	---			ND (0.99)					ND (1)	ND (1)		
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b		ND (0.04) R					ND (1)	ND (1)		
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a		ND (0.00000642)	ND (0.00000617)	ND (0.000007719945)		ND (0.00000107)	ND (0.0000015)	ND (0.00000505) U	ND (0.00000492) U	
ALUMINUM	UG/L	D	---	---	n/a			ND (83.4)	155000 J				ND (80.2)	ND (80.2)	ND (80.2)	
ALUMINUM	UG/L	T	---	---	n/a			155 J	172000 J				2300	106 J	228 B	
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a			ND (48.5)	ND (48.5)			ND (9.7)	ND (9.7)		
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a			ND (48.5)	0.64 J	ND (0.3)		ND (9.7)	ND (9.7)		
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a			147	217			ND (0.7)	ND (0.7)		
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a			162	287	159	163	245	ND (0.7)	ND (0.7)	
BARIUM	UG/L	D	---	---	n/a			148	3280				66.2	61.2	57.7	
BARIUM	UG/L	T	---	---	n/a			150	3560				81.2	63.2	59.1	
BERYLLIUM	UG/L	D	---	---	n/a			1.5 B	361 J				ND (0.9)	ND (0.9)	ND (1.4)	
BERYLLIUM	UG/L	T	---	---	n/a			1.5 B	353 J				ND (0.9)	ND (0.9)	ND (1.4)	
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a		ND (2)	23.7 J				ND (0.9)	ND (0.9)	ND (2)	
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a		ND (2)	23.5 J				ND (0.9)	ND (0.9)	ND (2)	
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a			ND (17)				ND (2.3)	ND (2.3)		
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a			ND (17)				19.2	ND (2.3)		
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b		ND (2.3)	3090				ND (2.1)	ND (2.1)	ND (2.1)	
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b		ND (2.3)	3130				13.1	ND (2.1)	ND (2.1)	
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b		ND (2.7)	237				ND (2.2)	ND (2.2)	ND (2.7)	
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b		ND (2.7)	281				8 J	ND (2.2)	3.4 J	
FERROUS IRON	UG/L	T	---	---	---				575000				19200	14100 J		
IRON	UG/L	D	1.14E+07	2.92E+07	300	b		ND (52.2)	428000				11300	13100	12000	
IRON	UG/L	T	1.14E+07	2.92E+07	300	b		ND (52.2)	465000				19000	14200	12900	

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-19S	MW-2	MW-2	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D
			Date	8/19/10			5/27/09	10/20/09	4/14/10	10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	
			Top (ft)	0			0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	DUP	FS	FS	FS	FS	
LEAD	UG/L	D	---	---	n/a		ND (0.052)	33.3					0.038 B	ND (0.047)	ND (0.05)	
LEAD	UG/L	T	---	---	n/a		ND (0.052)	34.8					1.2	0.13 J	0.2 J	
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	24.9 B	133000	123000				56.1	53.2	48.6	
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	24.7 B	135000	123000	127000	107000		90000	88.9	55.2	50.1
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a		ND (0.056)						ND (0.056)	ND (0.056)	
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a		0.058 B						ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	9.9 J	1400						ND (5.6)	ND (5.6)	ND (1.8)
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	9.8 J	1430						13.5	ND (5.6)	ND (1.8)
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a		7.6 J						ND (9.4)	ND (9.4)	
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a		9 J						ND (9.4)	ND (9.4)	
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a		ND (57.5)						ND (1.6)	ND (1.6)	
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a		ND (57.5)						ND (1.6)	ND (1.6)	
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a		0.85	1050					ND (0.037)	ND (0.037)	
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a		0.87	ND (70)	0.87	0.85		0.91 J	ND (0.037)	ND (0.037)	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b		ND (19)						ND (2.8)	ND (2.8)	
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b		26.3 J						109	6.9 J	
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b		63.6						ND (1.5)	ND (1.5)	
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b		72.3						14.8	ND (1.5)	
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	26.4	4560						ND (8.1)	ND (8.1)	ND (8.1)
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	28.6	4680						12.2 J	ND (8.1)	ND (8.1)
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---			ND (460)						67500	75000	
AMMONIA	UG/L	T	---	---	---			2600						ND (200)	ND (200)	
CHLORIDE	UG/L	T	---	---	---			4720000						14500	12900	
FERRIC IRON	UG/L	T	---	---	---			ND (50000)						ND (800)	ND (200)	
NITRATE	UG/L	T	---	---	---			ND (40)						ND (40) UJ	ND (200)	
NITRITE	UG/L	T	---	---	---			140 J						15 J	ND (15) UJ	
PHOSPHORUS	UG/L	T	---	---	---			ND (250)						ND (250)	ND (250)	
SILICA	UG/L	T	---	---	---			59500						29400	30200 J	
SULFATE	UG/L	T	---	---	---			5300						ND (10000)	ND (2500)	
SULFIDE	UG/L	T	---	---	---			ND (54)						97 J	ND (54)	
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---											
TOTAL ORGANIC CARBON	UG/L	T	---	---	---			1300 B						ND (1000)	ND (1000)	
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---			ND (3000)	27600					177000	28000	19200
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---			NS	clear	clear	NS	NS	Clear	Clear	clr	NS
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---			4800	-4240	410	10	-2500	710	710	300	40
ODOR (FIELD)	NS	T	---	---	---			NS	none	No	NS	NS	None	No	yes	NS
OVABZONE	PPM	T	---	---	---			NS			NS	NS		NR		NS
OVACASING	PPM	T	---	---	---			NS			NS	NS		NR		NS
TOTAL WELL DEPTH	Feet	T	---	---	---			NS			NS	NS				NS
HPCDFS	UG/L	T	---	---	---			ND (0.000000594)						ND (0.00000143) U	ND (0.000000494) U	

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-20D	MW-20-D	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D
			Date	8/19/10			5/27/10	5/25/07	8/22/07	5/26/10	8/18/10	5/24/07		
			Top (ft)	0			0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0		
			Duplicate	FS			FS	FS	FS	FS	FS	DUP		
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---				ND (2)	ND (2)			ND (0.8)	
1,1-DICHLOROETHANE	UG/L	T	---	---	---				ND (2)	ND (2)			ND (1)	
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a			ND (2)	ND (2)			ND (0.8)	
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a			8	26			ND (1)	
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a			1 J	4 J			ND (1)	
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b			130	120			ND (6)	
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a			32	54			ND (0.5)	
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b			ND (2)	ND (2)			ND (1)	
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c			2 J	8 J			ND (0.8)	
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a			ND (2)	6 J			3 J	
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---				ND (2)	ND (2)			ND (0.8)	
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b			8 J	7 J			ND (1)	
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a			610	590			ND (0.8)	
METHYL CHLORIDE	UG/L	T	---	---	---				14	6 J			ND (1)	
METHYL ETHYL KETONE	UG/L	T	---	---	---				30	34			ND (3)	
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a			ND (4)	7 B			ND (2)	
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a			2 J	ND (2)			ND (0.8)	
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a			1100	1600			ND (0.7)	
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a			ND (2)	ND (2)			ND (0.8)	
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a			ND (2)	ND (2)			ND (1)	
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a			ND (2)	ND (2)			ND (1)	
XYLENES	UG/L	T	---	---	---				3600	3600			ND (0.8)	
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c			10 J	8 J			ND (3)	
2-METHYLNAPHTHALENE	UG/L	T	---	---	---				61	40			ND (1)	
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---				ND (1) R	2 J			ND (1)	
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b			ND (1)	ND (1)			ND (1)	
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a			ND (1)	ND (1)			ND (1)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a			ND (2)	ND (2)			ND (2)	
CARBAZOLE	UG/L	T	---	---	---				ND (1)	ND (1)			ND (1)	
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a			ND (1)	ND (1)			ND (1)	
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b			ND (1)	ND (1)			ND (1)	
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a			ND (2)	ND (2)			ND (2)	
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a			ND (1)	ND (1)			ND (1)	
HEXACHLOROENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a			ND (1)	ND (1)			ND (1)	
NAPHTHALENE	UG/L	T	---	---	---				160	110			ND (1)	
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b			ND (1)	ND (1)			ND (1)	
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a		ND (0.000000745)	ND (0.000002865165)	ND (0.000000588) U	ND (0.000000584) U	ND (0.000001149065)	ND (0.000000864)	ND (0.000000541) U
ALUMINIUM	UG/L	D	---	---	n/a			ND (83.4)	6360	12400	6150	8150	ND (80.2)	
ALUMINIUM	UG/L	T	---	---	n/a			2150	9100	11200	9590	8110	9210	
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a			ND (9.7)	10.5 J			ND (9.7)	
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a			ND (9.7)	ND (9.7)			ND (9.7)	
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a			1 J	0.71 J			ND (0.7)	
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a			1.4 J	ND (7)			ND (0.7)	
BARIUM	UG/L	D	---	---	n/a			61.4	35.1	30.2	27.3	29.7	32.5	
BARIUM	UG/L	T	---	---	n/a			64.6	49.7	33.3	27.2	30.1	43.5	
BERYLLIUM	UG/L	D	---	---	n/a			1.4 B	6.1	9.4	7.3	8.5	ND (0.9)	
BERYLLIUM	UG/L	T	---	---	n/a			1.6 B	5.9	9	9.4	8.5	ND (0.9)	
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a		ND (2)	3.7 J	ND (0.9)	ND (2)	ND (2)	ND (0.9)	
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a		ND (2)	3.3 J	ND (0.9)	ND (2)	ND (2)	ND (0.9)	
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a			17.4	ND (2.3)			ND (2.3)	
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a			37	9.1 J			25.2	
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b		ND (2.3)	141	184	111	175	ND (2.1)	
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b		4.7 J	146	178	183	171	12.8	
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b		ND (2.7)	123000 J	108000	78200	87400	ND (2.2)	
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b		ND (2.7)	74800 J	136000	63300	92100	75.3 J	
FERROUS IRON	UG/L	T	---	---	---				124000	37 J			5200 J	
IRON	UG/L	D	1.14E+07	2.92E+07	300	b		15300	168000	146000	118000	136000	2470	
IRON	UG/L	T	1.14E+07	2.92E+07	300	b		18300	125000	159000	130000	138000	19900	

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-20D	MW-20-D	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D
			Date	8/19/10			5/27/10	5/25/07	8/22/07	5/26/10	8/18/10	5/24/07		
			Top (ft)	0			0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0		
			Duplicate	FS			FS	FS	FS	FS	FS	DUP		
LEAD	UG/L	D	---	---	n/a		ND (0.052)		35.6	48.6	40.2	54.3	0.057 J	
LEAD	UG/L	T	---	---	n/a		0.68 J		27.8	77.3	49.8	55.2	2.3	
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	65.5 B		4610	6000	3390	5320	27.5	
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	74.3 B		4440	6190	4920	5190	60.3	
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a			ND (0.056)	0.082 J			ND (0.056)	
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a			ND (0.056)	ND (0.056)			ND (0.056)	
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	ND (3)		226	214	176	190	ND (5.6)	
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	3.9 J		209	229	202	190	13.8	
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a			ND (9.4)	ND (9.4)			ND (9.4)	
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a			ND (9.4)	ND (9.4)			ND (9.4)	
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a			ND (1.6)	ND (1.6)			ND (1.6)	
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a			ND (1.6)	ND (1.6)			ND (1.6)	
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a			0.31 J	0.46 J			ND (0.037)	
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a			0.33 J	0.57 J			ND (0.037)	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b			ND (2.8) UJ	ND (2.8)			ND (2.8)	
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b			288 J	3.9 J			260 J	
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b			126	166			ND (1.5)	
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b			152	187			53.7	
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	ND (8.1)		665	774	588	483	ND (8.1)	
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	ND (8.1)		720	774	651	484	17.6 J	
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---				ND (460)	ND (460)			83300 J	
AMMONIA	UG/L	T	---	---	---				2900 J	3000			430 B	
CHLORIDE	UG/L	T	---	---	---				483000	715000			18800 J	
FERRIC IRON	UG/L	T	---	---	---				ND (1600)	159000			14700	
NITRATE	UG/L	T	---	---	---				ND (40) UJ	ND (40)			ND (40) UJ	
NITRITE	UG/L	T	---	---	---				45 J	64 J			60 J	
PHOSPHORUS	UG/L	T	---	---	---				ND (250)	ND (250)			ND (250)	
SILICA	UG/L	T	---	---	---				35400	36100 J			20700	
SULFATE	UG/L	T	---	---	---				287000	358000			13500 J	
SULFIDE	UG/L	T	---	---	---				ND (54) UJ	ND (54)			190 J	
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---				703000 J	852000				
TOTAL ORGANIC CARBON	UG/L	T	---	---	---				11500	13700			ND (1000)	
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---		66000		113000	18800	96000	4400 J	328000	
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		NS		Clear	clr	NS	NS		
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		100		4800	290	110	-50		
ODOR (FIELD)	NS	T	---	---	---		NS		No	yes	NS	NS		
OVABZONE	PPM	T	---	---	---		NS		NR		NS	NS		
OVACASING	PPM	T	---	---	---		NS		NR		NS	NS		
TOTAL WELL DEPTH	Feet	T	---	---	---		NS				NS	NS		
HPCDFS	UG/L	T	---	---	---				0.00000392 EMPC J	ND (0.00000156) U			ND (0.00000062) U	

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21-D	MW-21S	MW-21S	MW-21S
			Date	5/24/07			8/23/07	8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07		
			Top (ft)	0			0	0	0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0	0	0		
			Duplicate	FS			DUP	FS	FS	FS	FS	DUP	FS	DUP		
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---		ND (0.8)	ND (0.8)	ND (0.8)				28	19 J	26	
1,1-DICHLOROETHANE	UG/L	T	---	---	---		ND (1)	ND (1)	ND (1)				19	13	19	
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a	ND (0.8)	ND (0.8)	ND (0.8)				19	13	19	
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b	ND (6)	ND (6)	ND (6)				ND (6)	ND (6)	ND (6)	
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a	ND (0.5)	ND (0.5)	ND (0.5)				ND (0.5)	ND (0.5)	ND (0.5)	
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b	ND (1)	1 J	1 J				ND (1)	ND (1)	ND (1)	
CHLOROENZENE	UG/L	T	7.57E+05	1.95E+06	20	c	ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)	ND (0.8)	
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a	4 J	1 J	1 J				ND (0.8)	ND (0.8)	ND (0.8)	
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---		ND (0.8)	ND (0.8)	ND (0.8)				37	31 J	38	
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a	ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)	ND (0.8)	
METHYL CHLORIDE	UG/L	T	---	---	---		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
METHYL ETHYL KETONE	UG/L	T	---	---	---		ND (3)	ND (3)	ND (3)				ND (3)	ND (3)	ND (3)	
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a	ND (2)	ND (2)	ND (2)				ND (2)	ND (2)	ND (2)	
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a	ND (0.8)	ND (0.8)	ND (0.8)				24	19	25	
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a	ND (0.7)	ND (0.7)	ND (0.7)				ND (0.7)	ND (0.7)	ND (0.7)	
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a	ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)	ND (0.8)	
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a	ND (1)	ND (1)	ND (1)				58	38 J	53	
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a	ND (1)	ND (1)	ND (1)				5	4 J	4 J	
XYLENES	UG/L	T	---	---	---		ND (0.8)	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)	ND (0.8)	
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c	ND (3)	ND (3)	ND (3)				ND (3) R	ND (3) R	ND (3) R	
2-METHYLNAPHTHALENE	UG/L	T	---	---	---		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---		ND (1)	ND (1)	ND (1)				ND (1) R	ND (1) R	ND (1) R	
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a	ND (2)	ND (2)	ND (2)				ND (2)	ND (2)	ND (2)	
CARBAZOLE	UG/L	T	---	---	---		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a	ND (2)	ND (2)	ND (2)				ND (2)	ND (2)	ND (2)	
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
HEXACHLOROBENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T	---	---	---		ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	ND (1)	
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a	ND (0.00000501) U		ND (0.00000157) U			ND (0.00000111)	ND (0.000006749176)	ND (0.000000616) U	ND (0.00000103) U	
ALUMINIUM	UG/L	D	---	---	n/a		ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)		ND (83.4)	422	240	260	
ALUMINIUM	UG/L	T	---	---	n/a		8640	598 J	676 J	1160		93.7 J	298 J	1980 J	483	
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a	ND (9.7)	ND (9.7)	ND (9.7)				ND (9.7)	ND (9.7)	ND (9.7)	
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a	ND (9.7)	ND (9.7)	ND (9.7)				ND (9.7)	ND (9.7)	ND (9.7)	
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a	ND (0.7)	ND (0.7)	ND (0.7)				ND (3.5)	ND (3.5)	1.2 J	
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a	ND (0.7)	0.7 J	ND (0.7)				1.3 J	3.4 J	1.3 J	
BARIUM	UG/L	D	---	---	n/a		33.3	34.9	35.3	40.8		43.6	21	22.2	27.4	
BARIUM	UG/L	T	---	---	n/a		43.3	37	37.1	43.9		43.1	21.4	29.9	25.8	
BERYLLIUM	UG/L	D	---	---	n/a		ND (0.9)	ND (0.9)	ND (0.9)	ND (1.4)		ND (1.4)	ND (0.9)	ND (0.9)	ND (0.9)	
BERYLLIUM	UG/L	T	---	---	n/a		ND (0.9)	ND (0.9)	ND (0.9)	1.5 J		ND (1.4)	ND (0.9)	ND (0.9)	ND (0.9)	
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a	ND (0.9)	ND (0.9)	ND (0.9)	ND (2)		ND (2)	1.2 J	1.9 J	ND (0.9)	
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a	ND (0.9)	ND (0.9)	ND (0.9)	ND (2)		ND (2)	ND (0.9)	ND (0.9)	ND (0.9)	
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a	ND (2.3)	ND (2.3)	ND (2.3)				4.5 B	ND (2.3)	ND (2.3)	
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a	31.1	ND (2.3)	ND (2.3)				3.9 B	11.7 B	2.9 J	
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)		ND (2.3)	152	145	158	
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b	16.5	ND (2.1)	ND (2.1)	2.9 J		ND (2.3)	139	136	167	
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.7)		ND (2.7)	ND (2.2)	2.7 J	ND (2.2)	
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b	71.5 J	12.7 B	9.6 B	9.1 J		ND (2.7)	ND (2.2)	6.2 J	5.7 B	
FERROUS IRON	UG/L	T	---	---	---		6500 J	2400 J	2700				63200 J	70400 J	53200 J	
IRON	UG/L	D	1.14E+07	2.92E+07	300	b	2450	2500	2520	2810		1760	57300	56700	53500	
IRON	UG/L	T	1.14E+07	2.92E+07	300	b	18500	3620	4270	5920		2160	54100	70100	53600	



**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21S	MW-21S	MW-21S
			Date	5/24/07			8/23/07	8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07		
			Top (ft)	0			0	0	0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0	0	0		
			Duplicate	FS			DUP	FS	FS	FS	FS	DUP	FS	DUP		
LEAD	UG/L	D	---	---	n/a		0.052 J	0.07 B	0.089 B	0.058 J	ND (0.052)		0.32 J	0.18 J	0.66 J	
LEAD	UG/L	T	---	---	n/a		2.5	0.42 J	0.63 J	0.54 J	0.12 J		0.43 J	6.9 J	0.83 J	
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	27.8	28	28	26.9	29.6		9510	9380	9370	
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	61.9	34.4	34.4	33.9	24.5		9520	10500	9650	
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a	ND (0.056)	0.11 J	ND (0.056)				ND (0.056)	ND (0.056)	ND (0.056) UJ	
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a	ND (0.056)	ND (0.056)	ND (0.056)				ND (0.056)	ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	ND (5.6)	ND (5.6)	ND (5.6)	3.6 J	ND (3)		48.8	41.9	47.8	
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	19.4	ND (5.6)	ND (5.6)	6.4 J	3.5 J		44.5	43	52	
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a	ND (9.4)	ND (9.4)	ND (9.4)				ND (9.4)	ND (9.4)	ND (9.4)	
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a	ND (9.4)	10.5 J	ND (9.4)				ND (9.4)	ND (9.4)	ND (9.4)	
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a	ND (1.6)	ND (1.6)	ND (1.6)				ND (1.6)	ND (1.6)	ND (1.6)	
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a	ND (1.6)	ND (1.6)	ND (1.6)				1.6 J	ND (1.6)	ND (1.6)	
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a	ND (0.037)	ND (0.037)	ND (0.037)				0.14 J	0.14 J	0.18 J	
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a	ND (0.037)	ND (0.037)	ND (0.037)				0.16 J	0.23 J	0.18 J	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b	ND (2.8)	ND (2.8)	ND (2.8)				ND (2.8)	ND (2.8)	ND (2.8)	
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b	285 J	21.5	28.8				ND (2.8)	89.8	5.9 J	
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b	ND (1.5)	ND (1.5)	ND (1.5)				ND (1.5)	ND (1.5)	ND (1.5)	
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b	51.1	5.7	5.6				ND (1.5)	10.3	2.5 J	
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)		99.3	86.4	102	
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	20.3	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)		87.9	96.7	109	
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---		85500	90300	88600				40500 J	50900 J	48100	
AMMONIA	UG/L	T	---	---	---		ND (2000)	430 J	430 J				2300	2700	2000	
CHLORIDE	UG/L	T	---	---	---		20800 J	17500	14400				281000	284000	301000	
FERRIC IRON	UG/L	T	---	---	---		12000	1200 J	1600 J				ND (1600)	ND (1600)	ND (800)	
NITRATE	UG/L	T	---	---	---		64 J	ND (40)	ND (40)				ND (40)	ND (40)	ND (40)	
NITRITE	UG/L	T	---	---	---		95 J	ND (15)	ND (15)				78 J	78 J	47 J	
PHOSPHORUS	UG/L	T	---	---	---		ND (250)	ND (250)	ND (250)				ND (250)	ND (250)	ND (250)	
SILICA	UG/L	T	---	---	---		19500	19100 J	20700 J				34500 J	34100 J	37600 J	
SULFATE	UG/L	T	---	---	---		12600 J	8900	6900				404000	459000	407000	
SULFIDE	UG/L	T	---	---	---		65 J	ND (54)	ND (54)				ND (54)	ND (54)	ND (54)	
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---								371000 J	390000 J	370000	
TOTAL ORGANIC CARBON	UG/L	T	---	---	---		ND (1000)	1100 J	1100 J				2800	3300	3500	
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---		215000	88000	33200	52400	8800 J		14800	34000	19600	
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		Brown		cloudy	NS	NS			Clear		
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		680		290	0	50			2170		
ODOR (FIELD)	NS	T	---	---	---		No		yes	NS	NS			No		
OVABZONE	PPM	T	---	---	---		NR			NS	NS			NR		
OVACASING	PPM	T	---	---	---		NR			NS	NS			NR		
TOTAL WELL DEPTH	Feet	T	---	---	---					NS	NS					
HPCDFS	UG/L	T	---	---	---		ND (0.000000673) U		ND (0.000000978) U				ND (0.000000775) U	ND (0.00000177) U		

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)



**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-21S	MW-21S	MW-21S	MW-21-S	MW-22D	MW-22D	MW-22D	MW-22D	MW-22S
			Date	8/23/07			5/27/10	8/17/10	5/27/10	5/22/07	8/23/07	5/26/10	8/17/10	5/22/07		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0
			Duplicate	FS			FS	FS	FS	FS	FS	FS	FS			
LEAD	UG/L	D	---	---	n/a		0.79 J	0.51 J	0.15 J		5.6 J	3.2	15.4	2		
LEAD	UG/L	T	---	---	n/a		0.94 J	1.1	0.21 J		5.4	3.8	27.5	1.8		
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	9090	8820	8710		17300	17800	19600	20000		
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	9690	8970	8070		18200	18600	19800	20300		
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a	ND (0.056) UJ				ND (0.056)	ND (0.056)	ND (0.056)	0.08 J		
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a	ND (0.056)				0.19 J	0.35	0.42	0.32		
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	44.9	46.9	36.6		658	793	682	694		
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	50.7	46.7	29.2		673	747	682	672		
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a	ND (9.4)				ND (47)	ND (47)				
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a	ND (9.4)				ND (47)	ND (47)				
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a	2.4 J				ND (8)	ND (8)				
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a	ND (1.6)				ND (8)	ND (8)				
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a	0.18 J				ND (0.37)	0.25 J				
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a	0.18 J				0.22 J	0.25 J				
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b	ND (2.8)				ND (14)	ND (14)				
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b	7.5 J				ND (14)	ND (14)				
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b	ND (1.5)				10 J	13.3 J				
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b	2.4 J				13.9 J	20.6 J				
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	110	135	99.4		2170	2840	1850	1480		
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	106	143	89.2		2140	2600	1890	1480		
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---		54400				ND (460)	ND (460)				
AMMONIA	UG/L	T	---	---	---		2500				1800	7000				
CHLORIDE	UG/L	T	---	---	---		321000				1310000	1500000				
FERRIC IRON	UG/L	T	---	---	---		ND (800)				ND (1600)	ND (1600)				
NITRATE	UG/L	T	---	---	---		ND (40)				320 J	63 J				
NITRITE	UG/L	T	---	---	---		45 J				47 J	46 J				
PHOSPHORUS	UG/L	T	---	---	---		ND (250)				ND (250)	ND (250)				
SILICA	UG/L	T	---	---	---		34900 J				80500	78700 J				
SULFATE	UG/L	T	---	---	---		442000				452000	443000				
SULFIDE	UG/L	T	---	---	---		ND (54)				ND (54)	ND (54)				
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---		396000									
TOTAL ORGANIC CARBON	UG/L	T	---	---	---		4300				2000	2800				
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---		53600	6400 J	4000 J		13200	8000 J	ND (3000)	ND (3000)		
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		clr	NS	NS		Clear	clr	NS	NS	Clear	
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		630	30	140		1070	390	120	80	3750	
ODOR (FIELD)	NS	T	---	---	---		yes	NS	NS		No	no	NS	NS	No	
OVABZONE	PPM	T	---	---	---			NS	NS		NR		NS	NS	NR	
OVACASING	PPM	T	---	---	---			NS	NS		NR		NS	NS	NR	
TOTAL WELL DEPTH	Feet	T	---	---	---			NS	NS				NS	NS		
HPCDFS	UG/L	T	---	---	---		ND (0.000000701) U				ND (0.00000259) U	ND (0.00000102) U				

(a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;  
 (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)  
 (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)  
 (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqctable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-22S	MW-22S	MW-22S	MW-22S	MW-23	MW-23	MW-23	MW-23	
			Date	5/23/07			8/23/07	5/26/10	8/18/10	5/24/10	5/24/10	5/24/10	5/24/10	8/17/10		
			Top (ft)	0			0	0	0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0	0	0		
			Duplicate	FS			FS	FS	FS	DUP	FS	DUP	FS	DUP		
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---				ND (0.8)					ND (0.8)	ND (0.8)	ND (0.8)
1,1-DICHLOROETHANE	UG/L	T	---	---	---				ND (1)					ND (1)	ND (1)	ND (1)
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a			ND (0.8)					ND (0.8)	ND (0.8)	ND (0.8)
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a			ND (1)					ND (0.9) UJ	ND (1) UJ	ND (1)
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a			ND (1)					ND (0.9)	ND (1)	ND (1)
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b			ND (6)					ND (6)	ND (6)	ND (6)
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a			ND (0.5)					ND (0.5)	ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b			ND (1)					ND (1)	ND (1)	ND (1)
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c			ND (0.8)					ND (0.8)	ND (0.8)	ND (0.8)
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a			8					4 J	4 J	3 J
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---				ND (0.8)					4 J	4 J	9
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b			ND (1)					ND (1)	ND (1)	ND (1)
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a			ND (0.8)					ND (0.8)	ND (0.8)	ND (0.8)
METHYL CHLORIDE	UG/L	T	---	---	---				ND (1)					ND (1)	ND (1)	ND (1)
METHYL ETHYL KETONE	UG/L	T	---	---	---				ND (3)					ND (3)	ND (3)	ND (3)
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a			ND (2)					ND (2)	ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a			ND (0.8)					28	27	33
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a			ND (0.7)					ND (0.7)	ND (0.7)	ND (0.7)
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a			ND (0.8)					ND (0.8)	ND (0.8)	2 J
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a			ND (1)					6	6	10
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a			ND (1)					ND (1)	ND (1)	ND (1)
XYLENES	UG/L	T	---	---	---				ND (0.8)					ND (0.8)	ND (0.8)	ND (0.8)
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c			ND (3) R					ND (3) R	ND (3) R	ND (3) R
2-METHYLNAPHTHALENE	UG/L	T	---	---	---				ND (1)					ND (0.9)	ND (1)	ND (1)
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---				ND (1) R					ND (0.9) R	ND (1) R	ND (1) R
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b			ND (1)					ND (0.9) UJ	ND (1) UJ	ND (1)
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a			ND (1)					ND (0.9)	ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a			ND (2)					ND (2)	ND (2)	ND (2)
CARBAZOLE	UG/L	T	---	---	---				ND (1)					ND (0.9)	ND (1)	ND (1)
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a			ND (1)					ND (0.9)	ND (1)	ND (1)
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b			ND (1)					ND (0.9)	ND (1)	ND (1)
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a			ND (2)					ND (2) UJ	ND (2) UJ	ND (2)
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a			ND (1)					ND (0.9)	ND (1)	ND (1)
HEXACHLOROBENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a			ND (1)					ND (0.9)	ND (1)	1 J
NAPHTHALENE	UG/L	T	---	---	---				ND (1)					ND (0.9) UJ	ND (1) UJ	ND (1)
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b			ND (1)					ND (0.9)	ND (1)	ND (1)
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a			ND (0.00000374) U	ND (0.000009467439)	ND (0.00000867)	ND (0.00001242597)	ND (0.000006534406)			ND (0.00000864)
ALUMINUM	UG/L	D	---	---	n/a			ND (80.2)	ND (80.2)	2510	2370			1200	1310	1500
ALUMINUM	UG/L	T	---	---	n/a			223	ND (80.2)	2330	2390			1080	1220	1490
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a			ND (9.7)	ND (9.7)						
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a			ND (9.7)	ND (9.7)						
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a			ND (0.7)	1.6 J						
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a			0.79 J	1.7 J						
BARIUM	UG/L	D	---	---	n/a			45.5	29.5	19.6	24.7			19.7	18.5	20.7
BARIUM	UG/L	T	---	---	n/a			45.1	31.2	24.3	24.8			23.5	23.8	21
BERYLLIUM	UG/L	D	---	---	n/a			ND (0.94)	ND (0.9)	9.7	10.3			2 J	2.1 J	2.6 J
BERYLLIUM	UG/L	T	---	---	n/a			ND (0.94)	ND (0.9)	9.3	10			1.8 J	1.9 J	2.7 J
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a			1.3 J	ND (0.9)	4.4 J	3.9 B		ND (2)	ND (2)	ND (2)
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a			1.4 J	2 J	4.6 J	4.1 B		ND (2)	ND (2)	ND (2)
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a			6.3 J	3.1 J						
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a			19.9	21.9						
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b			138	158	316	274		32.4	33.3	34.1
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b			151	155	316	280		31.6	32.2	35.4
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b			9 J	21.4 B	611	505		29.5	36.3	37.4
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b			14	37.9 B	927	598		39.2	41.2	38.5
FERROUS IRON	UG/L	T	---	---	---				3600 J							
IRON	UG/L	D	1.14E+07	2.92E+07	300	b		128 J	3240	125 J	91.1 J			342	349	301
IRON	UG/L	T	1.14E+07	2.92E+07	300	b		526	2150	714	176 J			454	428	310

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-22S	MW-22S	MW-22S	MW-22S	MW-23	MW-23	MW-23	MW-23	MW-23
			Date	5/23/07			8/23/07	5/26/10	8/18/10	5/24/10	5/24/10	5/24/10	5/24/10	8/17/10		
			Top (ft)	0			0	0	0	0	0	0	0	0		
			Bottom (ft)	0			0	0	0	0	0	0	0	0		
			Duplicate	FS			FS	FS	FS	DUP	FS	DUP	FS	DUP		
LEAD	UG/L	D	---	---	n/a		0.24 J	1.3	7	1.3			0.91 J	1.1	0.71 J	
LEAD	UG/L	T	---	---	n/a		1.4	2.6	23.2	1.7			1.4	1.5	0.68 J	
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	4840	4700	6480	5290			3000	3000	2910	
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	4820	4180	5800	5470			3010	3100	2770	
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a	ND (0.056)	ND (0.056)					ND (0.056)			
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a	ND (0.056)	ND (0.056)					ND (0.056)			
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	116	134	246	232			36.3	37.6	34.8	
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	126	143	289	235			36.8	38	36.3	
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a	ND (9.4)	ND (9.4)								
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a	ND (9.4)	ND (9.4)								
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a	ND (1.6)	ND (1.6)								
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a	ND (1.6)	ND (1.6)								
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a	0.079 J	0.044 J								
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a	0.077 J	0.045 J								
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b	ND (2.8)	ND (2.8)								
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b	12.5	ND (2.8)								
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b	ND (1.5)	ND (1.5)								
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b	ND (1.5)	ND (1.5)								
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	168	146	635	514			73.1	83	68.6	
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	200	164	927	542			102	101	69.5	
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---		63400	64100								
AMMONIA	UG/L	T	---	---	---			ND (200)								
CHLORIDE	UG/L	T	---	---	---			676000								
FERRIC IRON	UG/L	T	---	---	---			ND (80)								
NITRATE	UG/L	T	---	---	---			ND (40)								
NITRITE	UG/L	T	---	---	---			ND (15)								
PHOSPHORUS	UG/L	T	---	---	---		ND (250)	ND (250)								
SILICA	UG/L	T	---	---	---			63200 J								
SULFATE	UG/L	T	---	---	---			493000								
SULFIDE	UG/L	T	---	---	---		ND (54)	ND (54)								
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---		994000 J	897000 J								
TOTAL ORGANIC CARBON	UG/L	T	---	---	---		2400	3400								
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---			32800	3600 J	ND (3000)			11200 J	4400 J	ND (3000)	
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---			clr	NS	NS				NS		
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---			740	7840	1790				530		
ODOR (FIELD)	NS	T	---	---	---			no	NS	NS				NS		
OVABZONE	PPM	T	---	---	---				NS	NS				NS		
OVACASING	PPM	T	---	---	---				NS	NS				NS		
TOTAL WELL DEPTH	Feet	T	---	---	---				NS	NS				NS		
HPCDFS	UG/L	T	---	---	---			ND (0.0000124) U								

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqctable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-23	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4
			Date	8/17/10			5/27/09	10/20/09	4/14/10	10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---		ND (0.8)	ND (0.8)						ND (0.8)			
1,1-DICHLOROETHANE	UG/L	T	---	---	---		ND (1)	ND (1)						ND (1)			
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a	ND (0.8)	ND (0.8)						ND (0.8)			
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a	ND (1)	ND (1)						ND (1)			
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a	ND (1)	ND (1)						ND (1)			
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b	ND (6)	ND (6)						ND (6)			
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a	ND (0.5)	ND (0.5)						ND (0.5)			
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b	ND (1)	ND (1)						ND (1)			
CHLOROETHENE	UG/L	T	7.57E+05	1.95E+06	20	c	ND (0.8)	ND (0.8)						ND (0.8)			
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a	4 J	ND (0.8)						ND (0.8)			
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---		8	ND (0.8)						ND (0.8)			
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b	ND (1)	ND (1)						ND (1)			
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a	ND (0.8)	ND (0.8)						ND (0.8)			
METHYL CHLORIDE	UG/L	T	---	---	---		ND (1)	ND (1)						ND (1)			
METHYL ETHYL KETONE	UG/L	T	---	---	---		ND (3)	ND (3)						ND (3)			
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a	ND (2)	ND (2)						ND (2)			
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a	31	ND (0.8)						ND (0.8)			
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a	ND (0.7)	ND (0.7)						ND (0.7)			
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a	2 J	ND (0.8)						ND (0.8)			
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a	9	ND (1)						ND (1)			
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a	ND (1)	ND (1)						ND (1)			
XYLENES	UG/L	T	---	---	---		ND (0.8)	ND (0.8)						ND (0.8)			
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c	ND (3) R	ND (3)						ND (3) R			
2-METHYLNAPHTHALENE	UG/L	T	---	---	---		ND (1)	ND (1)						ND (1)			
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---		ND (1) R	ND (1)						ND (1) R			
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b	ND (1)	ND (0.5)						ND (0.49)			
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a	ND (1)	ND (0.02)						ND (0.02)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a	ND (2)	ND (2)						ND (2)			
CARBAZOLE	UG/L	T	---	---	---		ND (1)	ND (1)						ND (1)			
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a	ND (1)	0.041 J						ND (0.039)			
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b	ND (1)	ND (1)						ND (1)			
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a	ND (2)	ND (2)						ND (2)			
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a	ND (1)	ND (0.1)						ND (0.098)			
HEXACHLOROETHENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a	ND (1)	ND (1)	ND (1) R	ND (1)	ND (1)	ND (1) R	ND (1) R	ND (1) UJ	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T	---	---	---		ND (1)	ND (1)						ND (0.98)			
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b	ND (1)	ND (0.04)						ND (0.039)			
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a	ND (0.00000134)	ND (0.000000977)		ND (0.000001715218)			ND (0.00000124)	ND (0.000000941)		ND (0.0000005978042)	
ALUMINUM	UG/L	D	---	---	n/a		1570	ND (401)						ND (80.2)			
ALUMINUM	UG/L	T	---	---	n/a		1420	4650 J						1240 J			
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a		ND (48.5)	34.9					ND (9.7)	ND (9.7)		
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a		ND (48.5)	50.1 J	0.56 J	ND (0.3)	ND (0.3)	ND (0.3)	ND (9.7)	ND (9.7)	ND (0.3)	
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a		1.5 J	ND (36)					ND (0.95)	ND (7.2)		
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a		4.4	ND (9.5)	ND (0.95)	1.1 J	ND (0.95)	1 J	ND (0.95)	ND (1.9)	ND (0.95)	
BARIUM	UG/L	D	---	---	n/a		21.2	595						28.7			
BARIUM	UG/L	T	---	---	n/a		21.4	1950						39.7			
BERYLLIUM	UG/L	D	---	---	n/a		2.8 J	0.31 J						0.18 J			
BERYLLIUM	UG/L	T	---	---	n/a		2.5 J	1.9 J						0.36 J			
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a	ND (2)	17.9 J						ND (2)			
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a	ND (2)	24.3 J						ND (2)			
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a		ND (3)						ND (3.4)			
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a		12.2 J						6.4 J			
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b	36.1	58.8						42.9			
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b	33.8	64.7						46.3			
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b	36.1	ND (13.5)						ND (2.7)			
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b	35	2600						10.1			
FERROUS IRON	UG/L	T	---	---	---			736000						125000			
IRON	UG/L	D	1.14E+07	2.92E+07	300	b	331	856000						120000			
IRON	UG/L	T	1.14E+07	2.92E+07	300	b	255	838000						126000			

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-23	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4
			Date	8/17/10			5/27/09	10/20/09	4/14/10	10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	
LEAD	UG/L	D	---	---	n/a		0.78 J	ND (0.05)						ND (0.05)			
LEAD	UG/L	T	---	---	n/a		0.72 J	3.6						2.7			
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d	2980	16600	19600					1510	1620		
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	2710	15700	18600	20100	21700	23100	22600	1520	1620	1800	
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a		ND (0.056)						ND (0.056)			
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a		4.4						0.064 B			
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a	40.1	25.9 J						35.1			
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a	37.2	37.5 J						38.5			
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a		ND (0.99)						ND (0.99)			
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a		ND (0.99)						ND (0.99)			
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a		2.5 J						ND (2.3)			
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a		2.8 J						ND (2.3)			
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a		ND (0.15)	188					ND (0.15)	22.4 J		
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a		0.49 J	ND (70)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (14)	ND (0.15)	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b		ND (3.8)						ND (3.8)			
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b		314						106			
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b		ND (12.5)						ND (2.5)			
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b		60.2						12.6			
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a	72.5	40.8 J						31.3			
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a	67	190						48.5			
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---			74300						61300			
AMMONIA	UG/L	T	---	---	---			11100						ND (200)			
CHLORIDE	UG/L	T	---	---	---			3260000						146000			
FERRIC IRON	UG/L	T	---	---	---			102000 J						ND (2000)			
NITRATE	UG/L	T	---	---	---			ND (40)						ND (40)			
NITRITE	UG/L	T	---	---	---			1700 J						ND (15) UJ			
PHOSPHORUS	UG/L	T	---	---	---			ND (250)						ND (250)			
SILICA	UG/L	T	---	---	---			20800						30700			
SULFATE	UG/L	T	---	---	---			95800						219000			
SULFIDE	UG/L	T	---	---	---			ND (54)						ND (54)			
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---												
TOTAL ORGANIC CARBON	UG/L	T	---	---	---			1200 B						2700			
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---		ND (3000)	454000						41600			
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		NS	light brown	med brn	NS	NS		Clear	clear	Tan	NS	
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		430	-3330	160	-30	-2500		630	-2540	3500	90	
ODOR (FIELD)	NS	T	---	---	---		NS	none	No	NS	NS		None	none	No	NS	
OVABZONE	PPM	T	---	---	---		NS			NS	NS					NS	
OVACASING	PPM	T	---	---	---		NS			NS	NS					NS	
TOTAL WELL DEPTH	Feet	T	---	---	---		NS			NS	NS						
HPCDFS	UG/L	T	---	---	---			ND (0.000000576)						ND (0.000000974)			

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6
			Date	10/7/10			4/13/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	5/28/09	10/21/09		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---					ND (0.8)				ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	---	---	---					ND (1)				ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a				ND (0.8)				ND (0.8)	ND (0.8)		
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a				ND (1) R				ND (1)	ND (1)		
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a				ND (1) R				ND (1)	ND (1)		
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b				ND (6)				ND (6)	ND (6)		
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a				ND (0.5)				ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b				ND (1)				ND (1)	ND (1)		
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c				ND (0.8)				ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a				ND (0.8)				ND (0.8)	ND (0.8)		
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---					ND (0.8)				ND (0.8)	ND (0.8)		
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b				ND (1)				ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a				ND (0.8)				ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	---	---	---					ND (1)				ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T	---	---	---					ND (3)				ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a				ND (2)				ND (2)	ND (2)		
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a				ND (0.8)				ND (0.8)	ND (0.8)		
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a				ND (0.7)				ND (0.7)	ND (0.7)		
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a				ND (0.8)				ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a				ND (1)				ND (1)	ND (1)		
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a				ND (1)				ND (1)	ND (1)		
XYLENES	UG/L	T	---	---	---					ND (0.8)				ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c				ND (3)				ND (3)	ND (3)		
2-METHYLNAPHTHALENE	UG/L	T	---	---	---					ND (1) R				ND (1)	ND (1)		
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---					ND (1)				ND (1)	ND (1)		
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b				ND (0.51) R				ND (0.49)	ND (0.47)		
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a				ND (0.02) R				ND (0.02)	ND (0.019)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a				ND (2) R				ND (2)	ND (2)		
CARBAZOLE	UG/L	T	---	---	---					ND (1) R				ND (1)	ND (1)		
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a				ND (0.04) R				ND (0.039)	ND (0.038)		
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b				ND (1) R				ND (1)	ND (1)		
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a				ND (2) R				ND (2)	ND (2)		
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a				ND (0.1) R				ND (0.098)	ND (0.095)		
HEXACHLOROENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a		ND (1)	ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) R	ND (1) R	ND (1) UJ	ND (1) UJ	ND (0.9)
NAPHTHALENE	UG/L	T	---	---	---					ND (1)				ND (0.98)	ND (0.95)		
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b				ND (0.04) R				ND (0.039)	ND (0.038)		
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a		ND (0.00000502)	ND (0.00000994)	ND (0.000009332497)	ND (0.00000635)	ND (0.00000912)	ND (0.0000069)	ND (0.0000069)	ND (0.0000069)		
ALUMINUM	UG/L	D	---	---	n/a					ND (80.2)				ND (80.2)	ND (80.2)		
ALUMINUM	UG/L	T	---	---	n/a					903 J				913	815		
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a				ND (9.7)	26.7			ND (9.7)	ND (9.7)	ND (9.7)	
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a		ND (0.3)	ND (0.3)	22.7	ND (48.5)	ND (0.3)	ND (0.3)	ND (0.3)	ND (9.7)	ND (9.7)	ND (9.7)
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a				ND (0.95)	ND (7.2)			ND (0.95)	ND (0.95)	ND (7.2)	
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a		ND (0.95)	ND (0.95)	ND (0.95)	ND (9.5)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	2.4 B
BARIUM	UG/L	D	---	---	n/a					14.6				44.2	45.8		
BARIUM	UG/L	T	---	---	n/a					68.5				46.7	45.7		
BERYLLIUM	UG/L	D	---	---	n/a					0.71 J				ND (0.13)	ND (0.13)		
BERYLLIUM	UG/L	T	---	---	n/a					0.94 J				0.14 J	0.15 J		
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a				ND (2)				ND (2)	ND (2)		
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a				ND (2)				ND (2)	ND (2)		
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a				ND (17)				ND (3.4)	ND (3.4)		
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a				7.8 J				6.4 J	9.3 J		
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b				438				3.6 J	3.8 J		
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b				554				4.8 J	4.2 J		
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b				2.8 J				ND (2.7)	ND (2.7)		
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b				10.8				ND (2.7)	ND (2.7)		
FERROUS IRON	UG/L	T	---	---	---					657000				7500	7900		
IRON	UG/L	D	1.14E+07	2.92E+07	300	b				493000				7930	8070		
IRON	UG/L	T	1.14E+07	2.92E+07	300	b				588000				9810	9730		



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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-4	MW-4	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	
			Date	10/7/10			4/13/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	5/28/09	10/21/09			
			Top (ft)	0			0	0	0	0	0	0	0	0	0			
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0			
			Duplicate	FS			FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS		
LEAD	UG/L	D	---	---	n/a				0.3 B					0.065 B		ND (0.05)		
LEAD	UG/L	T	---	---	n/a				1.5					0.31 B		0.44 B		
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d			15300	19400				135		137	141	
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	1790	2020	18200	21700			16200	19000	22400	146	141	158
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a			ND (0.056)							ND (0.056)	ND (0.056)	
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a			ND (0.056)							ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a			324							5.5 B	4.7 B	
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a			419							7.7 B	10.2 B	
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a			ND (0.99)							ND (0.99)	ND (0.99)	
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a			ND (0.99)							ND (5)	ND (0.99)	
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a			ND (2.3)							ND (2.3)	ND (2.3)	
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a			3.3 J							ND (2.3)	ND (2.3)	
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a			ND (0.15)	206						ND (0.15)	ND (0.15)	ND (14)
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a	ND (0.15)	ND (0.15)	ND (0.15)	ND (70)			ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (14)
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b			ND (3.8)							ND (3.8)	ND (3.8)	
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b			35.6							68.6	70.9	
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b			ND (2.5)							ND (2.5)	ND (2.5)	
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b			3.7 J							9.4	10	
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a			258							ND (8.1)	ND (8.1)	
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a			344							11.2 J	11.8 J	
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---				29200							20300	20500	
AMMONIA	UG/L	T	---	---	---				ND (200)							ND (200)	ND (200)	
CHLORIDE	UG/L	T	---	---	---				272000							16900	20700	
FERRIC IRON	UG/L	T	---	---	---				ND (20000)							2300 J	1900 J	
NITRATE	UG/L	T	---	---	---				ND (40)							ND (40)	ND (40)	
NITRITE	UG/L	T	---	---	---				ND (15) UJ							150 J	ND (15) UJ	
PHOSPHORUS	UG/L	T	---	---	---				ND (250) UJ							ND (250) UJ	ND (250) UJ	
SILICA	UG/L	T	---	---	---				32300							26100	26000	
SULFATE	UG/L	T	---	---	---				1290000							ND (2500)	ND (2500)	
SULFIDE	UG/L	T	---	---	---				ND (54)							ND (54)	ND (54)	
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---													
TOTAL ORGANIC CARBON	UG/L	T	---	---	---				1900							ND (500)	1200	
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---				58000							18400	13600	
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		NS	Clear/Lt. Tan	clear	clear			NS	NS	Clear		clear	clear
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		-2500	620	-1750	-890			70	-2500	650		-730	260
ODOR (FIELD)	NS	T	---	---	---		NS	None	none	No			NS	NS	None		none	No
OVABZONE	PPM	T	---	---	---		NS						NS	NS				
OVACASING	PPM	T	---	---	---		NS						NS	NS				
TOTAL WELL DEPTH	Feet	T	---	---	---		NS						NS	NS				
HPCDFS	UG/L	T	---	---	---				ND (0.000000518)							ND (0.000000948)	ND (0.000000631)	

(a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;  
 (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)  
 (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)  
 (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

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**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date	4/15/10			10/6/10	4/12/11	5/28/09	10/21/09	4/16/10	4/16/10	10/6/10	4/12/11		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	0
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	0
			Duplicate	FS			FS	FS	FS	FS	FS	DUP	FS	FS	FS	
1,1,1-TRICHLOROETHANE	UG/L	T	---	---	---							ND (0.8)				
1,1-DICHLOROETHANE	UG/L	T	---	---	---							ND (1)				
1,1-DICHLOROETHENE	UG/L	T	1.21E+05	3.12E+05	3.2	a						ND (0.8)				
1,2-DICHLOROBENZENE	UG/L	T	6.59E+08	1.69E+09	17400	a						ND (1)				
1,4-DICHLOROBENZENE	UG/L	T	1.33E+08	3.42E+08	3510	a						ND (1)				
ACETONE	UG/L	T	2.31E+06	5.94E+06	61	b						ND (6)				
BENZENE	UG/L	T	2.70E+06	6.94E+06	71.3	a						ND (0.5)				
CARBON DISULFIDE	UG/L	T	3.78E+06	9.74E+06	100	b						ND (1)				
CHLOROBENZENE	UG/L	T	7.57E+05	1.95E+06	20	c						ND (0.8)				
CHLOROFORM	UG/L	T	1.78E+07	4.59E+07	471	a						ND (0.8)				
CIS-1,2 DICHLOROETHENE	UG/L	T	---	---	---							ND (0.8)				
ETHYL CHLORIDE	UG/L	T	1.51E+05	3.89E+05	4	b						ND (1)				
ETHYLBENZENE	UG/L	T	1.09E+09	2.79E+09	28700	a						ND (0.8)				
METHYL CHLORIDE	UG/L	T	---	---	---							ND (1)				
METHYL ETHYL KETONE	UG/L	T	---	---	---							ND (3)				
METHYLENE CHLORIDE	UG/L	T	5.98E+07	1.54E+08	1580	a						ND (2)				
TETRACHLOROETHYLENE	UG/L	T	3.35E+05	8.62E+05	8.85	a						ND (0.8)				
TOLUENE	UG/L	T	7.61E+09	1.96E+10	201000	a						ND (0.7)				
TRANS-1,2-DICHLOROETHENE	UG/L	T	5.15E+09	1.32E+10	136000	a						ND (0.8)				
TRICHLOROETHENE	UG/L	T	3.05E+06	7.86E+06	80.7	a						ND (1)				
VINYL CHLORIDE	UG/L	T	1.99E+07	5.11E+07	525	a						ND (1)				
XYLENES	UG/L	T	---	---	---							ND (0.8)				
2,4-DIMETHYLPHENOL	UG/L	T	1.51E+07	3.89E+07	400	c						ND (3)				
2-METHYLNAPHTHALENE	UG/L	T	---	---	---							ND (1)				
2-METHYLPHENOL (O-CRESOL)	UG/L	T	---	---	---							ND (1)				
ACENAPHTHENE	UG/L	T	1.40E+06	3.60E+06	37	b						ND (0.5)				
ANTHRACENE	UG/L	T	2.56E+08	6.58E+08	6760	a						ND (0.02)				
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	2.24E+05	5.76E+05	5.92	a						ND (2)				
CARBAZOLE	UG/L	T	---	---	---							ND (1)				
CHRYSENE	UG/L	T	8.48E+02	2.18E+03	0.0224	a						ND (0.04)				
DIBENZOFURAN	UG/L	T	7.57E+04	1.95E+05	2	b						ND (1)				
DI-N-BUTYL PHTHALATE	UG/L	T	4.58E+08	1.18E+09	12100	a						ND (2)				
FLUORENE	UG/L	T	5.79E+07	1.49E+08	1530	a						ND (0.1)				
HEXACHLOROENZENE	UG/L	T	2.93E+01	7.54E+01	0.000775	a			ND (0.9)	ND (1)	ND (1)	ND (1) UJ	ND (1)	ND (0.9)	ND (1)	ND (1)
NAPHTHALENE	UG/L	T	---	---	---							ND (1)				
PHENANTHRENE	UG/L	T	4.54E+06	1.17E+07	120	b						ND (0.04)				
2,3,7,8-TCDD	UG/L	T	5.30E-04	1.36E-03	1.4E-08	a			ND (0.000005587042)	ND (0.00000121)	ND (0.00000682)	ND (0.000008595942)	ND (0.000001023744)	ND (0.000000781)		
ALUMINIUM	UG/L	D	---	---	n/a							ND (80.2)				
ALUMINIUM	UG/L	T	---	---	n/a							634				
ANTIMONY	UG/L	D	1.63E+08	4.20E+08	4310	a						ND (9.7)	ND (9.7)			
ANTIMONY	UG/L	T	1.63E+08	4.20E+08	4310	a			ND (0.3)	ND (0.3)	ND (0.3)	ND (9.7)	ND (9.7)	ND (0.3)	ND (0.3)	ND (0.3)
ARSENIC	UG/L	D	2.78E+06	7.15E+06	73.4	a						ND (0.95)	ND (7.2)			
ARSENIC	UG/L	T	2.78E+06	7.15E+06	73.4	a			ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	2.6 B	ND (0.95)	ND (0.95)	ND (0.95)
BARIUM	UG/L	D	---	---	n/a							50.5				
BARIUM	UG/L	T	---	---	n/a							50				
BERYLLIUM	UG/L	D	---	---	n/a							ND (0.13)				
BERYLLIUM	UG/L	T	---	---	n/a							ND (0.13)				
CADMIUM	UG/L	D	3.18E+06	8.19E+06	84.1	a						ND (2)				
CADMIUM	UG/L	T	3.18E+06	8.19E+06	84.1	a						ND (2)				
CHROMIUM	UG/L	D	2.55E+10	6.55E+10	673000	a						ND (3.4)				
CHROMIUM	UG/L	T	2.55E+10	6.55E+10	673000	a						4.1 J				
COBALT	UG/L	D	8.33E+06	2.14E+07	220	b						ND (2.1)				
COBALT	UG/L	T	8.33E+06	2.14E+07	220	b						ND (2.1)				
COPPER	UG/L	D	5.68E+05	1.46E+06	15	b						ND (2.7)				
COPPER	UG/L	T	5.68E+05	1.46E+06	15	b						ND (2.7)				
FERROUS IRON	UG/L	T	---	---	---							12700				
IRON	UG/L	D	1.14E+07	2.92E+07	300	b						10500				
IRON	UG/L	T	1.14E+07	2.92E+07	300	b						14200				

**Table 2-7**  
**Groundwater Concentrations Detected in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Human Health Screening Levels		Surface Water Criteria	Source	Location	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date	4/15/10			10/6/10	4/12/11	5/28/09	10/21/09	4/16/10	4/16/10	10/6/10	4/12/11		
			Top (ft)	0			0	0	0	0	0	0	0	0	0	
			Bottom (ft)	0			0	0	0	0	0	0	0	0	0	
			Duplicate	FS			FS	FS	FS	FS	DUP	FS	FS	FS		
LEAD	UG/L	D	---	---	n/a					ND (0.05)						
LEAD	UG/L	T	---	---	n/a					0.29 B						
MANGANESE	UG/L	D	3.78E+06	9.74E+06	100	d				72.6	84.5					
MANGANESE	UG/L	T	3.78E+06	9.74E+06	100	d	147	149	154	88.7	106	86.7	77.7	99.6	85.7	
MERCURY	UG/L	D	5.45E+03	1.40E+04	0.144	a				ND (0.056)						
MERCURY	UG/L	T	5.45E+03	1.40E+04	0.144	a				ND (0.056)						
NICKEL	UG/L	D	1.73E+08	4.46E+08	4580	a				3.8 B						
NICKEL	UG/L	T	1.73E+08	4.46E+08	4580	a				6.6 B						
SELENIUM	UG/L	D	7.65E+07	1.97E+08	2020	a				ND (0.99)						
SELENIUM	UG/L	T	7.65E+07	1.97E+08	2020	a				ND (0.99)						
SILVER	UG/L	D	4.09E+09	1.05E+10	108000	a				ND (2.3)						
SILVER	UG/L	T	4.09E+09	1.05E+10	108000	a				ND (2.3)						
THALLIUM	UG/L	D	2.35E+05	6.04E+05	6.2	a				ND (0.15)	ND (14)					
THALLIUM	UG/L	T	2.35E+05	6.04E+05	6.2	a	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	
TITANIUM	UG/L	D	5.68E+08	1.46E+09	15000	b				ND (3.8)						
TITANIUM	UG/L	T	5.68E+08	1.46E+09	15000	b				38.5						
VANADIUM	UG/L	D	9.84E+05	2.53E+06	26	b				ND (2.5)						
VANADIUM	UG/L	T	9.84E+05	2.53E+06	26	b				5.2						
ZINC	UG/L	D	2.60E+09	6.69E+09	68700	a				ND (8.1)						
ZINC	UG/L	T	2.60E+09	6.69E+09	68700	a				ND (8.1)						
ALKALINITY, BICARB. AS CaCO3 AT	UG/L	T	---	---	---					57900						
AMMONIA	UG/L	T	---	---	---					210 J						
CHLORIDE	UG/L	T	---	---	---					9000						
FERRIC IRON	UG/L	T	---	---	---					1500 J						
NITRATE	UG/L	T	---	---	---					ND (40)						
NITRITE	UG/L	T	---	---	---					ND (15) UJ						
PHOSPHORUS	UG/L	T	---	---	---					ND (250) UJ						
SILICA	UG/L	T	---	---	---					26900						
SULFATE	UG/L	T	---	---	---					ND (2500)						
SULFIDE	UG/L	T	---	---	---					ND (54)						
TOTAL HARDNESS AS CaCO3	UG/L	T	---	---	---											
TOTAL ORGANIC CARBON	UG/L	T	---	---	---					590 J						
TOTAL SUSPENDED SOLIDS	UG/L	T	---	---	---					11600 J						
COLOR QUALITATIVE (FIELD)	NS	T	---	---	---		NS	NS	Clear	clear	clear		NS	NS	Clear	
DISSOLVED OXYGEN (FIELD)	UG/L	T	---	---	---		2432.4	-2500	560	-440	30		160	-2500	670	
ODOR (FIELD)	NS	T	---	---	---		NS	NS	None	none	No		NS	NS	Slight	
OVABZONE	PPM	T	---	---	---		NS	NS					NS	NS		
OVACASING	PPM	T	---	---	---		NS	NS					NS	NS		
TOTAL WELL DEPTH	Feet	T	---	---	---		NS	NS					NS	NS		
HPCDFS	UG/L	T	---	---	---					ND (0.000000213)						

- (a) Delaware River Basin Commission (DRBC) Stream Quality Objectives, Tables 6 and 7 for carcinogens and systemic toxicants, respectively;
- (b) DNREC 1999 Uniform Risk-Based Remediation Standards for protection (MCL-based standards were excluded)  
 (<http://www.dnrec.state.de.us/DNREC2000/Divisions/AWM/sirb/DOCS/PDFS/Misc/RemStnd.pdf>)
- (c) DRBC Stream Quality Objectives for human health protection, taste and odor of ingested fish (Table 4)
- (d) EPA 2009 National Recommended Water Quality Criteria (<http://www.epa.gov/waterscience/criteria/wqtable/>)

**Table 3-1**  
**Exposure Point Concentrations**  
**Surface and Mixed Soil -- Industrial and Excavation Worker Scenarios**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

SWMU	Exposure Scenario	Sample Depth (ft)	COPC	Minimum (mg/kg)	Maximum (mg/kg)	Mean (mg/kg)	# of Detected Samples	# of Samples Exceeding Screening Criteria	UCL <sup>a/</sup> (mg/kg)	UCL Calculation Method
1 & 3	Industrial	0-2	Benz[a]anthracene	0.04	12	2.16	6	1	<b>2.97</b>	95% KM (t) UCL
			Benzo[a]pyrene	0.04	9.1	1.67	6	2	<b>8.69</b>	99% KM (Chebyshev) UCL
			Benzo[b]fluoranthene	0.05	11	1.53	8	1	<b>10.28</b>	99% KM (Chebyshev) UCL
			Dibenz[a,h]anthracene	0.13	1.5	0.82	2	1	<b>1.21</b>	97.5% KM (Chebyshev) UCL
			Indeno[1,2,3-cd]pyrene	0.05	4.5	1.0	5	1	<b>1.15</b>	95% KM (t) UCL
	Excavation	0-15	Benz[a]anthracene	0.04	12	2.16	6	1	<b>1.69</b>	95% KM (t) UCL
			Benzo[a]pyrene	0.04	9.1	1.67	6	2	<b>5.08</b>	99% KM (Chebyshev) UCL
			Benzo[b]fluoranthene	0.05	11	1.53	8	1	<b>4.01</b>	97.5% KM (Chebyshev) UCL
			Copper	4	93500	5431	21	1	<b>49485</b>	99% Chebyshev (Mean, Sd) UCL
			Dibenz[a,h]anthracene	0.13	1.5	0.82	2	1	<b>0.76</b>	97.5% KM (Chebyshev) UCL
			Indeno[1,2,3-cd]pyrene	0.05	4.5	1.0	5	1	<b>0.67</b>	95% KM (t) UCL
4	Industrial	0-2	Benzo[a]pyrene	0.04	0.57	0.31	2	1	<b>0.40</b>	97.5% KM (Chebyshev) UCL
	Excavation	0-15	Benzo[a]pyrene	0.04	0.57	0.31	2	1	<b>0.26</b>	97.5% KM (Chebyshev) UCL
5	Industrial	0-2	Benzo[a]pyrene	0.05	1.7	0.33	11	3	<b>0.74</b>	95% KM (Chebyshev) UCL
			Benzo[b]fluoranthene	0.08	2.3	0.47	11	1	<b>1.31</b>	97.5% KM (Chebyshev) UCL
			Dibenz[a,h]anthracene	0.04	0.22	0.14	3	1	<b>0.22</b>	95% KM (Percentile Bootstrap) UCL
			Total PCBs	0.003	2.7	0.27	14	1	<b>2.18</b>	99% Chebyshev (Mean, Sd) UCL
	Excavation	0-15	Benz[a]anthracene	0.04	15	1.17	12	1	<b>6.26</b>	99% KM (Chebyshev) UCL
			Benzo[a]pyrene	0.04	11	0.96	11	9	<b>3.17</b>	97.5% KM (Chebyshev) UCL
			Benzo[b]fluoranthene	0.05	14	1.15	12	2	<b>4.04</b>	97.5% KM (Chebyshev) UCL
			Dibenz[a,h]anthracene	0.04	1.7	0.32	8	3	<b>0.23</b>	95% KM (t) UCL
			Hexachlorobenzene	0.04	270	18.14	6	1	<b>107.2</b>	99% KM (Chebyshev) UCL
			Indeno[1,2,3-cd]pyrene	0.04	4.9	0.60	10	1	<b>0.71</b>	95% KM (BCA) UCL
			Total PCBs	0.00	2.71	0.23	16	1	<b>0.44</b>	95% Adjusted Gamma UCL
			Lead	13.6	1220	208.2	14	1	<b>298.1</b>	95% Approximate Gamma UCL
18	Industrial	0-2	Benzo[a]pyrene	0.23	<b>0.23</b>	0.23	1	1	--	--
	Excavation	0-15	Benzo[a]pyrene	0.23	<b>0.23</b>	0.23	1	1	--	--
20	Excavation	0-15	ORO>C28-C35	31	4500	455.48	21	1	<b>1209</b>	97.5% KM (Chebyshev) UCL
23	Excavation	0-15	Arsenic, Inorganic	4.36	<b>13.4</b>	8.05	3	1	--	--
			Total PCBs	0.0001	<b>0.95</b>	0.48	2	1	--	--
27	Excavation	0-15	Benzo[a]pyrene	0.06	<b>0.3</b>	0.13	4	1	--	--

a/ A UCL is only calculated per analyte in exceedance of screening criteria if 8 or more soil samples were collected within the depths associated with the affected exposure scenario.

-- A UCL was not calculated due to an insufficient sample size.

**Bolded** value indicate exposure point concentration.

**Table 3.2**  
**Exposure Point Concentrations -- Groundwater -- Interior Wells (2010 and 2011 Sampling Events)**

Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average*	Maximum Detection	Maximum Location	Maximum Date	Screening Levels	Sources
COBALT	D	MG/L	4	2	1	1	0.003	0.0057	MW-17S	26-May-10	0.0047	EPA_SL_TapWater_05/13
COBALT	T	MG/L	4	2	2	2	0.003	0.0065	MW-17S	26-May-10	0.0047	EPA_SL_TapWater_05/13
IRON	D	MG/L	4	2	1	1	6.25	21.7	MW-17S	26-May-10	11	EPA_SL_TapWater_05/13
IRON	T	MG/L	4	4	1	1	10.69	37.6	MW-17S	26-May-10	11	EPA_SL_TapWater_05/13
MANGANESE	D	MG/L	3	3	2	2	5.75	10.2	MW-17S	26-May-10	0.32	EPA_SL_TapWater_05/13
MANGANESE	T	MG/L	18	18	6	6	1.15	9.23	MW-17S	26-May-10	0.32	EPA_SL_TapWater_05/13

\* Average was calculated using the detected concentrations and 1/2 of the detection limits for non-detected concentrations.

EPA\_SL\_TapWater\_05/132 - USEPA Regional Screening Levels for Tap Water dated 5/2013.

Thallium was a COPC, but it was not detected in the 2010 and 2011 sampling events.

**Table 3-3**  
**Exposure Parameters**  
**Subsurface and Surface Soil -- Outdoor and Excavation Worker Scenarios**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Frequency, Exposure Duration, Exposure Time and Averaging Time Variables		RME Value	CT Value	Units	References	
ED	Exposure Duration	Outdoor Worker	25	9	yr	U.S. EPA 1991, 2004
		Excavation Worker	1	NA	yr	U.S. EPA 1991
EF	Exposure Frequency	Outdoor Worker	250	219	day/yr	U.S. EPA 1991, 2004
		Excavation Worker	60	NA	day/yr	Three months of the worker year, or approximately 60 days per year
ET	Exposure Time	Outdoor Worker	8	8	hr	Default within the RAIS calculator
		Excavation Worker	8	NA	hr	Default within the RAIS calculator
AT	Averaging Time	Outdoor Worker	25550 (cancer)	25550 (cancer)	days	Lifetime of 70 years (USEPA 1989)
			9125 (non-cancer)	3285 (non-cancer)	days	ED x 365 days/yr (USEPA 1989)
		Excavation Worker	25550 (cancer)	NA	days	Lifetime of 70 years (USEPA 1989)
			365 (non-cancer)	NA	days	ED x 365 days/yr (USEPA 1989)
A <sub>f</sub>	Skin Adherence Factor	Outdoor Worker	0.2	0.2	mg/cm <sup>2</sup>	U.S. EPA 2004
		Excavation Worker	0.2	NA	mg/cm <sup>2</sup>	U.S. EPA 2004
B <sub>w</sub>	Body Weight	Outdoor Worker	70	70	kg	U.S. EPA 1997
		Excavation Worker	70	NA	kg	U.S. EPA 1997
IR	Soil Ingestion Rate	Outdoor Worker	100	100	mg/day	U.S. EPA 2002
		Excavation Worker	330	NA	mg/day	U.S. EPA 2002
SA	Surface Area	Outdoor Worker	3300	3300	cm <sup>2</sup> /day	U.S. EPA 2004
		Excavation Worker	3300	NA	cm <sup>2</sup> /day	U.S. EPA 2004
<b>Particulate Emission Factor Variables</b>						
A <sub>s</sub>	Areal extent of the site or contamination.	0.5	0.5	acres	U.S. EPA 2002 (pg. D-2)	
Q/C <sub>w</sub>	Inverse of the Mean Concentration at the Center of a 0.5-Acre-Square Source	87.36	87.36	g/m <sup>2</sup> -s per kg/m <sup>3</sup>	U.S. EPA (2002), Appendix D, for Philadelphia, PA	
V	fraction of vegetative cover	0.5	0.5	unitless	U.S. EPA (1996, 2002)	
U <sub>m</sub>	mean annual wind speed	4.69	4.69	m/s	U.S. EPA (1996, 2002)	
U <sub>t</sub>	Equivalent Threshold Value of Wind Speed at 7m	11.32	11.32	m/s	U.S. EPA (1996, 2002)	
F(x)	Function Dependent on U <sub>m</sub> /U <sub>t</sub> derived using	0.194	0.194	unitless	U.S. EPA (1996, 2002)	

References:

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**Table 4-1  
Toxicity Values  
Subsurface and Surface Soil -- Outdoor and Excavation Worker Scenarios**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	CAS Number	Molecular Weight (g/mol)	Chronic RfD (mg/kg-day)	RfD Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Inhalation Unit Risk (µg/m <sup>3</sup> ) <sup>-1</sup>	IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub> <sup>(a)</sup>	D <sub>ia</sub>	D <sub>iw</sub>	HLC (atm-m <sup>3</sup> /mol)	K <sub>d</sub>	Calculated Particulate Emission Factor (m <sup>3</sup> /kg)
<b>Organic Constituents</b>																	
1,1,1-Trichloroethane	71-55-6	133.0	2.00E+00	IRIS	-		5.00E+00	IRIS	-		-	-	-	-	-	-	-
1,1-Dichloroethane	75-34-3	99.0	2.00E-01	PPRTV	5.70E-03	CALEPA	5.00E-01	HEAST	1.60E-06	CALEPA	-	-	-	-	-	-	-
1,1-Dichloroethene	75-35-4	96.9	5.00E-02	IRIS	-		2.00E-01	IRIS	-		-	-	-	-	-	-	-
1,2-Dichlorobenzene	95-50-1	147.0	9.00E-02	IRIS	-		2.00E-01	HEAST	-		-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	147.0	7.00E-02	ATSDR	5.40E-03	CALEPA	8.00E-01	IRIS	1.10E-05	CALEPA	-	-	-	-	-	-	-
2,4-Dimethylphenol	105-67-9	122.0	2.00E-02	IRIS	-		-	-	-		-	-	-	-	-	-	-
2-Methylnaphthalene	91-57-6	142.0	4.00E-03	IRIS	-		-	-	-		-	-	-	-	-	-	-
2-Methylphenol (o-cresol)	95-48-7	108.0	5.00E-02	IRIS	-		6.00E-01	CALEPA	-		-	-	-	-	-	-	-
Acenaphthene	83-32-9	154.0	6.00E-02	IRIS	-		-	-	-		-	-	-	-	-	-	-
Acetone	67-64-1	58.1	9.00E-01	IRIS	-		3.09E+01	ATSDR	-		-	-	-	-	-	-	-
Anthracene	120-12-7	178.0	3.00E-01	IRIS	-		-	-	-		-	-	-	-	-	-	-
Benzene	71-43-2	78.1	4.00E-03	IRIS	5.50E-02	IRIS	3.00E-02	IRIS	7.80E-06	IRIS	-	-	-	-	-	-	-
Benz[a]anthracene	56-55-3	228.3	-		7.30E-01	Surrogate	-		1.10E-04	CALEPA	1	0.13	-	-	1.20E-05	-	1.27E+09
Benzo(a)pyrene	50-32-8	252.3	-		7.30E+00	IRIS	-		1.10E-03	CALEPA	1	0.13	-	-	4.57E-07	-	1.27E+09
Benzo[b]fluoranthene	205-99-2	252.3	-		7.30E-01	Surrogate	-		1.10E-04	CALEPA	1	0.13	-	-	6.57E-07	-	1.27E+09
Bis(2-Ethylhexyl)phthalate	117-81-7	391.0	2.00E-02	IRIS	1.40E-02	IRIS	-		2.40E-06	CALEPA	-	-	-	-	-	-	-
Carbazole	86-74-8	167.0	-		2.00E-02	HEAST	-		-		-	-	-	-	-	-	-
Carbon Disulfide	75-15-0	76.1	1.00E-01	IRIS	-		7.00E-01	IRIS	-		-	-	-	-	-	-	-
Chlorobenzene	108-90-7	113.0	2.00E-02	IRIS	-		5.00E-02	PPRTV	-		-	-	-	-	-	-	-
Chloroform	67-66-3	119.0	1.00E-02	IRIS	3.10E-02	CALEPA	9.77E-02	ATSDR	2.30E-05	IRIS	-	-	-	-	-	-	-
Chrysene	218-01-9	228.0	-		7.30E-03	Surrogate, WHO/TEF	-		1.10E-05	CALEPA	-	-	-	-	-	-	-
Cis-1,2 Dichloroethene	156-59-2	96.9	2.00E-03	IRIS	-		-		-		-	-	-	-	-	-	-
Dibenz[a,h]anthracene	53-70-3	278.4	-		7.30E+00	Surrogate	-		1.20E-03	CALEPA	1	0.13	-	-	1.41E-07	-	1.27E+09
Dibenzofuran	132-64-9	168.0	1.00E-03	PPRTV	-		-		-		-	-	-	-	-	-	-
Di-n-butyl Phthalate	84-74-2	278.0	1.00E-01	IRIS	-		-		-		-	-	-	-	-	-	-
Ethyl Chloride	75-00-3	64.5	-		-		1.00E+01	IRIS	-		-	-	-	-	-	-	-
Ethylbenzene	100-41-4	106.0	1.00E-01	IRIS	1.10E-02	CALEPA	1.00E+00	IRIS	2.50E-06	CALEPA	-	-	-	-	-	-	-
Fluorene	86-73-7	166.0	4.00E-02	IRIS	-		-		-		-	-	-	-	-	-	-
Hexachlorobenzene	118-74-1	284.8	8.00E-04	IRIS	1.60E+00	IRIS	-		4.60E-04	IRIS	1	0.1	-	-	1.70E-03	-	1.27E+09
Indeno[1,2,3-cd]pyrene	193-39-5	276.3	-		7.30E-01	Surrogate	-		1.10E-04	CALEPA	1	0.13	-	-	3.48E-07	-	1.27E+09
Methyl Chloride (Chloromethane)	74-87-3	50.5	-		1.30E-02	HEAST	9.00E-02	IRIS	1.80E-06	HEAST	-	-	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	78-93-3	72.1	6.00E-01	IRIS	-		5.00E+00	IRIS	-		-	-	-	-	-	-	-
Methylene Chloride	75-09-2	84.9	6.00E-02	IRIS	7.50E-03	IRIS	1.04E+00	ATSDR	4.70E-07	IRIS	-	-	-	-	-	-	-
Naphthalene	91-20-3	128.0	2.00E-02	IRIS	-		3.00E-03	IRIS	3.40E-05	CALEPA	-	-	-	-	-	-	-
Phenanthrene	85-01-8	178.0	-		-		-		-		-	-	-	-	-	-	-
Tetrachloroethylene	127-18-4	166.0	-		5.40E-01	CALEPA	2.71E-01	ATSDR	5.90E-06	CALEPA	-	-	-	-	-	-	-
Toluene	108-88-3	92.1	8.00E-02	IRIS	-		5.00E+00	IRIS	-		-	-	-	-	-	-	-
Trichloroethene	79-01-6	131.0	5.00E-04	IRIS	4.60E-02	IRIS	2.00E-03	IRIS	4.10E-06	IRIS	-	-	-	-	-	-	-
Vinyl Chloride	75-01-4	62.5	3.00E-03	IRIS	7.20E-01	IRIS	1.00E-01	IRIS	4.40E-06	IRIS	-	-	-	-	-	-	-
Xylenes	1330-20-7	106.0	2.00E-01	IRIS	-		1.00E-01	IRIS	-		-	-	-	-	-	-	-
<b>Other Organic Constituents</b>																	
Total PCBs	1336-36-3	292.0	-		2.00E+00	IRIS	-		5.71E-04	IRIS	1	0.14	-	-	1.90E-04	-	1.27E+09
Dioxins TEQ (TCDD, 2, 3, 7, 8-)	1746-01-6	322.0	1.00E-09	ATSDR	1.30E+05	CALEPA	4.00E-08	CALEPA	3.80E+01	CALEPA	-	-	-	-	-	-	-
ORO > C28-C35			2.00E+00	EPA	-		-		-		1	0.1 <sup>(b)</sup>	-	-	-	-	1.27E+09

**Table 4-1  
Toxicity Values  
Subsurface and Surface Soil -- Outdoor and Excavation Worker Scenarios**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	CAS Number	Molecular Weight (g/mol)	Chronic RfD (mg/kg-day)	RfD Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Inhalation Unit Risk (µg/m <sup>3</sup> ) <sup>-1</sup>	IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub> <sup>(a)</sup>	D <sub>ia</sub>	D <sub>iw</sub>	HLC (atm-m <sup>3</sup> /mol)	K <sub>d</sub>	Calculated Particulate Emission Factor (m <sup>3</sup> /kg)
<b>Metals and Inorganics</b>																	
Aluminum	7429-90-5	30.0	1.00E+00	PPRTV	-		5.00E-03	PPRTV	-		-	-	-	-	-	-	-
Ammonia	7664-41-7	17.0	3.40E+01	HEAST	-		1.00E-01	IRIS	-		-	-	-	-	-	-	-
Antimony	7440-36-0	125.0	3.00E-04	IRIS	-		-		-		-	-	-	-	-	-	-
Arsenic	7440-38-2	74.9	3.00E-04	IRIS	1.50E+00	IRIS	1.50E-05	CALEPA	4.30E-03	IRIS	1	0.03	-	-	-	29	1.27E+09
Barium	7440-39-3	137.0	2.00E-01	IRIS	-		5.00E-04	HEAST	-		-	-	-	-	-	-	-
Beryllium	7440-41-7	9.0	2.00E-03	IRIS	-		2.00E-05	IRIS	2.40E-03	IRIS	-	-	-	-	-	-	-
Cadmium	7440-43-9	112.0	1.00E-03	IRIS	-		1.00E-05	ATSDR	1.80E-03	IRIS	-	-	-	-	-	-	-
Chromium (III) (Soluble Particulates)	16065-83-1	-	-		-		-		-		-	-	-	-	-	-	-
Cobalt	7440-48-4	58.9	3.00E-04	PPRTV	-		6.00E-06	PPRTV	9.00E-03	PPRTV	-	-	-	-	-	-	-
Copper	7440-50-8	63.6	4.00E-02	HEAST	-		-		-		1	-	-	-	-	35	1.27E+09
Cyanide	57-12-5	27.0	2.00E-02	IRIS	-		-		-		-	-	-	-	-	-	-
Iron	7439-89-6	55.9	7.00E-01	PPRTV	-		-		-		-	-	-	-	-	-	-
Lead	7439-92-1	207.0	-		8.50E-03	CALEPA	-		1.20E-05	CALEPA	-	-	-	-	-	-	-
Magnesium	7439-95-4	26.3	-		-		-		-		-	-	-	-	-	-	-
Manganese	7439-96-5	54.9	1.40E-01	IRIS	-		5.00E-05	IRIS	-		-	-	-	-	-	-	-
Mercury	7439-97-6	201.0	1.60E-04	CALEPA	-		3.00E-04	IRIS	-		-	-	-	-	-	-	-
Nickel (Soluble Salts)	7440-02-0	58.7	2.00E-02	IRIS	-		9.00E-05	ATSDR	2.60E-04	CALEPA	-	-	-	-	-	-	-
Nitrate	14797-55-8	62.0	1.60E+00	IRIS	-		-		-		-	-	-	-	-	-	-
Nitrite	14797-65-0	47.0	1.00E-01	IRIS	-		-		-		-	-	-	-	-	-	-
Selenium	7782-49-2	81.0	5.00E-03	IRIS	-		2.00E-02	CALEPA	-		-	-	-	-	-	-	-
Silver	7440-22-4	108.0	5.00E-03	IRIS	-		-		-		-	-	-	-	-	-	-
Thallium	7440-28-0	204.0	1.00E-05	PPRTV	-		-		-		-	-	-	-	-	-	-
Titanium	7440-32-6	47.9	-		-		-		-		-	-	-	-	-	-	-
Vanadium	7440-62-2	50.9	5.00E-03	ATSDR	-		1.00E-04	ATSDR	-		-	-	-	-	-	-	-
Zinc	7440-66-6	67.4	3.00E-01	IRIS	-		-		-		-	-	-	-	-	-	-

**Definitions/References:**

- ABS<sub>d</sub> Fraction of contaminant absorbed dermally from soil (unitless) U.S. EPA 2004 (Exhibit 4-1)
- ABS<sub>gi</sub> Fraction of contaminant absorbed in gastrointestinal tract (unitless) U.S. EPA 2004 (Exhibit 3-4)
- ATSDR Agency for Toxic Substances and Disease Registry
- CALEPA Cal/EPA - OEHHA Toxicity Criteria Database
- DAF Dermal absorption fraction from soil
- D<sub>ia</sub> Diffusivity in air (cm<sup>2</sup>/s)
- D<sub>iw</sub> Diffusivity in water (cm<sup>2</sup>/s)
- EPA EPA 2002. Provisional Peer Reviewed Toxicity Values for Total Petroleum Hydrocarbons. Superfund Health Risk Technical Support Center, Cincinnati, OH.
- HLC Henry's Law Constant
- HEAST EPA Superfund program's Health Effects Assessment Summary
- IRIS EPA's Integrated Risk Information System (IRIS)
- K<sub>d</sub> soil-water partition coefficient
- OAF Oral absorption fraction
- PPRTV Provisional Peer Reviewed Toxicity Value
- RfC Reference concentration
- RfD Reference dose
- SF Slope factor
- Surrogate Benzo(a)pyrene is used as a surrogate, adjusted for a toxicity equivalency factor (TEF). Recommended TEFs from Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons (EPA/600/R-93/089, July 1993) <http://rais.ornl.gov/documents/600R93089.pdf>.

**Notes:** <sup>a</sup> Fraction of contaminant absorbed in gastrointestinal tract (unitless), RAGS Part E (U.S. EPA 2004). Note: if the GIABS is >50% then it is set to 100% for the calculation of dermal toxicity values.

<sup>b</sup> ABS<sub>d</sub> for ORO > C28-C35 is not available in U.S. EPA 2004; therefore, the ABS<sub>d</sub> for SVOCs is used as a surrogate (U.S. EPA 2004, Exhibit 3-4).



**Table 5-1**  
**Estimates of Cancer Risks and Non-Cancer Hazards**  
**Subsurface and Surface Soil – Outdoor and Excavation Worker Scenarios**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMU	Worker Type	COPC	Chronic RfD (mg/kg-day)	Ingestion SF (mg/kg-day) <sup>-1</sup>	Chronic RfC (mg/m <sup>3</sup> )	Inhalation Unit Risk (µg/m <sup>3</sup> ) <sup>-1</sup>	Concentration (mg/kg)	Noncarcinogenic CDI			Carcinogenic CDI			HQ			Total HI	Percent Contribution To Total HI	Risk			Total Risk	Percent Contribution To Total Risk	
								Ingestion (mg/kg-day)	Inhalation Particulates (mg/m <sup>3</sup> )	Dermal (mg/kg-day)	Ingestion (mg/kg-day)	Inhalation Particulates (µg/m <sup>3</sup> )	Dermal (mg/kg-day)	Ingestion	Inhalation Particulates	Dermal			Ingestion	Inhalation Particulates	Dermal			
1 & 3	Industrial	Benz[a]anthracene	-	0.73	-	0.00011	2.97	2.9E-06	5.4E-10	2.5E-06	1.0E-06	1.9E-07	8.9E-07	-	-	-	-	-	7.6E-07	2.1E-11	6.5E-07	1.0E-06	3%	
		Benzo[a]pyrene	-	7.3	-	0.0011	8.69	8.5E-06	1.6E-09	7.3E-06	3.0E-06	5.6E-07	2.6E-06	-	-	-	-	-	2.2E-05	6.15E-10	1.9E-05	4.0E-05	77%	
		Benzo[b]fluoranthene	-	0.73	-	0.00011	10.28	1.0E-05	1.9E-09	8.6E-06	3.6E-06	6.6E-07	3.1E-06	-	-	-	-	-	2.6E-06	7.3E-11	2.3E-06	5.0E-06	9%	
		Dibenz[a,h]anthracene	-	7.3	-	0.0012	1.21	1.2E-06	2.2E-10	1.0E-06	4.2E-07	7.8E-08	3.6E-07	-	-	-	-	-	3.1E-06	9.4E-11	2.7E-06	6.0E-06	11%	
		Indeno[1,2,3-cd]pyrene	-	0.73	-	0.00011	1.15	1.1E-06	2.1E-10	9.7E-07	4.0E-07	7.4E-08	3.5E-07	-	-	-	-	-	2.9E-07	8.1E-12	2.5E-07	5.0E-07	1%	
		<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9E-05	8.1E-10	2.5E-05	5.0E-05	
		Benz[a]anthracene	-	0.73	-	0.00011	2.16	1.9E-06	3.4E-10	1.6E-06	2.4E-07	4.4E-08	2.0E-07	-	-	-	-	-	1.7E-07	4.8E-12	1.5E-07	3.0E-07	7%	
		Benzo[a]pyrene (CT)	-	7.3	-	0.0011	1.67	1.4E-06	2.6E-10	1.2E-06	1.8E-07	3.4E-08	1.6E-07	-	-	-	-	-	1.3E-06	3.7E-11	1.2E-06	3.0E-06	57%	
		Benzo[b]fluoranthene	-	0.73	-	0.00011	1.53	1.3E-06	2.4E-10	1.1E-06	1.7E-07	3.1E-08	1.5E-07	-	-	-	-	-	1.2E-07	3.4E-12	1.1E-07	2.0E-07	5%	
	Dibenz[a,h]anthracene	-	7.3	-	0.0012	0.82	7.0E-07	1.3E-10	6.0E-07	9.0E-08	1.7E-08	7.8E-08	-	-	-	-	-	6.6E-07	2.0E-11	5.7E-07	1.0E-06	28%		
	Indeno[1,2,3-cd]pyrene	-	0.73	-	0.00011	1.0	8.6E-07	1.6E-10	7.4E-07	1.1E-07	2.0E-08	9.5E-08	-	-	-	-	-	8.0E-08	2.2E-12	6.9E-08	1.0E-07	3%		
	<b>*CT Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4E-06	6.8E-11	2.0E-06	4.0E-06		
	Construction	Benz[a]anthracene	-	0.73	-	0.00011	1.69	1.3E-06	7.3E-11	3.4E-07	1.9E-08	1.1E-09	4.9E-09	-	-	-	-	-	1.4E-08	1.2E-13	3.6E-09	2.0E-08	3%	
		Benzo[a]pyrene	-	7.3	-	0.0011	5.08	3.9E-06	2.2E-10	1.0E-06	5.6E-08	3.1E-09	1.5E-08	-	-	-	-	-	4.1E-07	3.5E-12	1.1E-07	5.0E-07	78%	
		Benzo[b]fluoranthene	-	0.73	-	0.00011	4.01	3.1E-06	1.7E-10	8.1E-07	4.4E-08	2.5E-09	1.2E-08	-	-	-	-	-	3.2E-08	2.7E-13	8.4E-09	4.0E-08	6%	
		Copper	0.04	-	-	-	49485	3.8E-02	2.1E-06	-	5.5E-04	3.1E-05	-	0.959	-	-	-	0.96	100%	-	-	-	-	0%
		Dibenz[a,h]anthracene	-	7.3	-	0.0012	0.76	5.9E-07	3.3E-11	1.5E-07	8.4E-09	4.7E-10	2.2E-09	-	-	-	-	-	6.1E-08	5.6E-13	1.6E-08	8.0E-08	12%	
		Indeno[1,2,3-cd]pyrene	-	0.73	-	0.00011	0.67	5.2E-07	2.9E-11	1.4E-07	7.4E-09	4.2E-10	1.9E-09	-	-	-	-	-	5.4E-09	4.6E-14	1.4E-09	7.0E-09	1%	
<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	0.959	-	-	0.96	-	5.2E-07	4.5E-12	1.4E-07	7.0E-07			
4	Industrial	Benzo[a]pyrene	-	7.3	-	0.0011	0.40	3.9E-07	7.2E-11	3.4E-07	1.4E-07	2.6E-08	1.2E-07	-	-	-	-	-	1.0E-06	2.8E-11	8.8E-07	2.0E-06	100%	
	<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0E-06	2.8E-11	8.8E-07	2.0E-06		
	Construction	Benzo[a]pyrene	-	7.3	-	0.0011	0.26	2.1E-07	1.1E-11	5.3E-08	2.9E-09	1.6E-10	7.6E-10	-	-	-	-	-	2.1E-08	1.8E-13	5.6E-09	3.0E-08	100%	
<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1E-08	1.8E-13	5.6E-09	3.0E-08			
5	Industrial	Benzo[a]pyrene	-	7.3	-	0.0011	0.74	7.2E-07	1.3E-10	6.2E-07	2.6E-07	4.8E-08	2.2E-07	-	-	-	-	-	1.9E-06	5.2E-11	1.6E-06	4.0E-06	43%	
		Benzo[b]fluoranthene	-	0.73	-	0.00011	1.31	1.3E-06	2.4E-10	1.1E-06	4.6E-07	8.4E-08	3.9E-07	-	-	-	-	-	3.3E-07	9.3E-12	2.9E-07	6.0E-07	8%	
		Dibenz[a,h]anthracene	-	7.3	-	0.0012	0.22	2.2E-07	4.0E-11	1.9E-07	7.7E-08	1.4E-08	6.6E-08	-	-	-	-	-	5.6E-07	1.7E-11	4.8E-07	1.0E-06	13%	
		Total PCBs	-	2	-	0.00057	2.18	2.1E-06	3.9E-10	2.0E-06	7.6E-07	1.4E-07	7.0E-07	-	-	-	-	-	1.5E-06	8.0E-11	1.4E-06	3.0E-06	36%	
	<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3E-06	1.6E-10	3.8E-06	8.0E-06		
	Construction	Benz[a]anthracene	-	0.73	-	0.00011	6.26	4.9E-06	2.7E-10	1.3E-06	6.9E-08	3.9E-09	1.8E-08	-	-	-	-	-	5.1E-08	4.3E-13	1.3E-08	6.0E-08	2%	
		Benzo[a]pyrene	-	7.3	-	0.0011	3.17	2.5E-06	1.4E-10	6.4E-07	3.5E-08	2.0E-09	9.1E-09	-	-	-	-	-	2.6E-07	2.2E-12	6.7E-08	3.0E-07	12%	
		Benzo[b]fluoranthene	-	0.73	-	0.00011	4.04	3.1E-06	1.8E-10	8.1E-07	4.5E-08	2.5E-09	1.2E-08	-	-	-	-	-	3.3E-08	2.8E-13	8.5E-09	4.0E-08	1%	
		Dibenz[a,h]anthracene	-	7.3	-	0.0012	0.23	1.8E-07	9.9E-12	4.6E-08	2.5E-09	1.4E-10	6.6E-10	-	-	-	-	-	1.8E-08	1.7E-13	4.8E-09	2.0E-08	1%	
		Hexachlorobenzene	0.0008	1.6	-	0.00046	107.2	8.3E-05	4.6E-09	1.7E-05	1.2E-06	6.6E-08	2.4E-07	0.10	-	0.021	0.125	100%	1.9E-06	3.1E-11	3.8E-07	2.0E-06	83%	
Indeno[1,2,3-cd]pyrene		-	0.73	-	0.00011	0.71	5.5E-07	3.1E-11	1.4E-07	7.8E-09	4.4E-10	2.0E-09	-	-	-	-	-	5.7E-09	4.8E-14	1.5E-09	7.0E-09	0%		
<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	0.10	-	0.021	0.125	-	2.3E-06	3.4E-11	4.8E-07	3.0E-06			
18	Industrial	Benzo[a]pyrene	-	7.3	-	0.0011	0.23	2.3E-07	4.2E-11	1.9E-07	8.0E-08	1.5E-08	6.9E-08	-	-	-	-	-	5.9E-07	1.6E-11	5.0E-07	1.0E-06	100%	
	<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9E-07	1.6E-11	5.0E-07	1.0E-06		
Construction	Benzo[a]pyrene	-	7.3	-	0.0011	0.23	1.8E-07	1.0E-11	4.6E-08	2.6E-09	1.4E-10	6.6E-10	-	-	-	-	-	1.9E-08	1.6E-13	4.8E-09	2.0E-08	100%		
<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9E-08	1.6E-13	4.8E-09	2.0E-08			
20	Construction	ORO>C28-C35	2	-	-	-	1209	9.4E-04	5.2E-08	1.9E-04	1.3E-05	7.5E-07	2.7E-06	0.00047	-	0.00009	0.0006	100%	-	-	-	-		
<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00047	-	0.00009	0.0006	-	-	-	-	-		
23	Construction	Arsenic, Inorganic	0.0003	1.5	0.000015	0.0043	13.40	1.0E-05	5.8E-10	6.2E-07	1.5E-07	8.3E-09	8.9E-09	0.035	0.000039	0.0021	0.037	100%	2.2E-07	3.6E-11	1.3E-08	2.0E-07	90%	
		Total PCBs	-	2	-	0.000571	0.95	7.4E-07	4.1E-11	2.1E-07	1.1E-08	5.9E-10	3.0E-09	-	-	-	-	-	2.1E-08	3.4E-13	5.9E-09	3.0E-08	10%	
<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	0.035	0.000039	0.00208	0.037	-	2.4E-07	3.6E-11	1.9E-08	3.0E-07			
27	Construction	Benzo[a]pyrene	-	7.3	-	0.0011	0.30	2.3E-07	1.3E-11	6.0E-08	3.3E-09	1.9E-10	8.6E-10	-	-	-	-	-	2.4E-08	2.0E-13	6.3E-09	3.0E-08	100%	
		<b>*Total Risk/HI</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4E-08	2.0E-13	6.3E-09	3.0E-08	

Definitions:  
 CDI Chronic daily intake, or dose.  
 COPC Chemical of potential concern  
 CT Central tendency, CT was only calculated for the constituents with a total risk exceeding the target risk of 1E-05 under the RME scenario.  
 RME Reasonable maximum exposure  
 RfC Reference concentration  
 RfD Reference dose  
 SF Slope factor  
 Risk = CDI × SF, or CDI × Inhalation Unit Risk  
 Noncancer Hazard Quotient = CDI/RfD, or CDI /RfC  
 Risk Drivers are highlighted blue or purple.

**Table 5.2**  
**Groundwater Carcinogenic and Noncarcinogenic Risk Estimates -- Construction Worker**  
**Incidental Ingestion and Dermal Contact with Groundwater**

Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Constituents	CAS Number <sup>a/</sup>	PC (cm/hr)	C (mg/L)	RfD (mg/kg-day) <sup>b/</sup>	SF (mg/kg-day) <sup>-1</sup> <sub>b/</sub>	Carcinogens		Noncarcinogens		Carcinogens		Noncarcinogens		Total			
						Intake <sub>oral</sub>	Intake <sub>dermal</sub>	Intake <sub>oral</sub>	Intake <sub>dermal</sub>	Risk <sub>oral</sub>	Risk <sub>dermal</sub>	HQ <sub>oral</sub>	HQ <sub>dermal</sub>	Risk	HQ		
						(mg/L)	(mg/L)	(mg/L)	(mg/L)								
Cobalt	7440-48-4	0.0004	c	0.0065	0.0003	d	--	4.36E-09	5.76E-10	3.05E-07	4.03E-08	--	--	1.02E-03	1.34E-04	--	1.15E-03
Iron	7439-89-6	0.001	c	37.6	0.7	d	--	2.52E-05	8.33E-06	1.77E-03	5.83E-04	--	--	2.52E-03	8.33E-04	--	3.36E-03
Manganese	7439-96-5	0.001	c	10.2	0.14	e	--	6.84E-06	2.26E-06	4.79E-04	1.58E-04	--	--	3.42E-03	1.13E-03	--	4.55E-03
Thallium	7440-28-0	0.001	c	--	0.00001	d	--	--	--	--	--	--	--	--	--	--	--
<b>Total</b>														6.96E-03	2.10E-03		9.06E-03

a) CAS = Chemical Abstracts Service number.

b) mg/kg-day = milligram per kilogram-day.

c) Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment.

d) Provisional Peer Reviewed Toxicity Value (PPRTV).

e) USEPA Integrated Risk Information System (IRIS).

-- = toxicity data not available.

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
1,1,1-TRICHLOROETHANE	T	µg/L	57	4	2.15E+00	2.80E+01	MW-21S		1.94E+11
1,1-DICHLOROETHANE	T	µg/L	57	4	1.71E+00	1.90E+01	MW-21S	4.97E+03	3.13E+10
1,1-DICHLOROETHENE	T	µg/L	59	6	1.94E+00	1.90E+01	MW-21S		5.15E+09
1,2-DICHLOROBENZENE	T	µg/L	49	2	1.17E+00	2.60E+01	MW-20S		2.83E+09
1,4-DICHLOROBENZENE	T	µg/L	49	2	5.78E-01	4.00E+00	MW-20S	9.11E+02	2.17E+09
ACETONE	T	µg/L	57	5	7.67E+00	1.30E+02	MW-20S		4.08E+11
BENZENE	T	µg/L	57	2	1.75E+00	5.40E+01	MW-20S	2.55E+04	3.38E+08
CARBON DISULFIDE	T	µg/L	57	6	5.88E-01	2.00E+00	MW-18D		1.05E+10
CHLOROBENZENE	T	µg/L	57	2	5.61E-01	8.00E+00	MW-20S		9.63E+08
CHLOROFORM	T	µg/L	57	19	1.66E+00	8.00E+00	MW-2	2.68E+04	1.55E+09
CIS-1,2 DICHLOROETHENE	T	µg/L	57	10	3.35E+00	3.80E+01	MW-21S		2.17E+08
ETHYL CHLORIDE	T	µg/L	57	2	7.46E-01	8.00E+00	MW-20S		
ETHYLBENZENE	T	µg/L	57	2	2.14E+01	6.10E+02	MW-20S	1.71E+03	2.87E+09
METHYL CHLORIDE	T	µg/L	57	2	8.33E-01	1.40E+01	MW-20S	1.05E+04	1.48E+10
METHYL ETHYL KETONE	T	µg/L	57	2	2.57E+00	3.40E+01	MW-20S		2.39E+11
METHYLENE CHLORIDE	T	µg/L	56	2	2.36E+00	4.30E+01	MW-22D	1.00E+04	1.42E+10
TETRACHLOROETHYLENE	T	µg/L	57	13	4.78E+00	3.30E+01	MW-23	1.21E+05	
TOLUENE	T	µg/L	57	3	4.77E+01	1.60E+03	MW-20S		3.52E+09
TRANS-1,2-DICHLOROETHENE	T	µg/L	57	2	4.77E-01	2.00E+00	MW-23		
TRICHLOROETHENE	T	µg/L	57	10	4.59E+00	5.80E+01	MW-21S	2.86E+04	5.19E+07
VINYL CHLORIDE	T	µg/L	57	4	7.98E-01	5.00E+00	MW-21S	5.33E+05	4.01E+08
XYLENES	T	µg/L	57	2	1.27E+02	3.60E+03	MW-20S		5.98E+09
2,4-DIMETHYLPHENOL	T	µg/L	36	2	1.92E+00	1.00E+01	MW-20S		2.18E+09
2-METHYLNAPHTHALENE	T	µg/L	47	4	2.79E+00	6.10E+01	MW-20S		6.32E+07
2-METHYLPHENOL (O-CRESOL)	T	µg/L	35	1	5.40E-01	2.00E+00	MW-20S		7.15E+09
ACENAPHTHENE	T	µg/L	51	2	5.89E-01	6.00E+00	MW-22D		1.01E+09
ANTHRACENE	T	µg/L	51	1	3.71E-01	2.10E-02	MW-1		3.09E+09
BENZO[A]PYRENE	T	µg/L	51	1	3.70E-01	1.20E-02	MW-04	8.22E+04	
BIS(2-ETHYLHEXYL)PHTHALATE	T	µg/L	49	2	1.22E+00	9.00E+00	MW-18D	9.96E+01	2.63E+07
CARBAZOLE	T	µg/L	49	2	5.16E-01	1.00E+00	MW-22D		5.29E+08
CHRYSENE	T	µg/L	51	1	3.74E-01	4.10E-02	MW-3	9.83E+01	
DIBENZOFURAN	T	µg/L	49	2	5.78E-01	3.00E+00	MW-22D		1.49E+07
DI-N-BUTYL PHTHALATE	T	µg/L	49	3	7.37E+00	2.80E+02	MW-19D		3.33E+09
FLUORENE	T	µg/L	51	2	4.20E-01	2.00E+00	MW-22D		5.29E+08
HEXACHLOROBENZENE	T	µg/L	158	1	5.64E-01	1.00E+00	MW-23		
NAPHTHALENE	T	µg/L	53	4	6.31E+00	1.60E+02	MW-20S		6.04E+08

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**

Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PHENANTHRENE	T	µg/L	51	2	4.13E-01	2.00E+00	MW-22D		
1,2,3,4,6,7,8-HPCDD	D	µg/L	7	0	1.47E-06				
1,2,3,4,6,7,8-HPCDD	T	µg/L	160	49	4.43E-06	1.25E-04	MW-18S		
1,2,3,4,6,7,8-HPCDF	D	µg/L	7	0	5.34E-07				
1,2,3,4,6,7,8-HPCDF	T	µg/L	161	15	1.86E-06	1.95E-04	MW-18S		
1,2,3,4,7,8,9-HPCDF	D	µg/L	7	0	7.77E-07				
1,2,3,4,7,8,9-HPCDF	T	µg/L	168	2	1.04E-06	7.80E-05	MW-18S		
1,2,3,4,7,8-HXCDD	D	µg/L	7	0	7.41E-07				
1,2,3,4,7,8-HXCDD	T	µg/L	168	2	6.65E-07	2.39E-06	MW-18S		
1,2,3,4,7,8-HXCDF	D	µg/L	7	0	3.38E-07				
1,2,3,4,7,8-HXCDF	T	µg/L	167	4	7.87E-07	8.40E-05	MW-18S		
1,2,3,6,7,8-HXCDD	D	µg/L	7	0	8.06E-07				
1,2,3,6,7,8-HXCDD	T	µg/L	168	6	7.31E-07	5.60E-06	MW-18S		
1,2,3,6,7,8-HXCDF	D	µg/L	7	0	3.34E-07				
1,2,3,6,7,8-HXCDF	T	µg/L	168	4	3.67E-07	1.47E-05	MW-18S		
1,2,3,7,8,9-HXCDD	D	µg/L	7	0	8.86E-07				
1,2,3,7,8,9-HXCDD	T	µg/L	164	3	7.20E-07	4.16E-06	MW-18S		
1,2,3,7,8,9-HXCDF	D	µg/L	7	0	4.90E-07				
1,2,3,7,8,9-HXCDF	T	µg/L	168	1	4.67E-07	8.41E-06	MW-18S		
1,2,3,7,8-PECDD	D	µg/L	7	0	5.08E-07				
1,2,3,7,8-PECDD	T	µg/L	168	0	5.63E-07				
1,2,3,7,8-PECDF	D	µg/L	7	0	4.07E-07				
1,2,3,7,8-PECDF	T	µg/L	168	1	6.14E-07	1.23E-05	MW-18S		
2,3,4,6,7,8-HXCDF	D	µg/L	7	0	3.52E-07				
2,3,4,6,7,8-HXCDF	T	µg/L	168	4	3.93E-07	1.28E-05	MW-18S		
2,3,4,7,8-PECDF	D	µg/L	7	0	3.61E-07				
2,3,4,7,8-PECDF	T	µg/L	168	3	5.45E-07	6.32E-06	MW-18S		
2,3,7,8-TCDD	D	µg/L	7	0	3.78E-07				
2,3,7,8-TCDD	T	µg/L	168	1	4.55E-07	8.57E-07	MW-18S		
2,3,7,8-TCDF	D	µg/L	7	0	2.10E-07				
2,3,7,8-TCDF	T	µg/L	168	1	4.35E-07	6.77E-06	MW-18S		
HPCDDS	D	µg/L	7	0	1.47E-06				
HPCDDS	T	µg/L	41	16	1.04E-05	3.01E-04	MW-18S		
HXCDDS	D	µg/L	7	0	8.10E-07				
HXCDDS	T	µg/L	132	31	3.52E-06	9.74E-05	MW-18S		
HXCDFS	D	µg/L	7	0	3.73E-07				

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
HXCDFS	T	µg/L	132	8	1.83E-06	1.84E-04	MW-18S		
OCDD	D	µg/L	7	0	2.46E-06				
OCDD	T	µg/L	141	103	1.38E-04	3.51E-03	MW-18S		
OCDF	D	µg/L	7	0	2.97E-06				
OCDF	T	µg/L	154	37	2.03E-05	2.56E-03	MW-18S		
TCDDS	D	µg/L	7	0	3.78E-07				
TCDDS	T	µg/L	145	41	1.76E-06	1.75E-05	MW-18S		
TCDFS	D	µg/L	7	0	2.10E-07				
TCDFS	T	µg/L	166	10	1.15E-06	6.52E-05	MW-18S		
TOTAL HPCDD	T	µg/L	31	3	2.07E-06	2.23E-05	MW-1		
TOTAL HPCDF	T	µg/L	30	3	9.86E-07	4.69E-06	MW-2		
TOTAL HXCDD	T	µg/L	33	3	1.59E-06	2.22E-05	MW-1		
TOTAL HXCDF	T	µg/L	35	3	1.25E-06	1.63E-05	MW-1		
TOTAL PECDD	T	µg/L	36	2	1.01E-06	1.04E-05	MW-1		
TOTAL PECDDS	D	µg/L	7	0	5.08E-07				
TOTAL PECDDS	T	µg/L	132	12	1.19E-06	2.89E-05	MW-18S		
TOTAL PECDF	T	µg/L	36	3	8.65E-07	1.29E-05	MW-1		
TOTAL PECDFS	D	µg/L	7	0	3.82E-07				
TOTAL PECDFS	T	µg/L	132	5	1.22E-06	7.75E-05	MW-18S		
PCB 1	D	µg/L	6	1	1.42E-06	3.31E-06	MW-05		
PCB 1	T	µg/L	78	31	1.87E-05	1.68E-04	MW-22D		
PCB 10	D	µg/L	7	0	1.06E-06				
PCB 10	T	µg/L	81	4	4.06E-06	2.75E-05	MW-18S		
PCB 103	D	µg/L	7	0	8.36E-07				
PCB 103	T	µg/L	81	2	1.24E-06	1.90E-05	MW-18S		
PCB 105	D	µg/L	7	0	7.40E-07				
PCB 105	T	µg/L	139	25	1.46E-05	9.38E-04	MW-18S		
PCB 109	D	µg/L	7	0	6.39E-07				
PCB 109	T	µg/L	68	2	2.83E-06	1.35E-04	MW-18S		
PCB 11	T	µg/L	16	12	6.87E-05	3.56E-04	MW-20S		
PCB 110	D	µg/L	3	0	6.93E-07				
PCB 110	T	µg/L	35	26	8.62E-05	2.72E-03	MW-18S		
PCB 114	D	µg/L	7	0	7.03E-07				
PCB 114	T	µg/L	168	1	4.37E-06	4.05E-05	MW-18S		
PCB 117	D	µg/L	7	0	7.78E-07				
PCB 117	T	µg/L	81	1	1.03E-06	3.01E-06	MW-5		

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**

Risk Analysis

DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB 118	D	µg/L	6	0	7.00E-07				
PCB 118	T	µg/L	38	26	6.15E-05	2.07E-03	MW-18S		
PCB 123	D	µg/L	7	0	7.58E-07				
PCB 123	T	µg/L	168	1	4.26E-06	1.88E-05	MW-18S		
PCB 130	D	µg/L	7	0	9.57E-07				
PCB 130	T	µg/L	68	3	5.40E-06	2.46E-04	MW-18S		
PCB 131	D	µg/L	7	0	8.29E-07				
PCB 131	T	µg/L	81	1	1.46E-06	3.87E-05	MW-18S		
PCB 132	D	µg/L	7	0	8.20E-07				
PCB 132	T	µg/L	58	11	2.22E-05	1.02E-03	MW-18S		
PCB 133	D	µg/L	7	0	8.26E-07				
PCB 133	T	µg/L	68	3	1.92E-06	4.69E-05	MW-18S		
PCB 134	D	µg/L	7	0	1.03E-06				
PCB 134	T	µg/L	80	2	3.85E-06	2.04E-04	MW-18S		
PCB 136	D	µg/L	7	0	7.12E-07				
PCB 136	T	µg/L	76	13	6.30E-06	3.45E-04	MW-18S		
PCB 137	D	µg/L	7	0	7.69E-07				
PCB 137	T	µg/L	81	2	2.44E-06	1.15E-04	MW-18S		
PCB 14	D	µg/L	7	0	1.05E-06				
PCB 14	T	µg/L	81	0	3.47E-06				
PCB 141	D	µg/L	7	0	7.71E-07				
PCB 141	T	µg/L	79	8	1.09E-05	4.88E-04	MW-18S		
PCB 142	D	µg/L	7	0	8.67E-07				
PCB 142	T	µg/L	81	0	1.16E-06				
PCB 143	D	µg/L	7	0	8.13E-07				
PCB 143	T	µg/L	81	0	1.06E-06				
PCB 144	D	µg/L	7	0	8.34E-07				
PCB 144	T	µg/L	81	3	2.60E-06	1.14E-04	MW-18S		
PCB 145	D	µg/L	7	0	6.65E-07				
PCB 145	T	µg/L	81	0	9.05E-07				
PCB 146	D	µg/L	7	0	7.26E-07				
PCB 146	T	µg/L	67	7	1.07E-05	5.01E-04	MW-18S		
PCB 148	D	µg/L	7	0	7.84E-07				
PCB 148	T	µg/L	81	1	1.07E-06	3.82E-06	MW-18S		
PCB 15	D	µg/L	7	0	1.28E-06				
PCB 15	T	µg/L	78	19	1.03E-05	4.03E-04	MW-18S		

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB 150	D	µg/L	7	0	6.05E-07				
PCB 150	T	µg/L	81	1	9.67E-07	5.71E-06	MW-1		
PCB 154	D	µg/L	7	0	7.39E-07				
PCB 154	T	µg/L	81	2	1.46E-06	4.06E-05	MW-18S		
PCB 156	T	µg/L	87	1	3.97E-06	1.40E-05	MW-06		
PCB 157	T	µg/L	87	1	3.56E-06	5.52E-06	MW-06		
PCB 158	D	µg/L	7	0	6.24E-07				
PCB 158	T	µg/L	80	7	7.17E-06	3.81E-04	MW-18S		
PCB 159	D	µg/L	7	0	6.94E-07				
PCB 159	T	µg/L	81	3	1.93E-06	5.82E-05	MW-22S		
PCB 16	D	µg/L	6	0	1.45E-06				
PCB 16	T	µg/L	70	23	1.61E-05	6.78E-04	MW-18S		
PCB 160	D	µg/L	7	0	6.42E-07				
PCB 160	T	µg/L	81	1	8.70E-07	1.24E-06	MW-21D		
PCB 162	D	µg/L	7	0	7.08E-07				
PCB 162	T	µg/L	75	1	1.07E-06	2.40E-06	MW-06		
PCB 164	D	µg/L	7	0	5.84E-07				
PCB 164	T	µg/L	73	3	4.95E-06	2.20E-04	MW-18S		
PCB 167	D	µg/L	7	0	7.63E-07				
PCB 167	T	µg/L	158	5	4.17E-06	1.83E-04	MW-18S		
PCB 169	D	µg/L	7	0	1.11E-06				
PCB 169	T	µg/L	150	8	3.23E-06	4.53E-06	MW-04		
PCB 17	D	µg/L	6	0	1.15E-06				
PCB 17	T	µg/L	63	17	1.31E-05	5.58E-04	MW-18S		
PCB 170	D	µg/L	7	0	8.91E-07				
PCB 170	T	µg/L	77	10	6.05E-05	3.61E-03	MW-22S		
PCB 172	D	µg/L	7	0	8.23E-07				
PCB 172	T	µg/L	81	3	9.12E-06	4.83E-04	MW-22S		
PCB 174	D	µg/L	7	0	8.02E-07				
PCB 174	T	µg/L	76	10	3.46E-05	1.58E-03	MW-22S		
PCB 175	D	µg/L	7	0	1.23E-06				
PCB 175	T	µg/L	81	3	2.40E-06	4.98E-05	MW-22S		
PCB 176	D	µg/L	7	0	5.13E-07				
PCB 176	T	µg/L	81	4	2.39E-06	6.66E-05	MW-18S		
PCB 177	D	µg/L	7	0	8.69E-07				
PCB 177	T	µg/L	79	6	2.08E-05	9.73E-04	MW-22S		

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB 178	D	µg/L	7	0	6.90E-07				
PCB 178	T	µg/L	81	4	4.82E-06	1.70E-04	MW-22S		
PCB 179	D	µg/L	7	0	5.42E-07				
PCB 179	T	µg/L	79	7	5.72E-06	2.40E-04	MW-18S		
PCB 183	D	µg/L	7	0	6.94E-07				
PCB 183	T	µg/L	80	11	1.72E-05	7.73E-04	MW-22S		
PCB 185	D	µg/L	7	0	8.32E-07				
PCB 185	T	µg/L	81	2	2.80E-06	1.14E-04	MW-22S		
PCB 187	D	µg/L	7	0	7.54E-07				
PCB 187	T	µg/L	72	13	3.85E-05	1.39E-03	MW-22S		
PCB 189	D	µg/L	7	0	8.35E-07				
PCB 189	T	µg/L	168	3	3.09E-06	1.69E-04	MW-22S		
PCB 19	D	µg/L	7	0	1.21E-06				
PCB 19	T	µg/L	80	16	6.19E-06	2.15E-04	MW-18S		
PCB 190	D	µg/L	7	0	7.56E-07				
PCB 190	T	µg/L	81	4	1.32E-05	7.87E-04	MW-22S		
PCB 191	D	µg/L	7	0	7.16E-07				
PCB 191	T	µg/L	81	3	3.30E-06	1.46E-04	MW-22S		
PCB 194	D	µg/L	7	0	1.20E-06				
PCB 194	T	µg/L	78	13	5.38E-05	3.35E-03	MW-22S		
PCB 195	D	µg/L	7	0	1.23E-06				
PCB 195	T	µg/L	81	3	1.75E-05	1.10E-03	MW-22S		
PCB 196	D	µg/L	7	0	8.84E-07				
PCB 196	T	µg/L	81	5	2.16E-05	1.27E-03	MW-22S		
PCB 197	D	µg/L	7	0	6.16E-07				
PCB 197	T	µg/L	81	3	1.48E-06	3.43E-05	MW-22S		
PCB 2	D	µg/L	6	0	8.46E-07				
PCB 2	T	µg/L	78	32	5.42E-06	4.44E-05	MW-21S		
PCB 200	D	µg/L	7	0	7.80E-07				
PCB 200	T	µg/L	81	3	4.36E-06	2.01E-04	MW-22S		
PCB 201	D	µg/L	7	0	7.16E-07				
PCB 201	T	µg/L	81	3	4.32E-06	1.43E-04	MW-18S		
PCB 202	D	µg/L	7	0	6.99E-07				
PCB 202	T	µg/L	81	8	7.71E-06	4.00E-04	MW-18S		
PCB 203	D	µg/L	7	0	8.64E-07				
PCB 203	T	µg/L	80	7	2.75E-05	1.46E-03	MW-22S		



**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB 205	D	µg/L	7	0	9.89E-07				
PCB 205	T	µg/L	81	3	4.12E-06	1.90E-04	MW-22S		
PCB 206	D	µg/L	7	0	3.11E-06				
PCB 206	T	µg/L	81	11	1.72E-04	1.26E-02	MW-18S		
PCB 207	D	µg/L	7	0	2.08E-06				
PCB 207	T	µg/L	81	3	1.54E-05	1.01E-03	MW-18S		
PCB 208	D	µg/L	7	0	2.06E-06				
PCB 208	T	µg/L	81	9	6.66E-05	5.03E-03	MW-18S		
PCB 209	D	µg/L	7	0	1.43E-06				
PCB 209	T	µg/L	80	24	3.93E-04	2.83E-02	MW-18S		
PCB 22	D	µg/L	6	0	9.62E-07				
PCB 22	T	µg/L	64	15	9.36E-06	4.51E-04	MW-18S		
PCB 23	D	µg/L	7	0	9.79E-07				
PCB 23	T	µg/L	81	1	1.29E-06	1.93E-06	MW-21D		
PCB 25	D	µg/L	7	0	8.53E-07				
PCB 25	T	µg/L	81	5	2.40E-06	9.80E-05	MW-18S		
PCB 27	D	µg/L	7	0	9.60E-07				
PCB 27	T	µg/L	81	3	2.68E-06	1.06E-04	MW-18S		
PCB 3	D	µg/L	7	0	8.64E-07				
PCB 3	T	µg/L	74	31	5.66E-06	8.52E-05	MW-18S		
PCB 31	T	µg/L	37	24	3.36E-05	9.94E-04	MW-18S		
PCB 32	D	µg/L	6	0	8.34E-07				
PCB 32	T	µg/L	60	29	9.74E-06	3.59E-04	MW-18S		
PCB 34	D	µg/L	7	0	1.05E-06				
PCB 34	T	µg/L	81	1	1.36E-06	1.13E-05	MW-18S		
PCB 35	D	µg/L	7	0	1.10E-06				
PCB 35	T	µg/L	81	2	1.63E-06	2.59E-05	MW-18S		
PCB 37	D	µg/L	7	0	1.09E-06				
PCB 37	T	µg/L	80	11	7.43E-06	4.55E-04	MW-18S		
PCB 38	D	µg/L	7	0	1.02E-06				
PCB 38	T	µg/L	81	1	1.27E-06	1.12E-06	MW-21D		
PCB 39	D	µg/L	7	0	8.99E-07				
PCB 39	T	µg/L	81	6	1.26E-06	1.63E-06	MW-23		
PCB 4	D	µg/L	6	2	2.72E-06	4.45E-06	MW-05		
PCB 4	T	µg/L	68	20	3.34E-05	8.55E-04	MW-18S		
PCB 41	D	µg/L	7	0	1.21E-06				

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**

Risk Analysis

DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB 41	T	µg/L	81	1	2.06E-06	6.75E-05	MW-18S		
PCB 42	D	µg/L	6	0	1.19E-06				
PCB 42	T	µg/L	81	6	4.75E-06	2.59E-04	MW-18S		
PCB 43	D	µg/L	7	0	1.25E-06				
PCB 43	T	µg/L	81	1	1.83E-06	3.97E-05	MW-18S		
PCB 45	D	µg/L	7	0	1.15E-06				
PCB 45	T	µg/L	80	6	3.35E-06	1.44E-04	MW-18S		
PCB 46	D	µg/L	7	0	1.17E-06				
PCB 46	T	µg/L	81	3	2.05E-06	5.78E-05	MW-18S		
PCB 48	D	µg/L	7	0	9.90E-07				
PCB 48	T	µg/L	81	6	3.42E-06	1.76E-04	MW-18S		
PCB 5	D	µg/L	7	0	1.12E-06				
PCB 5	T	µg/L	81	1	3.65E-06	2.31E-06	MW-20S		
PCB 51	D	µg/L	7	0	1.04E-06				
PCB 51	T	µg/L	81	10	3.53E-06	3.72E-05	MW-21S		
PCB 52	T	µg/L	24	22	6.33E-05	1.25E-03	MW-18S		
PCB 54	D	µg/L	7	0	6.53E-07				
PCB 54	T	µg/L	81	1	8.05E-07	3.03E-06	MW-18S		
PCB 56	D	µg/L	6	0	1.03E-06				
PCB 56	T	µg/L	80	20	7.67E-06	4.81E-04	MW-18S		
PCB 57	D	µg/L	7	0	1.07E-06				
PCB 57	T	µg/L	81	1	1.09E-06	1.07E-06	MW-21D		
PCB 6	D	µg/L	7	0	1.14E-06				
PCB 6	T	µg/L	80	15	6.68E-06	1.59E-04	MW-18S		
PCB 60	D	µg/L	7	0	9.80E-07				
PCB 60	T	µg/L	81	5	3.17E-06	1.73E-04	MW-18S		
PCB 63	D	µg/L	7	0	9.05E-07				
PCB 63	T	µg/L	81	2	1.42E-06	3.72E-05	MW-18S		
PCB 64	D	µg/L	4	0	6.58E-07				
PCB 64	T	µg/L	62	21	7.21E-06	3.19E-04	MW-18S		
PCB 66	D	µg/L	4	0	8.53E-07				
PCB 66	T	µg/L	66	32	1.86E-05	1.03E-03	MW-18S		
PCB 67	D	µg/L	7	0	8.99E-07				
PCB 67	T	µg/L	81	2	1.33E-06	3.15E-05	MW-18S		
PCB 68	D	µg/L	7	0	9.38E-07				
PCB 68	T	µg/L	81	9	2.58E-06	2.74E-05	MW-23		

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**

Risk Analysis

DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB 7	D	µg/L	7	0	1.05E-06				
PCB 7	T	µg/L	78	8	3.93E-06	2.26E-05	MW-18S		
PCB 72	D	µg/L	7	0	1.13E-06				
PCB 72	T	µg/L	81	1	1.15E-06	1.58E-05	MW-18S		
PCB 77	D	µg/L	7	0	1.22E-06				
PCB 77	T	µg/L	149	15	4.89E-06	1.08E-04	MW-18S		
PCB 8	D	µg/L	2	0	1.38E-06				
PCB 8	T	µg/L	54	30	2.54E-05	7.62E-04	MW-18S		
PCB 82	D	µg/L	7	0	1.07E-06				
PCB 82	T	µg/L	80	1	4.58E-06	2.57E-04	MW-18S		
PCB 83	D	µg/L	7	0	1.06E-06				
PCB 83	T	µg/L	81	2	3.01E-06	1.31E-04	MW-18S		
PCB 84	D	µg/L	7	0	1.03E-06				
PCB 84	T	µg/L	67	10	9.63E-06	5.01E-04	MW-18S		
PCB 88	D	µg/L	7	0	1.05E-06				
PCB 88	T	µg/L	81	2	1.52E-06	4.32E-06	MW-22D		
PCB 9	D	µg/L	7	0	1.12E-06				
PCB 9	T	µg/L	81	15	4.55E-06	4.34E-05	MW-18S		
PCB 91	D	µg/L	7	0	8.46E-07				
PCB 91	T	µg/L	76	4	3.54E-06	1.81E-04	MW-18S		
PCB 92	D	µg/L	7	0	1.04E-06				
PCB 92	T	µg/L	70	10	8.14E-06	4.21E-04	MW-18S		
PCB 95	D	µg/L	3	0	8.58E-07				
PCB 95	T	µg/L	36	28	4.78E-05	1.38E-03	MW-18S		
PCB 96	D	µg/L	7	0	7.36E-07				
PCB 96	T	µg/L	81	1	1.02E-06	1.36E-05	MW-18S		
PCB 99	D	µg/L	7	0	8.26E-07				
PCB 99	T	µg/L	53	12	1.80E-05	8.31E-04	MW-18S		
PCB-106/118	T	µg/L	80	20	1.48E-05	1.32E-04	MW-06		
PCB-107/124	D	µg/L	7	0	8.13E-07				
PCB-107/124	T	µg/L	81	1	1.86E-06	7.61E-05	MW-18S		
PCB-108/119/86/97/125/87	D	µg/L	7	0	8.39E-07				
PCB-108/119/86/97/125/87	T	µg/L	60	19	2.73E-05	1.36E-03	MW-18S		
PCB-113/90/101	D	µg/L	2	0	7.43E-07				
PCB-113/90/101	T	µg/L	33	28	6.95E-05	1.95E-03	MW-18S		
PCB-116/85	D	µg/L	7	0	8.40E-07				

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**

Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB-116/85	T	µg/L	81	3	4.70E-06	2.89E-04	MW-18S		
PCB-128/166	D	µg/L	7	0	9.49E-07				
PCB-128/166	T	µg/L	72	7	1.35E-05	7.73E-04	MW-18S		
PCB-13/12	D	µg/L	7	0	1.19E-06				
PCB-13/12	T	µg/L	81	3	4.41E-06	2.39E-05	MW-20S		
PCB-139/140	D	µg/L	7	0	7.74E-07				
PCB-139/140	T	µg/L	81	2	1.63E-06	5.02E-05	MW-18S		
PCB-147/149	D	µg/L	6	0	7.52E-07				
PCB-147/149	T	µg/L	38	20	6.69E-05	1.96E-03	MW-18S		
PCB-151/135	D	µg/L	7	0	8.14E-07				
PCB-151/135	T	µg/L	62	12	1.82E-05	8.44E-04	MW-18S		
PCB-153/168	D	µg/L	6	0	6.27E-07				
PCB-153/168	T	µg/L	36	20	1.02E-04	2.34E-03	MW-18S		
PCB-156/157	D	µg/L	7	0	9.94E-07				
PCB-156/157	T	µg/L	72	3	1.48E-05	7.07E-04	MW-18S		
PCB-163/138/129	D	µg/L	6	0	7.83E-07				
PCB-163/138/129	T	µg/L	32	17	1.62E-04	3.51E-03	MW-18S		
PCB-171/173	D	µg/L	7	0	8.56E-07				
PCB-171/173	T	µg/L	81	3	1.13E-05	5.38E-04	MW-22S		
PCB-180/193	D	µg/L	7	1	9.10E-07	2.14E-06	MW-02		
PCB-180/193	T	µg/L	65	17	1.42E-04	7.16E-03	MW-22S		
PCB-198/199	D	µg/L	7	0	9.29E-07				
PCB-198/199	T	µg/L	78	9	5.08E-05	2.30E-03	MW-22S		
PCB-21/33	D	µg/L	2	0	1.00E-06				
PCB-21/33	T	µg/L	54	25	1.55E-05	6.26E-04	MW-18S		
PCB-26/29	D	µg/L	7	0	9.61E-07				
PCB-26/29	T	µg/L	80	12	4.36E-06	2.05E-04	MW-18S		
PCB-28/20	D	µg/L	1	0	1.03E-06				
PCB-28/20	T	µg/L	20	13	7.79E-05	1.34E-03	MW-18S		
PCB-30/18	T	µg/L	32	29	6.76E-05	1.44E-03	MW-18S		
PCB-44/47/65	D	µg/L	1	0	1.17E-06				
PCB-44/47/65	T	µg/L	32	28	4.33E-05	9.70E-04	MW-18S		
PCB-50/53	D	µg/L	7	0	1.07E-06				
PCB-50/53	T	µg/L	80	13	3.34E-06	1.32E-04	MW-18S		
PCB-59/62/75	D	µg/L	7	0	8.04E-07				
PCB-59/62/75	T	µg/L	81	4	1.92E-06	7.90E-05	MW-18S		

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PCB-61/70/74/76	T	µg/L	44	32	5.07E-05	1.89E-03	MW-18S		
PCB-69/49	T	µg/L	39	26	2.03E-05	5.92E-04	MW-18S		
PCB-71/40	T	µg/L	77	25	7.27E-06	3.79E-04	MW-18S		
DIOXIN TEQ*	T	µg/L				2.31E-05		1.29E+09	1.84E+00
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	T	µg/L	80	1	1.63E-05	5.24E-05	MW-03		
TOTAL DICHLOROBIPHENYLS (CONGENERS)	T	µg/L	97	18	8.33E-05	2.39E-03	MW-18S		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	D	µg/L	7	1	1.06E-06	2.14E-06	MW-02		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	T	µg/L	145	20	1.88E-04	1.81E-02	MW-22S		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	T	µg/L	115	28	1.87E-04	1.42E-02	MW-18S		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	T	µg/L	150	33	2.17E-05	2.87E-04	MW-18S		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	T	µg/L	161	15	1.36E-04	1.86E-02	MW-18S		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	T	µg/L	157	15	1.02E-04	1.02E-02	MW-22S		
TOTAL PCB (CONGENERS)	T	µg/L	18	18	2.38E-03	7.32E-03	MW-01	4.42E+05	1.91E+04
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	T	µg/L	104	42	1.98E-04	1.33E-02	MW-18S		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	T	µg/L	93	46	3.75E-04	8.28E-03	MW-18S		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	T	µg/L	87	36	2.81E-04	7.56E-03	MW-18S		
ALUMINUM	D	µg/L	73	32	1.08E+04	1.76E+05	MW-02		3.95E+11
ALUMINUM	T	µg/L	71	70	1.27E+04	1.85E+05	MW-02		
ANTIMONY	D	µg/L	60	4	9.79E+00	3.49E+01	MW-3		1.58E+08
ANTIMONY	T	µg/L	172	5	7.78E+00	5.01E+01	MW-3		
ARSENIC	D	µg/L	60	18	1.48E+01	3.62E+02	MW-02	3.45E+06	1.19E+08
ARSENIC	T	µg/L	169	38	1.88E+01	3.43E+02	MW-02		
BARIUM	D	µg/L	73	73	2.77E+02	3.99E+03	MW-02		7.90E+10
BARIUM	T	µg/L	73	73	3.17E+02	4.20E+03	MW-02		
BERYLLIUM	D	µg/L	71	27	2.38E+01	3.67E+02	MW-02		7.90E+08
BERYLLIUM	T	µg/L	71	31	2.40E+01	3.83E+02	MW-02		
CADMIUM	D	µg/L	72	18	2.78E+00	2.37E+01	MW-2		1.98E+08
CADMIUM	T	µg/L	72	19	3.04E+00	2.46E+01	MW-02		
CALCIUM	D	µg/L	53	53	1.59E+05	8.76E+05	MW-02		
CALCIUM	T	µg/L	53	53	1.63E+05	9.10E+05	MW-02		
CHROMIUM	D	µg/L	49	7	3.62E+00	2.63E+01	MW-01		
CHROMIUM	T	µg/L	45	27	1.54E+01	1.57E+02	MW-18S		
COBALT	D	µg/L	71	50	3.10E+02	4.21E+03	MW-02		1.41E+08
COBALT	T	µg/L	72	56	3.16E+02	4.38E+03	MW-02		
COPPER	D	µg/L	66	24	6.21E+03	1.23E+05	MW-20S		1.58E+10
COPPER	T	µg/L	61	40	6.32E+03	1.36E+05	MW-20S		

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
FERROUS IRON	T	µg/L	45	45	1.77E+05	8.31E+05	MW-03		
IRON	D	µg/L	73	69	1.17E+05	8.56E+05	MW-3		2.77E+11
IRON	T	µg/L	115	114	1.59E+05	8.38E+05	MW-3		
LEAD	D	µg/L	53	38	7.59E+00	5.43E+01	MW-20S		
LEAD	T	µg/L	77	61	1.10E+01	1.46E+02	MW-18S		
MAGNESIUM	D	µg/L	53	53	5.49E+04	2.91E+05	MW-02		
MAGNESIUM	T	µg/L	53	53	5.59E+04	3.04E+05	MW-02		
MANGANESE	D	µg/L	77	77	1.38E+04	1.59E+05	MW-02		5.53E+10
MANGANESE	T	µg/L	189	189	2.07E+04	1.79E+05	MW-02		
MERCURY	D	µg/L	55	6	5.23E-02	4.90E-01	MW-02		1.19E+08
MERCURY	T	µg/L	54	10	1.90E-01	4.40E+00	MW-3		
NICKEL	D	µg/L	70	52	1.88E+02	1.75E+03	MW-02		1.00E+10
NICKEL	T	µg/L	70	60	1.98E+02	1.82E+03	MW-02		
POTASSIUM	D	µg/L	53	53	1.82E+04	2.30E+05	MW-18S		
POTASSIUM	T	µg/L	53	53	1.62E+04	1.77E+05	MW-18S		
SELENIUM	D	µg/L	53	6	1.01E+01	6.60E+01	MW-03		1.98E+09
SELENIUM	T	µg/L	53	7	1.04E+01	6.80E+01	MW-03		
SILVER	D	µg/L	53	11	3.35E+00	3.69E+01	MW-02		2.21E+09
SILVER	T	µg/L	53	12	3.57E+00	3.99E+01	MW-02		
SODIUM	D	µg/L	53	53	1.06E+05	4.35E+05	MW-22D		
SODIUM	T	µg/L	53	53	1.09E+05	5.37E+05	MW-22D		
THALLIUM	D	µg/L	60	23	2.60E+01	1.05E+03	MW-2		3.95E+06
THALLIUM	T	µg/L	170	41	1.18E+01	3.06E+02	MW-02		
TITANIUM	D	µg/L	53	4	3.20E+00	1.66E+01	MW-18S		
TITANIUM	T	µg/L	52	44	7.32E+01	1.07E+03	MW-18S		
VANADIUM	D	µg/L	53	16	1.30E+01	1.66E+02	MW-20S		2.77E+07
VANADIUM	T	µg/L	53	45	2.41E+01	1.87E+02	MW-20S		
ZINC	D	µg/L	69	47	5.12E+02	5.43E+03	MW-02		1.33E+11
ZINC	T	µg/L	70	56	5.36E+02	5.66E+03	MW-02		
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	T	µg/L	53	41	7.03E+04	8.89E+05	MW-18S		
AMMONIA	T	µg/L	51	24	2.11E+03	1.21E+04	MW-18S		1.34E+13
CHLORIDE	T	µg/L	52	52	8.41E+05	6.51E+06	MW-02		
CYANIDE	T	µg/L	53	1	3.11E+00	3.50E+01	MW-01		8.45E+09
FERRIC IRON	T	µg/L	52	28	1.17E+04	1.59E+05	MW-20S		
NITRATE	T	µg/L	52	9	2.05E+02	2.70E+03	MW-19S		6.32E+11
NITRITE	T	µg/L	52	29	9.93E+01	1.70E+03	MW-3		3.95E+10

**Table 5-3**  
**Risk-Based Comparison for Off-Site Recreational Users**  
**Groundwater -- Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening	
								Risk	HQ
								DF=97,353	DF=37,847
PHOSPHORUS	T	µg/L	53	2	1.41E+02	5.80E+02	MW-18S		
SILICA	T	µg/L	52	52	3.35E+04	8.05E+04	MW-22D		
SULFATE	T	µg/L	52	37	2.07E+05	1.57E+06	MW-05		
SULFIDE	T	µg/L	53	7	3.90E+01	2.00E+02	MW-04		
TOTAL DISSOLVED SOLIDS	T	µg/L	28	28	2.15E+06	9.67E+06	MW-02		
TOTAL HARDNESS AS CaCO3	T	µg/L	19	19	7.40E+05	3.10E+06	MW-02		
TOTAL ORGANIC CARBON	T	µg/L	82	58	2.22E+03	2.63E+04	MW-18S		
TOTAL SUSPENDED SOLIDS	T	µg/L	109	101	9.07E+04	1.16E+06	MW-03		
DISSOLVED OXYGEN (FIELD)	T	µg/L	178	178	4.66E+02	1.24E+04	MW-02		
HPCDFS	T	µg/L	128	14	3.92E-06	3.50E-04	MW-18S		
TOTAL HPCDDS	T	µg/L	83	36	1.26E-05	1.83E-04	MW-02		

DF - dilution factor

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
1,1,1-TRICHLOROETHANE	T	µg/L	57	4	2.15E+00	2.80E+01	MW-21S	3.24E+05
1,1-DICHLOROETHANE	T	µg/L	57	4	1.71E+00	1.90E+01	MW-21S	1.38E+06
1,1-DICHLOROETHENE	T	µg/L	59	6	1.94E+00	1.90E+01	MW-21S	7.35E+05
1,2-DICHLOROBENZENE	T	µg/L	49	2	1.17E+00	2.60E+01	MW-20S	2.06E+04
1,4-DICHLOROBENZENE	T	µg/L	49	2	5.78E-01	4.00E+00	MW-20S	7.65E+05
ACETONE	T	µg/L	57	5	7.67E+00	1.30E+02	MW-20S	4.41E+07
BENZENE	T	µg/L	57	2	1.75E+00	5.40E+01	MW-20S	1.09E+07
CARBON DISULFIDE	T	µg/L	57	6	5.88E-01	2.00E+00	MW-18D	2.71E+04
CHLOROBENZENE	T	µg/L	57	2	5.61E-01	8.00E+00	MW-20S	3.82E+04
CHLOROFORM	T	µg/L	57	19	1.66E+00	8.00E+00	MW-2	5.29E+04
CIS-1,2 DICHLOROETHENE	T	µg/L	57	10	3.35E+00	3.80E+01	MW-21S	9.12E+05
ETHYL CHLORIDE	T	µg/L	57	2	7.46E-01	8.00E+00	MW-20S	
ETHYLBENZENE	T	µg/L	57	2	2.14E+01	6.10E+02	MW-20S	2.65E+06
METHYL CHLORIDE	T	µg/L	57	2	8.33E-01	1.40E+01	MW-20S	2.89E+06
METHYL ETHYL KETONE	T	µg/L	57	2	2.57E+00	3.40E+01	MW-20S	4.12E+08
METHYLENE CHLORIDE	T	µg/L	56	2	2.36E+00	4.30E+01	MW-22D	2.89E+06
TETRACHLOROETHYLENE	T	µg/L	57	13	4.78E+00	3.30E+01	MW-23	3.26E+06
TOLUENE	T	µg/L	57	3	4.77E+01	1.60E+03	MW-20S	5.88E+04
TRANS-1,2-DICHLOROETHENE	T	µg/L	57	2	4.77E-01	2.00E+00	MW-23	9.12E+05
TRICHLOROETHENE	T	µg/L	57	10	4.59E+00	5.80E+01	MW-21S	6.18E+05
VINYL CHLORIDE	T	µg/L	57	4	7.98E-01	5.00E+00	MW-21S	2.74E+07
XYLENES	T	µg/L	57	2	1.27E+02	3.60E+03	MW-20S	3.82E+05
2,4-DIMETHYLPHENOL	T	µg/L	36	2	1.92E+00	1.00E+01	MW-20S	1.59E+07
2-METHYLNAPHTHALENE	T	µg/L	47	4	2.79E+00	6.10E+01	MW-20S	1.38E+05
2-METHYLPHENOL (O-CRESOL)	T	µg/L	35	1	5.40E-01	2.00E+00	MW-20S	
ACENAPHTHENE	T	µg/L	51	2	5.89E-01	6.00E+00	MW-22D	
ANTHRACENE	T	µg/L	51	1	3.71E-01	2.10E-02	MW-1	3.53E+02
BENZO[A]PYRENE	T	µg/L	51	1	3.70E-01	1.20E-02	MW-04	4.41E+02
BIS(2-ETHYLHEXYL)PHTHALATE	T	µg/L	49	2	1.22E+00	9.00E+00	MW-18D	4.71E+05
CARBAZOLE	T	µg/L	49	2	5.16E-01	1.00E+00	MW-22D	
CHRYSENE	T	µg/L	51	1	3.74E-01	4.10E-02	MW-3	1.18E+02
DIBENZOFURAN	T	µg/L	49	2	5.78E-01	3.00E+00	MW-22D	1.09E+05
DI-N-BUTYL PHTHALATE	T	µg/L	49	3	7.37E+00	2.80E+02	MW-19D	6.47E+05
FLUORENE	T	µg/L	51	2	4.20E-01	2.00E+00	MW-22D	8.82E+04
HEXACHLOROBENZENE	T	µg/L	158	1	5.64E-01	1.00E+00	MW-23	8.82E+00
NAPHTHALENE	T	µg/L	53	4	6.31E+00	1.60E+02	MW-20S	3.24E+04
PHENANTHRENE	T	µg/L	51	2	4.13E-01	2.00E+00	MW-22D	1.18E+04
1,2,3,4,6,7,8-HPCDD	D	µg/L	7	0	1.47E-06			
1,2,3,4,6,7,8-HPCDD	T	µg/L	160	49	4.43E-06	1.25E-04	MW-18S	
1,2,3,4,6,7,8-HPCDF	D	µg/L	7	0	5.34E-07			
1,2,3,4,6,7,8-HPCDF	T	µg/L	161	15	1.86E-06	1.95E-04	MW-18S	
1,2,3,4,7,8,9-HPCDF	D	µg/L	7	0	7.77E-07			
1,2,3,4,7,8,9-HPCDF	T	µg/L	168	2	1.04E-06	7.80E-05	MW-18S	
1,2,3,4,7,8-HXCDD	D	µg/L	7	0	7.41E-07			
1,2,3,4,7,8-HXCDD	T	µg/L	168	2	6.65E-07	0.00000239	MW-18S	
1,2,3,4,7,8-HXCDF	D	µg/L	7	0	3.38E-07			
1,2,3,4,7,8-HXCDF	T	µg/L	167	4	7.87E-07	8.40E-05	MW-18S	
1,2,3,6,7,8-HXCDD	D	µg/L	7	0	8.06E-07			
1,2,3,6,7,8-HXCDD	T	µg/L	168	6	7.31E-07	5.60E-06	MW-18S	
1,2,3,6,7,8-HXCDF	D	µg/L	7	0	3.34E-07			
1,2,3,6,7,8-HXCDF	T	µg/L	168	4	3.67E-07	1.47E-05	MW-18S	
1,2,3,7,8,9-HXCDD	D	µg/L	7	0	8.86E-07			
1,2,3,7,8,9-HXCDD	T	µg/L	164	3	7.20E-07	0.00000416	MW-18S	
1,2,3,7,8,9-HXCDF	D	µg/L	7	0	4.90E-07			
1,2,3,7,8,9-HXCDF	T	µg/L	168	1	4.67E-07	0.00000841	MW-18S	
1,2,3,7,8-PECDD	D	µg/L	7	0	5.08E-07			
1,2,3,7,8-PECDD	T	µg/L	168	0	5.63E-07			
1,2,3,7,8-PECDF	D	µg/L	7	0	4.07E-07			
1,2,3,7,8-PECDF	T	µg/L	168	1	6.14E-07	1.23E-05	MW-18S	
2,3,4,6,7,8-HXCDF	D	µg/L	7	0	3.52E-07			
2,3,4,6,7,8-HXCDF	T	µg/L	168	4	3.93E-07	1.28E-05	MW-18S	
2,3,4,7,8-PECDF	D	µg/L	7	0	3.61E-07			



**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
2,3,4,7,8-PECDF	T	µg/L	168	3	5.45E-07	0.00000632	MW-18S	
2,3,7,8-TCDD	D	µg/L	7	0	3.78E-07			
2,3,7,8-TCDD	T	µg/L	168	1	4.55E-07	8.57E-07	MW-18S	
2,3,7,8-TCDF	D	µg/L	7	0	2.10E-07			
2,3,7,8-TCDF	T	µg/L	168	1	4.35E-07	0.00000677	MW-18S	
HPCDDS	D	µg/L	7	0	1.47E-06			
HPCDDS	T	µg/L	41	16	1.04E-05	3.01E-04	MW-18S	
HXCDDS	D	µg/L	7	0	8.10E-07			
HXCDDS	T	µg/L	132	31	3.52E-06	9.74E-05	MW-18S	
HXCDFS	D	µg/L	7	0	3.73E-07			
HXCDFS	T	µg/L	132	8	1.83E-06	1.84E-04	MW-18S	
OCDD	D	µg/L	7	0	2.46E-06			
OCDD	T	µg/L	141	103	1.38E-04	3.51E-03	MW-18S	
OCDF	D	µg/L	7	0	2.97E-06			
OCDF	T	µg/L	154	37	2.03E-05	2.56E-03	MW-18S	
TCDDS	D	µg/L	7	0	3.78E-07			
TCDDS	T	µg/L	145	41	1.76E-06	1.75E-05	MW-18S	
TCDFS	D	µg/L	7	0	2.10E-07			
TCDFS	T	µg/L	166	10	1.15E-06	6.52E-05	MW-18S	
TOTAL HPCDD	T	µg/L	31	3	2.07E-06	2.23E-05	MW-1	
TOTAL HPCDF	T	µg/L	30	3	9.86E-07	0.00000469	MW-2	
TOTAL HXCDD	T	µg/L	33	3	1.59E-06	2.22E-05	MW-1	
TOTAL HXCDF	T	µg/L	35	3	1.25E-06	1.63E-05	MW-1	
TOTAL PECDD	T	µg/L	36	2	1.01E-06	1.04E-05	MW-1	
TOTAL PECDDS	D	µg/L	7	0	5.08E-07			
TOTAL PECDDS	T	µg/L	132	12	1.19E-06	2.89E-05	MW-18S	
TOTAL PECDF	T	µg/L	36	3	8.65E-07	1.29E-05	MW-1	
TOTAL PECDFS	D	µg/L	7	0	3.82E-07			
TOTAL PECDFS	T	µg/L	132	5	1.22E-06	7.75E-05	MW-18S	
PCB 1	D	µg/L	6	1	1.42E-06	0.00000331	MW-05	
PCB 1	T	µg/L	78	31	1.87E-05	1.68E-04	MW-22D	
PCB 10	D	µg/L	7	0	1.06E-06			
PCB 10	T	µg/L	81	4	4.06E-06	2.75E-05	MW-18S	
PCB 103	D	µg/L	7	0	8.36E-07			
PCB 103	T	µg/L	81	2	1.24E-06	1.90E-05	MW-18S	
PCB 105	D	µg/L	7	0	7.40E-07			
PCB 105	T	µg/L	139	25	1.46E-05	9.38E-04	MW-18S	
PCB 109	D	µg/L	7	0	6.39E-07			
PCB 109	T	µg/L	68	2	2.83E-06	1.35E-04	MW-18S	
PCB 11	T	µg/L	16	12	6.87E-05	3.56E-04	MW-20S	
PCB 110	D	µg/L	3	0	6.93E-07			
PCB 110	T	µg/L	35	26	8.62E-05	2.72E-03	MW-18S	
PCB 114	D	µg/L	7	0	7.03E-07			
PCB 114	T	µg/L	168	1	4.37E-06	4.05E-05	MW-18S	
PCB 117	D	µg/L	7	0	7.78E-07			
PCB 117	T	µg/L	81	1	1.03E-06	0.00000301	MW-5	
PCB 118	D	µg/L	6	0	7.00E-07			
PCB 118	T	µg/L	38	26	6.15E-05	2.07E-03	MW-18S	
PCB 123	D	µg/L	7	0	7.58E-07			
PCB 123	T	µg/L	168	1	4.26E-06	1.88E-05	MW-18S	
PCB 130	D	µg/L	7	0	9.57E-07			
PCB 130	T	µg/L	68	3	5.40E-06	2.46E-04	MW-18S	
PCB 131	D	µg/L	7	0	8.29E-07			
PCB 131	T	µg/L	81	1	1.46E-06	3.87E-05	MW-18S	
PCB 132	D	µg/L	7	0	8.20E-07			
PCB 132	T	µg/L	58	11	2.22E-05	1.02E-03	MW-18S	
PCB 133	D	µg/L	7	0	8.26E-07			
PCB 133	T	µg/L	68	3	1.92E-06	4.69E-05	MW-18S	
PCB 134	D	µg/L	7	0	1.03E-06			
PCB 134	T	µg/L	80	2	3.85E-06	2.04E-04	MW-18S	
PCB 136	D	µg/L	7	0	7.12E-07			
PCB 136	T	µg/L	76	13	6.30E-06	3.45E-04	MW-18S	

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
PCB 137	D	µg/L	7	0	7.69E-07			
PCB 137	T	µg/L	81	2	2.44E-06	1.15E-04	MW-18S	
PCB 14	D	µg/L	7	0	1.05E-06			
PCB 14	T	µg/L	81	0	3.47E-06			
PCB 141	D	µg/L	7	0	7.71E-07			
PCB 141	T	µg/L	79	8	1.09E-05	4.88E-04	MW-18S	
PCB 142	D	µg/L	7	0	8.67E-07			
PCB 142	T	µg/L	81	0	1.16E-06			
PCB 143	D	µg/L	7	0	8.13E-07			
PCB 143	T	µg/L	81	0	1.06E-06			
PCB 144	D	µg/L	7	0	8.34E-07			
PCB 144	T	µg/L	81	3	2.60E-06	1.14E-04	MW-18S	
PCB 145	D	µg/L	7	0	6.65E-07			
PCB 145	T	µg/L	81	0	9.05E-07			
PCB 146	D	µg/L	7	0	7.26E-07			
PCB 146	T	µg/L	67	7	1.07E-05	5.01E-04	MW-18S	
PCB 148	D	µg/L	7	0	7.84E-07			
PCB 148	T	µg/L	81	1	1.07E-06	0.00000382	MW-18S	
PCB 15	D	µg/L	7	0	1.28E-06			
PCB 15	T	µg/L	78	19	1.03E-05	4.03E-04	MW-18S	
PCB 150	D	µg/L	7	0	6.05E-07			
PCB 150	T	µg/L	81	1	9.67E-07	0.00000571	MW-1	
PCB 154	D	µg/L	7	0	7.39E-07			
PCB 154	T	µg/L	81	2	1.46E-06	4.06E-05	MW-18S	
PCB 156	T	µg/L	87	1	3.97E-06	1.40E-05	MW-06	
PCB 157	T	µg/L	87	1	3.56E-06	0.00000552	MW-06	
PCB 158	D	µg/L	7	0	6.24E-07			
PCB 158	T	µg/L	80	7	7.17E-06	3.81E-04	MW-18S	
PCB 159	D	µg/L	7	0	6.94E-07			
PCB 159	T	µg/L	81	3	1.93E-06	5.82E-05	MW-22S	
PCB 16	D	µg/L	6	0	1.45E-06			
PCB 16	T	µg/L	70	23	1.61E-05	6.78E-04	MW-18S	
PCB 160	D	µg/L	7	0	6.42E-07			
PCB 160	T	µg/L	81	1	8.70E-07	0.00000124	MW-21D	
PCB 162	D	µg/L	7	0	7.08E-07			
PCB 162	T	µg/L	75	1	1.07E-06	2.40E-06	MW-06	
PCB 164	D	µg/L	7	0	5.84E-07			
PCB 164	T	µg/L	73	3	4.95E-06	2.20E-04	MW-18S	
PCB 167	D	µg/L	7	0	7.63E-07			
PCB 167	T	µg/L	158	5	4.17E-06	1.83E-04	MW-18S	
PCB 169	D	µg/L	7	0	1.11E-06			
PCB 169	T	µg/L	150	8	3.23E-06	0.00000453	MW-04	
PCB 17	D	µg/L	6	0	1.15E-06			
PCB 17	T	µg/L	63	17	1.31E-05	5.58E-04	MW-18S	
PCB 170	D	µg/L	7	0	8.91E-07			
PCB 170	T	µg/L	77	10	6.05E-05	3.61E-03	MW-22S	
PCB 172	D	µg/L	7	0	8.23E-07			
PCB 172	T	µg/L	81	3	9.12E-06	4.83E-04	MW-22S	
PCB 174	D	µg/L	7	0	8.02E-07			
PCB 174	T	µg/L	76	10	3.46E-05	1.58E-03	MW-22S	
PCB 175	D	µg/L	7	0	1.23E-06			
PCB 175	T	µg/L	81	3	2.40E-06	4.98E-05	MW-22S	
PCB 176	D	µg/L	7	0	5.13E-07			
PCB 176	T	µg/L	81	4	2.39E-06	6.66E-05	MW-18S	
PCB 177	D	µg/L	7	0	8.69E-07			
PCB 177	T	µg/L	79	6	2.08E-05	9.73E-04	MW-22S	
PCB 178	D	µg/L	7	0	6.90E-07			
PCB 178	T	µg/L	81	4	4.82E-06	1.70E-04	MW-22S	
PCB 179	D	µg/L	7	0	5.42E-07			
PCB 179	T	µg/L	79	7	5.72E-06	2.40E-04	MW-18S	
PCB 183	D	µg/L	7	0	6.94E-07			
PCB 183	T	µg/L	80	11	1.72E-05	7.73E-04	MW-22S	

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
PCB 185	D	µg/L	7	0	8.32E-07			
PCB 185	T	µg/L	81	2	2.80E-06	1.14E-04	MW-22S	
PCB 187	D	µg/L	7	0	7.54E-07			
PCB 187	T	µg/L	72	13	3.85E-05	1.39E-03	MW-22S	
PCB 189	D	µg/L	7	0	8.35E-07			
PCB 189	T	µg/L	168	3	3.09E-06	1.69E-04	MW-22S	
PCB 19	D	µg/L	7	0	1.21E-06			
PCB 19	T	µg/L	80	16	6.19E-06	2.15E-04	MW-18S	
PCB 190	D	µg/L	7	0	7.56E-07			
PCB 190	T	µg/L	81	4	1.32E-05	7.87E-04	MW-22S	
PCB 191	D	µg/L	7	0	7.16E-07			
PCB 191	T	µg/L	81	3	3.30E-06	1.46E-04	MW-22S	
PCB 194	D	µg/L	7	0	1.20E-06			
PCB 194	T	µg/L	78	13	5.38E-05	3.35E-03	MW-22S	
PCB 195	D	µg/L	7	0	1.23E-06			
PCB 195	T	µg/L	81	3	1.75E-05	1.10E-03	MW-22S	
PCB 196	D	µg/L	7	0	8.84E-07			
PCB 196	T	µg/L	81	5	2.16E-05	1.27E-03	MW-22S	
PCB 197	D	µg/L	7	0	6.16E-07			
PCB 197	T	µg/L	81	3	1.48E-06	3.43E-05	MW-22S	
PCB 2	D	µg/L	6	0	8.46E-07			
PCB 2	T	µg/L	78	32	5.42E-06	4.44E-05	MW-21S	
PCB 200	D	µg/L	7	0	7.80E-07			
PCB 200	T	µg/L	81	3	4.36E-06	2.01E-04	MW-22S	
PCB 201	D	µg/L	7	0	7.16E-07			
PCB 201	T	µg/L	81	3	4.32E-06	1.43E-04	MW-18S	
PCB 202	D	µg/L	7	0	6.99E-07			
PCB 202	T	µg/L	81	8	7.71E-06	4.00E-04	MW-18S	
PCB 203	D	µg/L	7	0	8.64E-07			
PCB 203	T	µg/L	80	7	2.75E-05	1.46E-03	MW-22S	
PCB 205	D	µg/L	7	0	9.89E-07			
PCB 205	T	µg/L	81	3	4.12E-06	1.90E-04	MW-22S	
PCB 206	D	µg/L	7	0	3.11E-06			
PCB 206	T	µg/L	81	11	1.72E-04	1.26E-02	MW-18S	
PCB 207	D	µg/L	7	0	2.08E-06			
PCB 207	T	µg/L	81	3	1.54E-05	1.01E-03	MW-18S	
PCB 208	D	µg/L	7	0	2.06E-06			
PCB 208	T	µg/L	81	9	6.66E-05	5.03E-03	MW-18S	
PCB 209	D	µg/L	7	0	1.43E-06			
PCB 209	T	µg/L	80	24	3.93E-04	2.83E-02	MW-18S	
PCB 22	D	µg/L	6	0	9.62E-07			
PCB 22	T	µg/L	64	15	9.36E-06	4.51E-04	MW-18S	
PCB 23	D	µg/L	7	0	9.79E-07			
PCB 23	T	µg/L	81	1	1.29E-06	1.93E-06	MW-21D	
PCB 25	D	µg/L	7	0	8.53E-07			
PCB 25	T	µg/L	81	5	2.40E-06	9.80E-05	MW-18S	
PCB 27	D	µg/L	7	0	9.60E-07			
PCB 27	T	µg/L	81	3	2.68E-06	1.06E-04	MW-18S	
PCB 3	D	µg/L	7	0	8.64E-07			
PCB 3	T	µg/L	74	31	5.66E-06	8.52E-05	MW-18S	
PCB 31	T	µg/L	37	24	3.36E-05	9.94E-04	MW-18S	
PCB 32	D	µg/L	6	0	8.34E-07			
PCB 32	T	µg/L	60	29	9.74E-06	3.59E-04	MW-18S	
PCB 34	D	µg/L	7	0	1.05E-06			
PCB 34	T	µg/L	81	1	1.36E-06	1.13E-05	MW-18S	
PCB 35	D	µg/L	7	0	1.10E-06			
PCB 35	T	µg/L	81	2	1.63E-06	2.59E-05	MW-18S	
PCB 37	D	µg/L	7	0	1.09E-06			
PCB 37	T	µg/L	80	11	7.43E-06	4.55E-04	MW-18S	
PCB 38	D	µg/L	7	0	1.02E-06			
PCB 38	T	µg/L	81	1	1.27E-06	1.12E-06	MW-21D	
PCB 39	D	µg/L	7	0	8.99E-07			

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
PCB 39	T	µg/L	81	6	1.26E-06	1.63E-06	MW-23	
PCB 4	D	µg/L	6	2	2.72E-06	4.45E-06	MW-05	
PCB 4	T	µg/L	68	20	3.34E-05	8.55E-04	MW-18S	
PCB 41	D	µg/L	7	0	1.21E-06			
PCB 41	T	µg/L	81	1	2.06E-06	6.75E-05	MW-18S	
PCB 42	D	µg/L	6	0	1.19E-06			
PCB 42	T	µg/L	81	6	4.75E-06	2.59E-04	MW-18S	
PCB 43	D	µg/L	7	0	1.25E-06			
PCB 43	T	µg/L	81	1	1.83E-06	3.97E-05	MW-18S	
PCB 45	D	µg/L	7	0	1.15E-06			
PCB 45	T	µg/L	80	6	3.35E-06	1.44E-04	MW-18S	
PCB 46	D	µg/L	7	0	1.17E-06			
PCB 46	T	µg/L	81	3	2.05E-06	5.78E-05	MW-18S	
PCB 48	D	µg/L	7	0	9.90E-07			
PCB 48	T	µg/L	81	6	3.42E-06	1.76E-04	MW-18S	
PCB 5	D	µg/L	7	0	1.12E-06			
PCB 5	T	µg/L	81	1	3.65E-06	2.31E-06	MW-20S	
PCB 51	D	µg/L	7	0	1.04E-06			
PCB 51	T	µg/L	81	10	3.53E-06	3.72E-05	MW-21S	
PCB 52	T	µg/L	24	22	6.33E-05	1.25E-03	MW-18S	
PCB 54	D	µg/L	7	0	6.53E-07			
PCB 54	T	µg/L	81	1	8.05E-07	3.03E-06	MW-18S	
PCB 56	D	µg/L	6	0	1.03E-06			
PCB 56	T	µg/L	80	20	7.67E-06	4.81E-04	MW-18S	
PCB 57	D	µg/L	7	0	1.07E-06			
PCB 57	T	µg/L	81	1	1.09E-06	1.07E-06	MW-21D	
PCB 6	D	µg/L	7	0	1.14E-06			
PCB 6	T	µg/L	80	15	6.68E-06	1.59E-04	MW-18S	
PCB 60	D	µg/L	7	0	9.80E-07			
PCB 60	T	µg/L	81	5	3.17E-06	1.73E-04	MW-18S	
PCB 63	D	µg/L	7	0	9.05E-07			
PCB 63	T	µg/L	81	2	1.42E-06	3.72E-05	MW-18S	
PCB 64	D	µg/L	4	0	6.58E-07			
PCB 64	T	µg/L	62	21	7.21E-06	3.19E-04	MW-18S	
PCB 66	D	µg/L	4	0	8.53E-07			
PCB 66	T	µg/L	66	32	1.86E-05	1.03E-03	MW-18S	
PCB 67	D	µg/L	7	0	8.99E-07			
PCB 67	T	µg/L	81	2	1.33E-06	3.15E-05	MW-18S	
PCB 68	D	µg/L	7	0	9.38E-07			
PCB 68	T	µg/L	81	9	2.58E-06	2.74E-05	MW-23	
PCB 7	D	µg/L	7	0	1.05E-06			
PCB 7	T	µg/L	78	8	3.93E-06	2.26E-05	MW-18S	
PCB 72	D	µg/L	7	0	1.13E-06			
PCB 72	T	µg/L	81	1	1.15E-06	1.58E-05	MW-18S	
PCB 77	D	µg/L	7	0	1.22E-06			
PCB 77	T	µg/L	149	15	4.89E-06	1.08E-04	MW-18S	
PCB 8	D	µg/L	2	0	1.38E-06			
PCB 8	T	µg/L	54	30	2.54E-05	7.62E-04	MW-18S	
PCB 82	D	µg/L	7	0	1.07E-06			
PCB 82	T	µg/L	80	1	4.58E-06	2.57E-04	MW-18S	
PCB 83	D	µg/L	7	0	1.06E-06			
PCB 83	T	µg/L	81	2	3.01E-06	1.31E-04	MW-18S	
PCB 84	D	µg/L	7	0	1.03E-06			
PCB 84	T	µg/L	67	10	9.63E-06	5.01E-04	MW-18S	
PCB 88	D	µg/L	7	0	1.05E-06			
PCB 88	T	µg/L	81	2	1.52E-06	4.32E-06	MW-22D	
PCB 9	D	µg/L	7	0	1.12E-06			
PCB 9	T	µg/L	81	15	4.55E-06	4.34E-05	MW-18S	
PCB 91	D	µg/L	7	0	8.46E-07			
PCB 91	T	µg/L	76	4	3.54E-06	1.81E-04	MW-18S	
PCB 92	D	µg/L	7	0	1.04E-06			
PCB 92	T	µg/L	70	10	8.14E-06	4.21E-04	MW-18S	

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
PCB 95	D	µg/L	3	0	8.58E-07			
PCB 95	T	µg/L	36	28	4.78E-05	1.38E-03	MW-18S	
PCB 96	D	µg/L	7	0	7.36E-07			
PCB 96	T	µg/L	81	1	1.02E-06	1.36E-05	MW-18S	
PCB 99	D	µg/L	7	0	8.26E-07			
PCB 99	T	µg/L	53	12	1.80E-05	8.31E-04	MW-18S	
PCB-106/118	T	µg/L	80	20	1.48E-05	1.32E-04	MW-06	
PCB-107/124	D	µg/L	7	0	8.13E-07			
PCB-107/124	T	µg/L	81	1	1.86E-06	7.61E-05	MW-18S	
PCB-108/119/86/97/125/87	D	µg/L	7	0	8.39E-07			
PCB-108/119/86/97/125/87	T	µg/L	60	19	2.73E-05	1.36E-03	MW-18S	
PCB-113/90/101	D	µg/L	2	0	7.43E-07			
PCB-113/90/101	T	µg/L	33	28	6.95E-05	1.95E-03	MW-18S	
PCB-116/85	D	µg/L	7	0	8.40E-07			
PCB-116/85	T	µg/L	81	3	4.70E-06	2.89E-04	MW-18S	
PCB-128/166	D	µg/L	7	0	9.49E-07			
PCB-128/166	T	µg/L	72	7	1.35E-05	7.73E-04	MW-18S	
PCB-13/12	D	µg/L	7	0	1.19E-06			
PCB-13/12	T	µg/L	81	3	4.41E-06	2.39E-05	MW-20S	
PCB-139/140	D	µg/L	7	0	7.74E-07			
PCB-139/140	T	µg/L	81	2	1.63E-06	5.02E-05	MW-18S	
PCB-147/149	D	µg/L	6	0	7.52E-07			
PCB-147/149	T	µg/L	38	20	6.69E-05	1.96E-03	MW-18S	
PCB-151/135	D	µg/L	7	0	8.14E-07			
PCB-151/135	T	µg/L	62	12	1.82E-05	8.44E-04	MW-18S	
PCB-153/168	D	µg/L	6	0	6.27E-07			
PCB-153/168	T	µg/L	36	20	1.02E-04	2.34E-03	MW-18S	
PCB-156/157	D	µg/L	7	0	9.94E-07			
PCB-156/157	T	µg/L	72	3	1.48E-05	7.07E-04	MW-18S	
PCB-163/138/129	D	µg/L	6	0	7.83E-07			
PCB-163/138/129	T	µg/L	32	17	1.62E-04	3.51E-03	MW-18S	
PCB-171/173	D	µg/L	7	0	8.56E-07			
PCB-171/173	T	µg/L	81	3	1.13E-05	5.38E-04	MW-22S	
PCB-180/193	D	µg/L	7	1	9.10E-07	2.14E-06	MW-02	
PCB-180/193	T	µg/L	65	17	1.42E-04	7.16E-03	MW-22S	
PCB-198/199	D	µg/L	7	0	9.29E-07			
PCB-198/199	T	µg/L	78	9	5.08E-05	2.30E-03	MW-22S	
PCB-21/33	D	µg/L	2	0	1.00E-06			
PCB-21/33	T	µg/L	54	25	1.55E-05	6.26E-04	MW-18S	
PCB-26/29	D	µg/L	7	0	9.61E-07			
PCB-26/29	T	µg/L	80	12	4.36E-06	2.05E-04	MW-18S	
PCB-28/20	D	µg/L	1	0	1.03E-06			
PCB-28/20	T	µg/L	20	13	7.79E-05	1.34E-03	MW-18S	
PCB-30/18	T	µg/L	32	29	6.76E-05	1.44E-03	MW-18S	
PCB-44/47/65	D	µg/L	1	0	1.17E-06			
PCB-44/47/65	T	µg/L	32	28	4.33E-05	9.70E-04	MW-18S	
PCB-50/53	D	µg/L	7	0	1.07E-06			
PCB-50/53	T	µg/L	80	13	3.34E-06	1.32E-04	MW-18S	
PCB-59/62/75	D	µg/L	7	0	8.04E-07			
PCB-59/62/75	T	µg/L	81	4	1.92E-06	7.90E-05	MW-18S	
PCB-61/70/74/76	T	µg/L	44	32	5.07E-05	1.89E-03	MW-18S	
PCB-69/49	T	µg/L	39	26	2.03E-05	5.92E-04	MW-18S	
PCB-71/40	T	µg/L	77	25	7.27E-06	3.79E-04	MW-18S	
DIOXIN TEQ*	T	µg/L				2.31E-05		9.12E-05
TOTAL DECACHLOROBIPHENYLS	T	µg/L	80	1	1.63E-05	5.24E-05	MW-03	
TOTAL DICHLOROBIPHENYLS	T	µg/L	97	18	8.33E-05	2.39E-03	MW-18S	
TOTAL HEPTACHLOROBIPHENYLS	D	µg/L	7	1	1.06E-06	2.14E-06	MW-02	
TOTAL HEPTACHLOROBIPHENYLS	T	µg/L	145	20	1.88E-04	1.81E-02	MW-22S	
TOTAL HEXACHLOROBIPHENYLS	T	µg/L	115	28	1.87E-04	1.42E-02	MW-18S	
TOTAL MONOCHLOROBIPHENYLS	T	µg/L	150	33	2.17E-05	2.87E-04	MW-18S	
TOTAL NONACHLOROBIPHENYLS	T	µg/L	161	15	1.36E-04	1.86E-02	MW-18S	
TOTAL OCTACHLOROBIPHENYLS	T	µg/L	157	15	1.02E-04	1.02E-02	MW-22S	

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
Risk Analysis  
DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
TOTAL PCB (CONGENERS)	T	µg/L	18	18	2.38E-03	7.32E-03	MW-01	4.12E+02
TOTAL PENTACHLOROBIPHENYLS	T	µg/L	104	42	1.98E-04	1.33E-02	MW-18S	
TOTAL TETRACHLOROBIPHENYLS	T	µg/L	93	46	3.75E-04	8.28E-03	MW-18S	
TOTAL TRICHLOROBIPHENYLS	T	µg/L	87	36	2.81E-04	7.56E-03	MW-18S	
ALUMINUM	D	µg/L	73	32	1.08E+04	1.76E+05	MW-02	2.56E+06
ALUMINUM	T	µg/L	71	70	1.27E+04	1.85E+05	MW-02	
ANTIMONY	D	µg/L	60	4	9.79E+00	3.49E+01	MW-3	8.82E+05
ANTIMONY	T	µg/L	172	5	7.78E+00	5.01E+01	MW-3	
ARSENIC	D	µg/L	60	18	1.48E+01	3.62E+02	MW-02	5.59E+06
ARSENIC	T	µg/L	169	38	1.88E+01	3.43E+02	MW-02	
BARIIUM	D	µg/L	73	73	2.77E+02	3.99E+03	MW-02	1.18E+05
BARIIUM	T	µg/L	73	73	3.17E+02	4.20E+03	MW-02	
BERYLLIUM	D	µg/L	71	27	2.38E+01	3.67E+02	MW-02	1.94E+04
BERYLLIUM	T	µg/L	71	31	2.40E+01	3.83E+02	MW-02	
CADMIUM	D	µg/L	72	18	2.78E+00	2.37E+01	MW-2	2.65E+04
CADMIUM	T	µg/L	72	19	3.04E+00	2.46E+01	MW-02	
CALCIUM	D	µg/L	53	53	1.59E+05	8.76E+05	MW-02	
CALCIUM	T	µg/L	53	53	1.63E+05	9.10E+05	MW-02	
CHROMIUM	D	µg/L	49	7	3.62E+00	2.63E+01	MW-01	4.76E+06
CHROMIUM	T	µg/L	45	27	1.54E+01	1.57E+02	MW-18S	
COBALT	D	µg/L	71	50	3.10E+02	4.21E+03	MW-02	6.76E+05
COBALT	T	µg/L	72	56	3.16E+02	4.38E+03	MW-02	
COPPER	D	µg/L	66	24	6.21E+03	1.23E+05	MW-20S	2.68E+05
COPPER	T	µg/L	61	40	6.32E+03	1.36E+05	MW-20S	
FERROUS IRON	T	µg/L	45	45	1.77E+05	8.31E+05	MW-03	
IRON	D	µg/L	73	69	1.17E+05	8.56E+05	MW-3	2.94E+07
IRON	T	µg/L	115	114	1.59E+05	8.38E+05	MW-3	
LEAD	D	µg/L	53	38	7.59E+00	5.43E+01	MW-20S	4.71E+05
LEAD	T	µg/L	77	61	1.10E+01	1.46E+02	MW-18S	
MAGNESIUM	D	µg/L	53	53	5.49E+04	2.91E+05	MW-02	
MAGNESIUM	T	µg/L	53	53	5.59E+04	3.04E+05	MW-02	
MANGANESE	D	µg/L	77	77	1.38E+04	1.59E+05	MW-02	3.38E+07
MANGANESE	T	µg/L	189	189	2.07E+04	1.79E+05	MW-02	
MERCURY	D	µg/L	55	6	5.23E-02	4.90E-01	MW-02	3.53E+02
MERCURY	T	µg/L	54	10	1.90E-01	4.40E+00	MW-3	
NICKEL	D	µg/L	70	52	1.88E+02	1.75E+03	MW-02	3.59E+06
NICKEL	T	µg/L	70	60	1.98E+02	1.82E+03	MW-02	
POTASSIUM	D	µg/L	53	53	1.82E+04	2.30E+05	MW-18S	
POTASSIUM	T	µg/L	53	53	1.62E+04	1.77E+05	MW-18S	
SELENIUM	D	µg/L	53	6	1.01E+01	6.60E+01	MW-03	1.47E+05
SELENIUM	T	µg/L	53	7	1.04E+01	6.80E+01	MW-03	
SILVER	D	µg/L	53	11	3.35E+00	3.69E+01	MW-02	2.65E+05
SILVER	T	µg/L	53	12	3.57E+00	3.99E+01	MW-02	
SODIUM	D	µg/L	53	53	1.06E+05	4.35E+05	MW-22D	
SODIUM	T	µg/L	53	53	1.09E+05	5.37E+05	MW-22D	
THALLIUM	D	µg/L	60	23	2.60E+01	1.05E+03	MW-2	1.18E+06
THALLIUM	T	µg/L	170	41	1.18E+01	3.06E+02	MW-02	
TITANIUM	D	µg/L	53	4	3.20E+00	1.66E+01	MW-18S	
TITANIUM	T	µg/L	52	44	7.32E+01	1.07E+03	MW-18S	
VANADIUM	D	µg/L	53	16	1.30E+01	1.66E+02	MW-20S	5.88E+05
VANADIUM	T	µg/L	53	45	2.41E+01	1.87E+02	MW-20S	
ZINC	D	µg/L	69	47	5.12E+02	5.43E+03	MW-02	2.41E+06
ZINC	T	µg/L	70	56	5.36E+02	5.66E+03	MW-02	
ALKALINITY, BICARB. AS CaCO3 AT PH	T	µg/L	53	41	7.03E+04	8.89E+05	MW-18S	
AMMONIA	T	µg/L	51	24	2.11E+03	1.21E+04	MW-18S	
CHLORIDE	T	µg/L	52	52	8.41E+05	6.51E+06	MW-02	
CYANIDE	T	µg/L	53	1	3.11E+00	3.50E+01	MW-01	1.53E+05
FERRIC IRON	T	µg/L	52	28	1.17E+04	1.59E+05	MW-20S	
NITRATE	T	µg/L	52	9	2.05E+02	2.70E+03	MW-19S	
NITRITE	T	µg/L	52	29	9.93E+01	1.70E+03	MW-3	
PHOSPHORUS	T	µg/L	53	2	1.41E+02	5.80E+02	MW-18S	
SILICA	T	µg/L	52	52	3.35E+04	8.05E+04	MW-22D	

**Table 5-4**  
**Risk-Based Comparison for Ecological Receptors**  
**Groundwater in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	FILTERED	UNITS	Number of Samples	Number Detected	Average	Maximum Detection	Maximum Location	Site-Specific Screening Levels (mg/L)
								DF=29,412
SULFATE	T	µg/L	52	37	2.07E+05	1.57E+06	MW-05	
SULFIDE	T	µg/L	53	7	3.90E+01	2.00E+02	MW-04	
TOTAL DISSOLVED SOLIDS	T	µg/L	28	28	2.15E+06	9.67E+06	MW-02	
TOTAL HARDNESS AS CaCO3	T	µg/L	19	19	7.40E+05	3.10E+06	MW-02	
TOTAL ORGANIC CARBON	T	µg/L	82	58	2.22E+03	2.63E+04	MW-18S	
TOTAL SUSPENDED SOLIDS	T	µg/L	109	101	9.07E+04	1.16E+06	MW-03	
DISSOLVED OXYGEN (FIELD)	T	µg/L	178	178	4.66E+02	1.24E+04	MW-02	
HPCDFS	T	µg/L	128	14	3.92E-06	3.50E-04	MW-18S	
TOTAL HPCDDS	T	µg/L	83	36	1.26E-05	1.83E-04	MW-02	

DF - dilution factor

**Table 8-1**  
**Cancer Risk and Non-Cancer Hazard Characterization Summary**  
**Industrial and Excavation Worker Scenarios**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMU	Worker Type	Media	HQ			Total HI	Hazard Drivers	Risk			Total Risk	Risk Drivers
			Ingestion	Inhalation Particulates	Dermal			Ingestion	Inhalation Particulates	Dermal		
1 & 3	Industrial	Soil	-	-	-	-		2.9E-05	8.1E-10	2.5E-05	<b>5.E-05</b>	benzo(a)pyrene
	Industrial (CT*)	Soil	-	-	-	-		2.4E-06	6.8E-11	2.0E-06	<b>4.E-06</b>	
	Construction	Soil	0.959	-	-	<b>0.96</b>		5.2E-07	4.5E-12	1.4E-07	<b>7.E-07</b>	
4	Industrial	Soil	-	-	-	-		1.0E-06	2.8E-11	8.8E-07	<b>2.E-06</b>	
	Construction	Soil	-	-	-	<b>0.01</b>		2.1E-08	1.8E-13	5.6E-09	<b>3.E-08</b>	
Groundwater		0.009	-	0.005			-	-	-			
5	Industrial	Soil	-	-	-	-		4.3E-06	1.6E-10	3.8E-06	<b>8.E-06</b>	
	Construction	Soil	0.10	-	0.021	<b>0.1</b>		2.3E-06	3.4E-11	4.8E-07	<b>3.E-06</b>	
18	Industrial	Soil	-	-	-	-		5.9E-07	1.6E-11	5.0E-07	<b>1.E-06</b>	
	Construction	Soil	-	-	-	<b>0.01</b>		1.9E-08	1.6E-13	4.8E-09	<b>2.E-08</b>	
		Groundwater	0.009	-	0.005			-	-	-		
20	Construction	Soil	0.0005	-	0.00009	<b>0.0006</b>		-	-	-	-	
23	Construction	Soil	0.035	0.000039	0.0021	<b>0.05</b>		2.4E-07	3.6E-11	1.9E-08	<b>3.E-07</b>	
		Groundwater	0.009	-	0.005			-	-	-		
27	Construction	Soil	-	-	-	-		2.4E-08	2.0E-13	6.3E-09	<b>3.E-08</b>	

SWMU	Worker Type	COPC	PbB of adult worker, geometric mean (ug/dL)
5	Construction	Lead	1.5-2

CT Central Tendency

\* CT was calculated for the industrial worker scenario because the total risk exceeded the target risk level of 1E-05 under the reasonable maximum exposure.



# APPENDIX A DATA SUMMARY TABLES



**Table A-1**  
**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
					6/14/05	7/22/05	8/24/05	9/21/05	10/11/05	11/14/05	12/19/05	1/19/06
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L								
ACETONE	UG/L	T	12000	UG/L								
BENZENE	UG/L	T	5	UG/L								
CHLOROFORM	UG/L	T	80	UG/L								
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L								
TETRACHLOROETHYLENE	UG/L	T	5	UG/L								
TRICHLOROETHENE	UG/L	T	5	UG/L								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L								
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L								
FLUORANTHENE	UG/L	T	630	UG/L								
<b>NAPHTHALENE</b>	UG/L	T	0.14	UG/L								
1,2,3,4,6,7,8-HPCDD	UG/L	D										
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.00000228)	ND (0.0000012)	ND (0.00000187)	ND (0.00000111)	ND (0.00000162)	ND (0.00000079)	0.00000276	ND (0.00000129)
1,2,3,4,6,7,8-HPCDF	UG/L	D										
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.000000654)	ND (0.000000752)	ND (0.000000612)	ND (0.000000445)	ND (0.00000089)	ND (0.000000701)	ND (0.000000996)	ND (0.00000086)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.000000815)	ND (0.000000879)	ND (0.00000085)	ND (0.000000502)	ND (0.000000939)	ND (0.000000778)	ND (0.000000574)	ND (0.000000824)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000267)	ND (0.000000369)	ND (0.000000308)	ND (0.000000308)	ND (0.000000316)	ND (0.000000331)	ND (0.000000598)	ND (0.000000315)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000331)	ND (0.000000435)	ND (0.00000035)	ND (0.000000325)	ND (0.000000342)	ND (0.000000344)	ND (0.000000676)	ND (0.000000335)
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000912)	ND (0.000000812)	ND (0.000000526)	ND (0.000000642)	ND (0.00000084)	ND (0.00000163)	ND (0.00000108)	ND (0.000000893)
2,3,7,8-TCDF	UG/L	T			ND (0.00000119)	ND (0.000000768)	ND (0.000000732)	ND (0.000000356)	ND (0.000000928)	ND (0.00000163)	ND (0.000000711)	ND (0.000000767)
HPCDD	UG/L	D										
HPCDD	UG/L	T										
HXCDD	UG/L	T			ND (0.00000108)	ND (0.00000133)	ND (0.00000162)	ND (0.000000733)	ND (0.00000135)	ND (0.000000937)	ND (0.000000802)	ND (0.00000122)
HXCDFS	UG/L	T			ND (0.000000343)	ND (0.000000456)	ND (0.000000364)	ND (0.000000358)	ND (0.000000379)	ND (0.000000383)	ND (0.000000724)	ND (0.000000355)
OCDD	UG/L	D										
OCDD	UG/L	T			0.00000657 B	ND (0.00000235)	ND (0.00000619)	0.00000583 B	ND (0.00000555)	ND (0.00000207)	0.00000202 B	0.00000723 B
OCDF	UG/L	T			ND (0.00000237)	ND (0.00000156)	ND (0.00000448)	0.00000189	ND (0.00000249)	ND (0.00000293)	0.00000128	0.00000946
TCDD	UG/L	T			0.00000224	ND (0.0000019)	0.00000325	0.0000015	0.00000314	ND (0.0000016)	0.00000588	0.00000201
TCDFS	UG/L	T			ND (0.00000119)	ND (0.000000768)	ND (0.000000732)	ND (0.000000356)	ND (0.000000928)	ND (0.00000163)	ND (0.000000711)	ND (0.000000767)
TOTAL HPCDD	UG/L	T										
TOTAL HPCDF	UG/L	T										
TOTAL HXCDD	UG/L	T										
TOTAL PECDD	UG/L	T										
TOTAL PECDDS	UG/L	T			ND (0.000000714)	ND (0.000000623)	ND (0.000000871)	ND (0.000000662)	ND (0.000000868)	ND (0.000000569)	ND (0.000000831)	ND (0.00000109)
TOTAL PECDF	UG/L	T										
PCB 1	UG/L	D										
PCB 1	UG/L	T										
PCB 10	UG/L	T										
PCB 105	UG/L	D	0.017	UG/L								
PCB 105	UG/L	T	0.017	UG/L	ND (0.0000121)	0.00000683 B	ND (0.00000937)	ND (0.0000124)	ND (0.0000118)	0.0000263 B	ND (0.0000126)	ND (0.0000101)
PCB 109	UG/L	D										
PCB 109	UG/L	T										
PCB 11	UG/L	T										
PCB 110	UG/L	T										
PCB 117	UG/L	T										
PCB 118	UG/L	T	0.017	UG/L								
PCB 130	UG/L	D										
PCB 130	UG/L	T										
PCB 132	UG/L	D										
PCB 132	UG/L	T										
PCB 134	UG/L	T										
PCB 136	UG/L	T										
PCB 137	UG/L	D										
PCB 137	UG/L	T										

FED\_MCL and EPA\_SL\_Tapwater 05/12 when MCL is not available  
 < and ND = Non detect at stated reporting limit

**Table A-1**  
**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
					6/14/05	7/22/05	8/24/05	9/21/05	10/11/05	11/14/05	12/19/05	1/19/06
PCB 141	UG/L	D										
PCB 141	UG/L	T										
PCB 146	UG/L	D										
PCB 146	UG/L	T										
PCB 15	UG/L	D										
PCB 15	UG/L	T										
PCB 156	UG/L	T	0.017	UG/L	ND (0.00000601)	ND (0.00000195)	ND (0.00000273)	ND (0.00000274)	ND (0.00000299)	ND (0.00000417)	ND (0.00000556)	ND (0.00000532)
PCB 157	UG/L	T	0.017	UG/L	ND (0.00000592)	ND (0.0000021)	ND (0.00000291)	ND (0.0000028)	ND (0.00000319)	ND (0.00000435)	ND (0.00000586)	ND (0.00000553)
PCB 158	UG/L	D										
PCB 158	UG/L	T										
PCB 16	UG/L	T										
PCB 162	UG/L	T										
PCB 164	UG/L	D										
PCB 164	UG/L	T										
PCB 167	UG/L	D	0.017	UG/L								
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000592)	ND (0.00000203)	ND (0.0000026)	ND (0.0000025)	ND (0.00000345)	ND (0.00000429)	ND (0.00000572)	ND (0.00000522)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000762)	0.00000418 B	ND (0.00000259)	ND (0.00000329)	ND (0.00000356)	ND (0.00000626)	ND (0.00000862)	ND (0.00000733)
PCB 17	UG/L	T										
PCB 170	UG/L	D										
PCB 170	UG/L	T										
PCB 172	UG/L	D										
PCB 174	UG/L	D										
PCB 174	UG/L	T										
PCB 177	UG/L	D										
PCB 177	UG/L	T										
PCB 178	UG/L	D										
PCB 179	UG/L	T										
PCB 183	UG/L	D										
PCB 183	UG/L	T										
PCB 185	UG/L	D										
PCB 187	UG/L	T										
PCB 189	UG/L	T	0.017	UG/L	ND (0.0000021)	ND (0.000000906)	ND (0.00000156)	ND (0.00000193)	ND (0.00000207)	ND (0.00000302)	ND (0.00000158)	ND (0.00000241)
PCB 19	UG/L	T										
PCB 190	UG/L	D										
PCB 194	UG/L	D										
PCB 194	UG/L	T										
PCB 195	UG/L	D										
PCB 196	UG/L	D										
PCB 196	UG/L	T										
PCB 2	UG/L	D										
PCB 2	UG/L	T										
PCB 202	UG/L	D										
PCB 202	UG/L	T										
PCB 203	UG/L	D										
PCB 203	UG/L	T										
PCB 206	UG/L	D										
PCB 206	UG/L	T										
PCB 207	UG/L	D										
PCB 208	UG/L	D										
PCB 208	UG/L	T										
PCB 209	UG/L	D										
PCB 209	UG/L	T										
PCB 22	UG/L	T										
PCB 25	UG/L	T										

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**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	
					6/14/05	7/22/05	8/24/05	9/21/05	10/11/05	11/14/05	12/19/05	1/19/06
PCB 3	UG/L	D										
PCB 3	UG/L	T										
PCB 31	UG/L	T										
PCB 32	UG/L	T										
PCB 37	UG/L	T										
PCB 4	UG/L	D										
PCB 4	UG/L	T										
PCB 41	UG/L	T										
PCB 42	UG/L	T										
PCB 45	UG/L	T										
PCB 48	UG/L	T										
PCB 51	UG/L	T										
PCB 52	UG/L	T										
PCB 56	UG/L	T										
PCB 6	UG/L	D										
PCB 6	UG/L	T										
PCB 60	UG/L	T										
PCB 64	UG/L	T										
PCB 66	UG/L	T										
PCB 68	UG/L	T										
PCB 7	UG/L	T										
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000687)	0.00000479 B	0.0000023 B	0.00000293 B	ND (0.00000306)	0.00000665 B	ND (0.000006)	0.00000632 B
PCB 8	UG/L	T										
PCB 82	UG/L	T										
PCB 84	UG/L	T										
PCB 9	UG/L	T										
PCB 91	UG/L	T										
PCB 92	UG/L	T										
PCB 95	UG/L	T										
PCB 99	UG/L	T										
PCB-106/118	UG/L	T			ND (0.0000409)	0.0000107 B	ND (0.00000999)	ND (0.0000118)	ND (0.0000144)	0.0000385 B	ND (0.0000114)	ND (0.0000128)
PCB-108/119/86/97/125/87	UG/L	T										
PCB-113/90/101	UG/L	T										
PCB-116/85	UG/L	D										
PCB-116/85	UG/L	T										
PCB-128/166	UG/L	D										
PCB-128/166	UG/L	T										
PCB-147/149	UG/L	T										
PCB-151/135	UG/L	T										
PCB-153/168	UG/L	D										
PCB-153/168	UG/L	T										
PCB-156/157	UG/L	D										
PCB-156/157	UG/L	T										
PCB-163/138/129	UG/L	D										
PCB-163/138/129	UG/L	T										
PCB-171/173	UG/L	D										
PCB-180/193	UG/L	D										
PCB-180/193	UG/L	T										
PCB-198/199	UG/L	D										
PCB-198/199	UG/L	T										
PCB-21/33	UG/L	T										
PCB-26/29	UG/L	T										
PCB-28/20	UG/L	T										
PCB-30/18	UG/L	T										

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**Table A-1**  
**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
					6/14/05	7/22/05	8/24/05	9/21/05	10/11/05	11/14/05	12/19/05	1/19/06
PCB-44/47/65	UG/L	T										
PCB-50/53	UG/L	T										
PCB-59/62/75	UG/L	T										
PCB-61/70/74/76	UG/L	T										
PCB-69/49	UG/L	T										
PCB-71/40	UG/L	T										
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000569	0.00023	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	ND (0.000025)	ND (0.0000265)	ND (0.0000245)
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000512)	ND (0.0000482)	ND (0.0000492)	ND (0.0000512)	ND (0.0000503)	ND (0.00005)	ND (0.000053)	ND (0.0000491)
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000512)	ND (0.0000482)	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	ND (0.000025)	ND (0.0000265)	ND (0.0000245)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000512)	ND (0.0000482)	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	ND (0.000025)	ND (0.0000265)	ND (0.0000245)
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000241)	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	ND (0.000025)	ND (0.0000265)	ND (0.0000245)
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000512)	ND (0.0000482)	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	ND (0.000025)	ND (0.0000265)	ND (0.0000245)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000512)	ND (0.0000482)	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	ND (0.000025)	ND (0.0000265)	ND (0.0000245)
TOTAL PCB (CONGENERS)	UG/L	T			0.000583	0.000539 B	0.0000023 B	0.00000293 B		0.000949 B		0.00000632 B
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000512)	ND (0.0000482)	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	0.000294 B	ND (0.0000265)	ND (0.0000245)
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000282	0.000231 B	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	0.000536 B	ND (0.0000265)	ND (0.0000245)
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000244	0.0000556 B	ND (0.0000246)	ND (0.0000256)	ND (0.0000251)	0.000119 B	ND (0.0000265)	ND (0.0000245)
ALUMINUM	UG/L	D	16000	UG/L								
ALUMINUM	UG/L	T	16000	UG/L								
ANTIMONY	UG/L	D	6	UG/L								
ARSENIC	UG/L	D	10	UG/L								
ARSENIC	UG/L	T	10	UG/L	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
BARIUM	UG/L	D	2000	UG/L								
BARIUM	UG/L	T	2000	UG/L								
BERYLLIUM	UG/L	T	4	UG/L								
CADMIUM	UG/L	D	5	UG/L								
CADMIUM	UG/L	T	5	UG/L								
CALCIUM	UG/L	D										
CALCIUM	UG/L	T										
CHROMIUM	UG/L	D	100	UG/L								
CHROMIUM	UG/L	T	100	UG/L								
COBALT	UG/L	D	4.7	UG/L								
COBALT	UG/L	T	4.7	UG/L								
COPPER	UG/L	D	1300	UG/L								
COPPER	UG/L	T	1300	UG/L								
FERROUS IRON	UG/L	T										
IRON	UG/L	D	11000	UG/L								
IRON	UG/L	T	11000	UG/L						9960		7260 J
LEAD	UG/L	D	15	UG/L								
LEAD	UG/L	T	15	UG/L	ND (8.4)			ND (8.4)				
MAGNESIUM	UG/L	D										
MAGNESIUM	UG/L	T										
MANGANESE	UG/L	D	320	UG/L								
MANGANESE	UG/L	T	320	UG/L	201	162	162	183	162	149	156	163
MERCURY	UG/L	D	2	UG/L								
MERCURY	UG/L	T	2	UG/L								
NICKEL	UG/L	D	300	UG/L								
NICKEL	UG/L	T	300	UG/L								
POTASSIUM	UG/L	D										
POTASSIUM	UG/L	T										

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
					6/14/05	7/22/05	8/24/05	9/21/05	10/11/05	11/14/05	12/19/05	1/19/06
SELENIUM	UG/L	T	50	UG/L								
SILVER	UG/L	D	71	UG/L								
SODIUM	UG/L	D										
SODIUM	UG/L	T										
THALLIUM	UG/L	D	2	UG/L								
THALLIUM	UG/L	T	2	UG/L	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)
TITANIUM	UG/L	D										
TITANIUM	UG/L	T										
VANADIUM	UG/L	D										
VANADIUM	UG/L	T										
ZINC	UG/L	D	4700	UG/L								
ZINC	UG/L	T	4700	UG/L								
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T										
AMMONIA	UG/L	T										
CHLORIDE	UG/L	T										
CYANIDE	UG/L	T	200	UG/L								
FERRIC IRON	UG/L	T										
NITRATE	UG/L	T	10000	UG/L								
NITRITE	UG/L	T	1000	UG/L								
PHOSPHORUS	UG/L	T										
SILICA	UG/L	T										
SULFATE	UG/L	T										
TOTAL DISSOLVED SOLIDS	UG/L	T										
TOTAL HARDNESS AS CaCO3	UG/L	T										
TOTAL ORGANIC CARBON	UG/L	T									940 B	1500 B
TOTAL SUSPENDED SOLIDS	UG/L	T									82800	60000
COLOR QUALITATIVE (FIELD)	NS	T			lt tan	clear	lt tan	brown	tan	brown	clr	brown
DISSOLVED OXYGEN (FIELD)	UG/L	T			600	570	210	0	0	0	0	70
ODOR (FIELD)	NS	T			none	none	none none none none	none none				
OVABZONE	PPM	T			NR	NR		NR	NR	NR	NR	NR
OVACASING	PPM	T			NR	NR		NR	NR	NR	NR	NR
REDOX (FIELD)	MV	T				N/A	NR		NR	NR		NR
TOTAL WELL DEPTH	Feet	T										
TURBIDITY QUANTITATIVE (FIELD)	NTU	T			low							
HPCDFS	UG/L	D										
HPCDFS	UG/L	T			ND (0.000000725)	ND (0.000000807)	ND (0.000000721)	ND (0.00000047)	ND (0.00000091)	ND (0.000000734)	ND (0.00000304)	ND (0.000000842)
TOTAL HPCDDS	UG/L	T			ND (0.00000228)	ND (0.0000012)	ND (0.00000187)	ND (0.00000111)	ND (0.00000162)	ND (0.00000079)	0.00000536	ND (0.00000129)

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 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
					2/15/06	3/21/06	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/29/09	10/21/09
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
ACETONE	UG/L	T	12000	UG/L						ND (6)	ND (6)	ND (6)	ND (6)
BENZENE	UG/L	T	5	UG/L						ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
CHLOROFORM	UG/L	T	80	UG/L						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
TETRACHLOROETHYLENE	UG/L	T	5	UG/L						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
TRICHLOROETHENE	UG/L	T	5	UG/L						ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L						ND (2)	ND (2)	ND (2)	ND (2)
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L						ND (2)	ND (2)	ND (2)	ND (2)
FLUORANTHENE	UG/L	T	630	UG/L						ND (0.9)	ND (1)	ND (0.02)	ND (0.019)
NAPHTHALENE	UG/L	T	0.14	UG/L						^ND (0.9)	^ND (1)	^ND (1)	^ND (0.97)
1,2,3,4,6,7,8-HPCDD	UG/L	D										ND (0.0000233)	
1,2,3,4,6,7,8-HPCDD	UG/L	T			0.00000395	ND (0.00000197)	0.00000406 B	ND (0.0000025)	0.00000252 EMPCJ	ND (0.0000009) U		ND (0.00000125)	
1,2,3,4,6,7,8-HPCDF	UG/L	D										ND (0.000000835)	
1,2,3,4,6,7,8-HPCDF	UG/L	T			0.00000474	ND (0.000000562)	0.000000439	ND (0.00000147)	0.00000035 J	ND (0.0000025) U		ND (0.00000178)	
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.00000122)	ND (0.000000671)	ND (0.000000182)	ND (0.00000133)	ND (0.000000666)	ND (0.00000108) U		ND (0.00000235)	
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.00000126)	ND (0.000000267)	ND (0.000000108)	ND (0.000000939)	ND (0.000000617)	ND (0.000000299) U		ND (0.000000404)	
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.00000146)	ND (0.000000029)	ND (0.000000125)	ND (0.00000113)	ND (0.000000079)	ND (0.00000038) U		ND (0.000000427)	
2,3,4,7,8-PECDF	UG/L	T			ND (0.00000329)	ND (0.000000526)	ND (0.000000153)	ND (0.00000112)	ND (0.00000112)	ND (0.000000917) U		ND (0.000000816)	
2,3,7,8-TCDF	UG/L	T			ND (0.00000177)	ND (0.000000402)	ND (0.000000248)	ND (0.00000207)	ND (0.000000619)	ND (0.000000467) U		ND (0.000000615)	
HPCDDS	UG/L	D										ND (0.00000233)	
HPCDDS	UG/L	T							0.00000345	0.00000123 U*		ND (0.00000125)	
HXCDDS	UG/L	T			ND (0.00000196)	ND (0.000000915)	ND (0.000000286)	ND (0.00000177)	ND (0.00000141)	ND (0.00000121) U		ND (0.00000162)	
HXCDFS	UG/L	T			ND (0.00000153)	ND (0.000000313)	ND (0.000000132)	ND (0.00000116)	ND (0.000000761)	ND (0.000000351) U		ND (0.000000458)	
OCDD	UG/L	D										ND (0.00000457)	
OCDD	UG/L	T			0.0000483	0.00000636	0.00000445 B	0.00000661	0.0000651	ND (0.000005) U		ND (0.00000379)	
OCDF	UG/L	T			0.000102	0.00000429	0.00000536 B	ND (0.00000518)	0.0000719	0.00000835 J		0.00000309 J	
TCDDS	UG/L	T			0.0000724	0.00000052	0.0000000512	ND (0.00000145)	0.00000437	0.00000282 J		ND (0.00000141)	
TCDFS	UG/L	T			ND (0.00000177)	ND (0.000000402)	ND (0.000000248)	ND (0.00000207)	ND (0.000000619)	ND (0.000000467) U		ND (0.000000615)	
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T			ND (0.0000023)	ND (0.000000782)	ND (0.000000229)	ND (0.00000182)	ND (0.00000102)	ND (0.00000131) U		ND (0.00000126)	
TOTAL PECDF	UG/L	T											
PCB 1	UG/L	D										ND (0.0000014)	
PCB 1	UG/L	T							0.00000582 B	ND (0.000000963) U		ND (0.000000587)	
PCB 10	UG/L	T							ND (0.0000033)	ND (0.00000108) U		ND (0.000000459)	
PCB 105	UG/L	D	0.017	UG/L								ND (0.00000145)	
PCB 105	UG/L	T	0.017	UG/L	ND (0.0000153)	ND (0.00000847)	ND (0.00000575)	ND (0.0000145)	0.00000656 B	0.00000335 U*		0.00000193 B	
PCB 109	UG/L	D										ND (0.00000124)	
PCB 109	UG/L	T							0.00000369 B	ND (0.000000782) U		ND (0.000000895)	
PCB 11	UG/L	T							0.0000365 B	0.0000555 U*		0.0000101 B	
PCB 110	UG/L	T							0.0000206 B	0.00000679 U*		0.00000278 B	
PCB 117	UG/L	T							ND (0.00000146)	ND (0.000000948) U		ND (0.00000105)	
PCB 118	UG/L	T	0.017	UG/L					0.0000126 B	0.00000537 U*		0.00000296 B	
PCB 130	UG/L	D										ND (0.00000195)	
PCB 130	UG/L	T							0.00001 B	ND (0.00000131) U		ND (0.00000134)	
PCB 132	UG/L	D										ND (0.00000168)	
PCB 132	UG/L	T							0.00000685 B	0.00000194 U*		ND (0.00000115)	
PCB 134	UG/L	T							ND (0.00000187)	ND (0.00000142) U		ND (0.00000142)	
PCB 136	UG/L	T							ND (0.00000116)	0.00000112 U*		ND (0.000000899)	
PCB 137	UG/L	D										ND (0.00000156)	
PCB 137	UG/L	T							ND (0.00000127)	ND (0.000000916) U		ND (0.000000955)	

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					2/15/06	3/21/06	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/29/09	10/21/09
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	D										ND (0.00000158)	
PCB 141	UG/L	T								ND (0.00000137)		ND (0.00000103) U	ND (0.00000112)
PCB 146	UG/L	D										ND (0.00000147)	
PCB 146	UG/L	T								0.0000147 B		ND (0.00000105) U	ND (0.000000924)
PCB 15	UG/L	D										ND (0.00000221)	
PCB 15	UG/L	T								0.00000413		ND (0.00000181) U	ND (0.000000726)
PCB 156	UG/L	T	0.017	UG/L	ND (0.0000068)	ND (0.00000228)	ND (0.00000326)	ND (0.0000123)					
PCB 157	UG/L	T	0.017	UG/L	ND (0.00000721)	ND (0.00000249)	ND (0.00000463)	ND (0.0000124)					
PCB 158	UG/L	D										ND (0.00000129)	
PCB 158	UG/L	T								ND (0.00000117)		ND (0.000000853) U	ND (0.000000888)
PCB 16	UG/L	T								0.00000446 B		ND (0.00000209) U	ND (0.000000927)
PCB 162	UG/L	T								0.00000232		ND (0.00000107) U	ND (0.00000106)
PCB 164	UG/L	D										ND (0.0000012)	
PCB 164	UG/L	T								0.00000208 B		ND (0.000000767) U	ND (0.000000883)
PCB 167	UG/L	D	0.017	UG/L								ND (0.00000152)	
PCB 167	UG/L	T	0.017	UG/L	ND (0.0000071)	ND (0.00000251)	ND (0.00000351)	ND (0.0000127)		0.00000382 B		ND (0.00000113) U	ND (0.00000121)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000791)	ND (0.00000266)	^ND (0.0000511)	ND (0.0000168)		ND (0.00000174)		ND (0.00000127) U	ND (0.00000128)
PCB 17	UG/L	T								0.0000042 B		ND (0.00000144) U	ND (0.000000824)
PCB 170	UG/L	D										ND (0.00000207)	
PCB 170	UG/L	T								ND (0.00000161)		ND (0.00000137) U	ND (0.00000134)
PCB 172	UG/L	D										ND (0.0000021)	
PCB 174	UG/L	D										ND (0.00000202)	
PCB 174	UG/L	T								ND (0.00000164)		ND (0.00000146) U	ND (0.00000114)
PCB 177	UG/L	D										ND (0.00000217)	
PCB 177	UG/L	T								ND (0.00000172)		ND (0.00000159) U	ND (0.00000119)
PCB 178	UG/L	D										ND (0.0000017)	
PCB 179	UG/L	T								ND (0.00000115)		ND (0.000000901) U	ND (0.000000844)
PCB 183	UG/L	D										ND (0.00000172)	
PCB 183	UG/L	T								ND (0.00000126)		ND (0.00000116) U	ND (0.00000111)
PCB 185	UG/L	D										ND (0.0000021)	
PCB 187	UG/L	T								0.00000361 B		0.00000436 J	ND (0.00000107)
PCB 189	UG/L	T	0.017	UG/L	ND (0.0000029)	ND (0.00000124)	ND (0.00000208)	ND (0.000004)		ND (0.00000148)		ND (0.00000113) U	ND (0.000000944)
PCB 19	UG/L	T								ND (0.00000171)		ND (0.00000169) U	ND (0.000000813)
PCB 190	UG/L	D										ND (0.00000178)	
PCB 194	UG/L	D										ND (0.00000258)	
PCB 194	UG/L	T								0.00000222 B		0.00000201 J	ND (0.00000149)
PCB 195	UG/L	D										ND (0.00000261)	
PCB 196	UG/L	D										ND (0.00000195)	
PCB 196	UG/L	T								ND (0.00000123)		ND (0.00000124) U	ND (0.00000126)
PCB 2	UG/L	D										ND (0.0000012)	
PCB 2	UG/L	T								0.00000567		ND (0.0000011) U	ND (0.000000544)
PCB 202	UG/L	D										ND (0.00000155)	
PCB 202	UG/L	T								ND (0.000000963)		ND (0.0000011) U	ND (0.00000119)
PCB 203	UG/L	D										ND (0.00000195)	
PCB 203	UG/L	T								ND (0.00000132)		ND (0.00000132) U	ND (0.00000111)
PCB 206	UG/L	D										ND (0.00000622)	
PCB 206	UG/L	T								ND (0.00000259)		ND (0.00000367) U	ND (0.00000319)
PCB 207	UG/L	D										ND (0.00000433)	
PCB 208	UG/L	D										ND (0.0000042)	
PCB 208	UG/L	T								ND (0.00000189)		ND (0.00000259) U	ND (0.00000244)
PCB 209	UG/L	D										ND (0.00000292)	
PCB 209	UG/L	T								0.0000511		0.0000087 J	ND (0.00000145)
PCB 22	UG/L	T								0.00000303 B		ND (0.00000186) U	ND (0.000000851)
PCB 25	UG/L	T								ND (0.00000187)		ND (0.00000165) U	ND (0.000000779)

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					2/15/06	3/21/06	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/29/09	10/21/09
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 3	UG/L	D										ND (0.00000125)	
PCB 3	UG/L	T								0.00000759 B	ND (0.00000107) U		ND (0.000000578)
PCB 31	UG/L	T								0.00000727 B	0.0000019 J		0.00000114 B
PCB 32	UG/L	T								0.00000242 B	ND (0.00000104) U		ND (0.000000617)
PCB 37	UG/L	T								0.00000292 B	ND (0.00000196) U		ND (0.000000995)
PCB 4	UG/L	D										0.00000302	
PCB 4	UG/L	T								0.00000686 B	ND (0.00000204) U		ND (0.000000785)
PCB 41	UG/L	T								ND (0.00000161)	ND (0.00000128) U		ND (0.00000157)
PCB 42	UG/L	T								ND (0.00000165)	ND (0.00000147) U		ND (0.00000155)
PCB 45	UG/L	T								ND (0.00000129)	ND (0.00000119) U		ND (0.00000139)
PCB 48	UG/L	T								ND (0.00000131)	ND (0.00000114) U		ND (0.00000133)
PCB 51	UG/L	T								ND (0.00000139)	ND (0.00000122) U		ND (0.00000143)
PCB 52	UG/L	T								0.0000131 B	0.00000871 U*		0.00000189 B
PCB 56	UG/L	T								0.00000352 B	ND (0.00000137) U		ND (0.00000141)
PCB 6	UG/L	D										ND (0.00000197)	
PCB 6	UG/L	T								0.00000341 B	ND (0.00000171) U		ND (0.000000634)
PCB 60	UG/L	T								0.00000248	ND (0.00000121) U		ND (0.00000151)
PCB 64	UG/L	T								0.00000316 B	ND (0.000000773) U		ND (0.000000926)
PCB 66	UG/L	T								0.00000682	0.00000306 J		ND (0.00000137)
PCB 68	UG/L	T								ND (0.00000117)	ND (0.00000122) U		ND (0.00000131)
PCB 7	UG/L	T								ND (0.00000345)	ND (0.00000151) U		ND (0.000000679)
PCB 77	UG/L	T	0.0052	UG/L	0.00000965	ND (0.00000573)	ND (0.0000511)	ND (0.0000115)	ND (0.00000153)	ND (0.00000144) U			ND (0.00000167)
PCB 8	UG/L	T								0.00000929 B	0.00000254 J		0.00000124 B
PCB 82	UG/L	T								ND (0.0000022)	ND (0.00000149) U		ND (0.00000129)
PCB 84	UG/L	T								ND (0.00000179)	ND (0.00000124) U		ND (0.00000128)
PCB 9	UG/L	T								ND (0.0000038)	0.00000311 J		ND (0.000000602)
PCB 91	UG/L	T								ND (0.00000141)	ND (0.000000872) U		ND (0.000000984)
PCB 92	UG/L	T								0.00000383	ND (0.0000013) U		ND (0.00000126)
PCB 95	UG/L	T								0.00000772 B	0.00000576 U*		0.00000229 B
PCB 99	UG/L	T								0.00000704	ND (0.00000108) U		ND (0.000000968)
PCB-106/118	UG/L	T			0.0000445	ND (0.0000105)	ND (0.0000511)	ND (0.0000215)					
PCB-108/119/86/97/125/87	UG/L	T							0.00001	0.00000593 U*			ND (0.00000105)
PCB-113/90/101	UG/L	T							0.0000124 B	0.00000802 U*			0.00000272 B
PCB-116/85	UG/L	D										ND (0.00000161)	
PCB-116/85	UG/L	T								ND (0.00000151)	ND (0.00000102) U		ND (0.000001)
PCB-128/166	UG/L	D										ND (0.00000194)	
PCB-128/166	UG/L	T								0.00000271	ND (0.00000124) U		ND (0.00000131)
PCB-147/149	UG/L	T								0.0000121 B	0.00000475 U*		0.00000307 B
PCB-151/135	UG/L	T								0.00001 B	ND (0.00000111) U		ND (0.00000112)
PCB-153/168	UG/L	D										ND (0.00000125)	
PCB-153/168	UG/L	T								0.0000151 B	0.00000378 U*		0.00000309 B
PCB-156/157	UG/L	D										ND (0.00000216)	
PCB-156/157	UG/L	T								0.00000311 EMPCJ	ND (0.00000149) U		ND (0.00000152)
PCB-163/138/129	UG/L	D										ND (0.00000156)	
PCB-163/138/129	UG/L	T								0.0000182 B	0.00000649 U*		0.0000037 B
PCB-171/173	UG/L	D										ND (0.00000214)	
PCB-180/193	UG/L	D										ND (0.00000173)	
PCB-180/193	UG/L	T								0.00000568 B	0.00000232 J		0.00000185 B
PCB-198/199	UG/L	D										ND (0.00000205)	
PCB-198/199	UG/L	T								ND (0.0000015)	ND (0.00000152) U		ND (0.00000124)
PCB-21/33	UG/L	T								0.00000469 B	ND (0.00000158) U		ND (0.000000922)
PCB-26/29	UG/L	T								ND (0.00000191)	ND (0.00000169) U		ND (0.000000919)
PCB-28/20	UG/L	T								0.0000101 B	0.00000235 U*		0.00000155 B
PCB-30/18	UG/L	T								0.00000927 B	0.00000315 J		0.00000179 B

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
					2/15/06	3/21/06	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/29/09	10/21/09
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB-44/47/65	UG/L	T								0.0000137 B	0.00000478 U*		ND (0.00000135)
PCB-50/53	UG/L	T								ND (0.0000013)	0.00000131 J		ND (0.00000143)
PCB-59/62/75	UG/L	T								ND (0.00000102)	ND (0.000000884) U		ND (0.00000103)
PCB-61/70/74/76	UG/L	T								0.0000117 B	0.00000647 U*		0.00000322 B
PCB-69/49	UG/L	T								0.00000396 B	0.00000273 U*		ND (0.00000115)
PCB-71/40	UG/L	T								0.0000032 B	ND (0.00000125) U		ND (0.00000128)
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000425	ND (0.0000255)			ND (0.0000534)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000483)	ND (0.000051)			ND (0.000107)	0.0000602 B		0.0000113 B
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										ND (0.00000216)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000242)	ND (0.0000255)			ND (0.0000534)	0.00000568 B		0.00000185 B
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000283	ND (0.0000255)	0.00000577 B		ND (0.0000534)	0.0000886 B		0.00000987 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D										ND (0.00000132)	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000242)	ND (0.0000255)			ND (0.0000534)	0.0000191 B		ND (0.000000582)
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D										ND (0.00000521)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000242)	ND (0.0000255)			ND (0.0000534)	ND (0.00000224)		ND (0.00000282)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										ND (0.00000183)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000242)	ND (0.0000255)			ND (0.0000534)	0.00000222 B		ND (0.00000126)
TOTAL PCB (CONGENERS)	UG/L	T				0.000947	0.000306 B	0.0000206 B					
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000245	ND (0.0000255)	0.00000939 B		ND (0.0000534)	0.0000808 B		0.0000127 B
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000489	0.000273 B	0.00000541 B		ND (0.0000534)	0.0000581 B		0.00000511 B
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000142 B	0.0000332 B			ND (0.0000534)	0.0000424 B		0.00000449 B
ALUMINUM	UG/L	D	16000	UG/L						ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)
ALUMINUM	UG/L	T	16000	UG/L						1570	1480 J	2250	5820 J
ANTIMONY	UG/L	D	6	UG/L						ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
ARSENIC	UG/L	D	10	UG/L						ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)
ARSENIC	UG/L	T	10	UG/L		ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)
BARIUM	UG/L	D	2000	UG/L						76	69.2	77.4	83
BARIUM	UG/L	T	2000	UG/L						80.6	73.8	84.9	83.8
BERYLLIUM	UG/L	T	4	UG/L						ND (0.94)	ND (0.9)	ND (0.9)	0.26 J
CADMIUM	UG/L	D	5	UG/L						ND (0.91)	ND (0.9)	ND (2)	ND (2)
CADMIUM	UG/L	T	5	UG/L						ND (0.91)	ND (0.9)	ND (2)	ND (2)
CALCIUM	UG/L	D								8800	8330	8660	8320
CALCIUM	UG/L	T								9040	8780	8430	8930
CHROMIUM	UG/L	D	100	UG/L						ND (2.3)	ND (2.3)	ND (3)	ND (3.4)
CHROMIUM	UG/L	T	100	UG/L						8.9 B	8 J	10.2 J	13.2 J
COBALT	UG/L	D	4.7	UG/L						^4.9 J	4.7 J	6.9 B	^7
COBALT	UG/L	T	4.7	UG/L						^8.9	^10	^14.2	^15.2
COPPER	UG/L	D	1300	UG/L						ND (2.2)	ND (2.2)	ND (2.7)	ND (2.7)
COPPER	UG/L	T	1300	UG/L						26.3	10.5	24.8	14.5
FERROUS IRON	UG/L	T								2800 J	3800 J	3800 B	3800
IRON	UG/L	D	11000	UG/L						3570	3210	3680	3460
IRON	UG/L	T	11000	UG/L		^39000	5930 J	4260 J	3630 J	7100	7420	8660	10300
LEAD	UG/L	D	15	UG/L						0.15 B	0.064 B	ND (0.05)	0.098 J
LEAD	UG/L	T	15	UG/L						1	0.82 J	0.94 J	1.2
MAGNESIUM	UG/L	D								3170	3050	3210	3260
MAGNESIUM	UG/L	T								3260	3170	3300	3400
MANGANESE	UG/L	D	320	UG/L						152	140	154	164
MANGANESE	UG/L	T	320	UG/L		236	148	146	141	163	153	173	173
MERCURY	UG/L	D	2	UG/L						ND (0.056)	ND (0.056)	ND (0.056)	0.082 B
MERCURY	UG/L	T	2	UG/L						ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)
NICKEL	UG/L	D	300	UG/L						ND (5.6)	6.5 J	7.2 J	5.7 J
NICKEL	UG/L	T	300	UG/L						9.1 J	10.3	13.4	10.4
POTASSIUM	UG/L	D								778	802	679	585
POTASSIUM	UG/L	T								825	836	708	634

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					2/15/06	3/21/06	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/29/09	10/21/09
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS
SELENIUM	UG/L	T	50	UG/L						ND (9.4)	ND (9.4)	ND (10.7)	ND (0.99) UJ
SILVER	UG/L	D	71	UG/L						ND (1.6)	ND (1.6)	ND (2.2)	ND (2.3)
SODIUM	UG/L	D								9050	8990	9550	9840
SODIUM	UG/L	T								9010	8650	10000	9360
THALLIUM	UG/L	D	2	UG/L						ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15) ^ND (14)
THALLIUM	UG/L	T	2	UG/L	^ND (10)	^ND (10)	^ND (10)	^ND (10)		ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15) ^ND (14)
TITANIUM	UG/L	D								ND (2.8)	ND (2.8)	ND (3.8)	ND (3.8)
TITANIUM	UG/L	T								75.1	81.2	120	254
VANADIUM	UG/L	D								ND (1.5)	ND (1.5)	ND (2.5)	ND (2.5)
VANADIUM	UG/L	T								12.7	14.6	21	22.3
ZINC	UG/L	D	4700	UG/L						10.9 B	12.1 J	8.7 B	8.5 J
ZINC	UG/L	T	4700	UG/L						17.6 B	18.5 J	17.3 B	20.4
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T								12100	14000	7600	9700
AMMONIA	UG/L	T								ND (200)	ND (200)	ND (200)	ND (200)
CHLORIDE	UG/L	T								27300	29500	32400	30200
CYANIDE	UG/L	T	200	UG/L						ND (5)	28 J	ND (5)	ND (5)
FERRIC IRON	UG/L	T								4300	3600	4900	6500
NITRATE	UG/L	T	10000	UG/L						ND (40)	ND (40)	ND (40) UJ	ND (40)
NITRITE	UG/L	T	1000	UG/L						ND (15) UJ	ND (15) UJ	31 J	ND (15)
PHOSPHORUS	UG/L	T								ND (250)	ND (250)	ND (250)	ND (250)
SILICA	UG/L	T								26200	26300	25800	26800
SULFATE	UG/L	T								ND (5000)	3600 J	ND (5000)	3800 J
TOTAL DISSOLVED SOLIDS	UG/L	T			20500 J	109000 J	111000	94500					
TOTAL HARDNESS AS CaCO3	UG/L	T										34700	
TOTAL ORGANIC CARBON	UG/L	T			1500 J	ND (1000)	ND (1000)	2800	ND (1000)	ND (1000)		510 J	ND (500)
TOTAL SUSPENDED SOLIDS	UG/L	T			706000	63600	24000	34800	77600	94000	118000	267000	
COLOR QUALITATIVE (FIELD)	NS	T			tan	clear	clear	clear	Clear	clear	Brown	clear	cloudy
DISSOLVED OXYGEN (FIELD)	UG/L	T			0	0	240	0	790	300	210	1210	670
ODOR (FIELD)	NS	T			none	none	none	none	No	no	No	none	No
OVABZONE	PPM	T			NR	NR	NR	NR	NR	NR			
OVACASING	PPM	T			NR	NR	NR	NR	NR	NR			
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	D										ND (0.00000103)	
HPCDFS	UG/L	T			0.00000474	ND (0.00000612)	0.00000439	ND (0.0000014)	0.00000556	0.00000169	EMPCJ	ND (0.00000204)	
TOTAL HPCDDS	UG/L	T			0.00000812	ND (0.00000197)	0.00000835	B	ND (0.0000025)				

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					4/16/10	10/4/10	10/4/10	4/8/11	10/17/11	4/11/12	6/14/05	7/22/05	8/24/05	9/21/05
					0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L										
ACETONE	UG/L	T	12000	UG/L										
BENZENE	UG/L	T	5	UG/L										
CHLOROFORM	UG/L	T	80	UG/L										
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L										
TETRACHLOROETHYLENE	UG/L	T	5	UG/L										
TRICHLOROETHENE	UG/L	T	5	UG/L										
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L										
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L										
FLUORANTHENE	UG/L	T	630	UG/L										
NAPHTHALENE	UG/L	T	0.14	UG/L										
1,2,3,4,6,7,8-HPCDD	UG/L	D												
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.000001081489)			0.00000551 B			ND (0.00000119)	ND (0.00000138)	ND (0.0000015)	0.000000646
1,2,3,4,6,7,8-HPCDF	UG/L	D												
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.0000006978858)			0.00000398 B			ND (0.000000778)	ND (0.000000846)	ND (0.000000635)	ND (0.000000308)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.0000008755168)			0.00000232 J			ND (0.000000959)	ND (0.000000982)	ND (0.000000865)	ND (0.000000309)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.0000006102391)			0.000000668 J			ND (0.000000314)	ND (0.000000367)	ND (0.000000329)	ND (0.000000158)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.0000006157592)			0.000000393 J			ND (0.000000357)	ND (0.000000439)	ND (0.000000361)	ND (0.000000161)
2,3,4,7,8-PECDF	UG/L	T			ND (0.0000006382968)			0.000000792 J			ND (0.000000936)	ND (0.000000854)	ND (0.000000639)	ND (0.000000568)
2,3,7,8-TCDF	UG/L	T			ND (0.0000004388715)			0.000000598 J			ND (0.0000011)	ND (0.000000975)	ND (0.000000557)	ND (0.000000389)
HPCDDS	UG/L	D												
HPCDDS	UG/L	T												
HXCDDS	UG/L	T									ND (0.00000114)	ND (0.00000104)	ND (0.00000122)	ND (0.000000659)
HXCDFS	UG/L	T									ND (0.00000039)	ND (0.00000047)	ND (0.000000386)	ND (0.000000174)
OCDD	UG/L	D												
OCDD	UG/L	T			ND (0.000001582673)			0.0000484 J			0.00000585 B	0.00000593 B	ND (0.0000104)	0.00000482 B
OCDF	UG/L	T			0.00000776 J			0.0000581			ND (0.00000253)	ND (0.0000013)	ND (0.00000414)	ND (0.00000133)
TCDDS	UG/L	T			ND (0.0000007969902)			0.000000879 B			0.00000198	ND (0.000000689)	ND (0.000000621)	0.00000225
TCDFS	UG/L	T			ND (0.0000004388715)			0.00000775 EMPC			ND (0.0000011)	ND (0.000000975)	ND (0.000000557)	ND (0.000000389)
TOTAL HPCDD	UG/L	T			ND (0.000001081489)			0.0000121 EMPC						
TOTAL HPCDF	UG/L	T			ND (0.0000007806833)			0.00000832 EMPC						
TOTAL HXCDD	UG/L	T			ND (0.0000009664821)			0.00000547 B						
TOTAL PECDD	UG/L	T			ND (0.0000008838911)			0.000000894 EMPC						
TOTAL PECDDS	UG/L	T									ND (0.000000606)	ND (0.000000817)	ND (0.000000746)	ND (0.000000484)
TOTAL PECDF	UG/L	T			ND (0.0000006454471)			0.00000675 EMPC						
PCB 1	UG/L	D												
PCB 1	UG/L	T			ND (0.0000012)			0.00000632 J						
PCB 10	UG/L	T			ND (0.00000474)			ND (0.0000148)						
PCB 105	UG/L	D	0.017	UG/L										
PCB 105	UG/L	T	0.017	UG/L	0.00000407 J			0.00000439 J			ND (0.000016)	0.0000073 B	ND (0.0000119)	ND (0.00000975)
PCB 109	UG/L	D												
PCB 109	UG/L	T			ND (0.00000161)			ND (0.00000219)						
PCB 11	UG/L	T			0.0000151 B			0.0000193 B						
PCB 110	UG/L	T			ND (0.00000183)			0.0000249						
PCB 117	UG/L	T			0.0000104 EMPC			ND (0.0000026)						
PCB 118	UG/L	T	0.017	UG/L	0.00000716 J			0.00000565 J						
PCB 130	UG/L	D												
PCB 130	UG/L	T			ND (0.00000258)			ND (0.0000033)						
PCB 132	UG/L	D												
PCB 132	UG/L	T			ND (0.00000224)			0.00000546 J						
PCB 134	UG/L	T			ND (0.00000272)			ND (0.00000324)						
PCB 136	UG/L	T			ND (0.00000205)			0.00000203 J						
PCB 137	UG/L	D												
PCB 137	UG/L	T			ND (0.00000246)			ND (0.00000275)						

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 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09
					4/16/10	10/4/10	10/4/10	4/8/11	10/17/11	4/11/12	6/14/05	7/22/05	8/24/05	9/21/05
					0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	D												
PCB 141	UG/L	T			ND (0.00000207)				ND (0.00000269)					
PCB 146	UG/L	D												
PCB 146	UG/L	T			ND (0.00000194)				ND (0.00000243)					
PCB 15	UG/L	D												
PCB 15	UG/L	T			ND (0.00000633)				ND (0.0000158)					
PCB 156	UG/L	T	0.017	UG/L							ND (0.0000047)	ND (0.00000185)	ND (0.0000016)	ND (0.00000266)
PCB 157	UG/L	T	0.017	UG/L							ND (0.00000422)	ND (0.0000019)	ND (0.00000171)	ND (0.00000283)
PCB 158	UG/L	D												
PCB 158	UG/L	T			ND (0.00000162)				ND (0.00000193)					
PCB 16	UG/L	T			ND (0.0000018)				ND (0.00000324)					
PCB 162	UG/L	T			ND (0.00000228)				ND (0.00000178)					
PCB 164	UG/L	D												
PCB 164	UG/L	T			ND (0.00000155)				ND (0.00000208)					
PCB 167	UG/L	D	0.017	UG/L										
PCB 167	UG/L	T	0.017	UG/L	ND (0.0000023)				ND (0.0000018)		ND (0.0000053)	ND (0.00000183)	ND (0.00000164)	ND (0.00000285)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000235)				ND (0.00000199)		ND (0.00000352)	0.00000378 B	ND (0.00000314)	0.00000398 B
PCB 17	UG/L	T			0.00000256 J				ND (0.00000272)					
PCB 170	UG/L	D												
PCB 170	UG/L	T			ND (0.00000204)				ND (0.00000324)					
PCB 172	UG/L	D												
PCB 174	UG/L	D												
PCB 174	UG/L	T			ND (0.00000239)				ND (0.00000349)					
PCB 177	UG/L	D												
PCB 177	UG/L	T			ND (0.00000257)				ND (0.00000387)					
PCB 178	UG/L	D												
PCB 179	UG/L	T			ND (0.00000152)				ND (0.0000021)					
PCB 183	UG/L	D												
PCB 183	UG/L	T			ND (0.00000225)				ND (0.00000362)					
PCB 185	UG/L	D												
PCB 187	UG/L	T			ND (0.00000229)				0.00000543 J					
PCB 189	UG/L	T	0.017	UG/L	ND (0.00000187)				ND (0.0000021)		ND (0.00000168)	ND (0.00000106)	ND (0.00000131)	ND (0.0000016)
PCB 19	UG/L	T			ND (0.00000201)				ND (0.00000283)					
PCB 190	UG/L	D												
PCB 194	UG/L	D												
PCB 194	UG/L	T			ND (0.00000275)				ND (0.00000318)					
PCB 195	UG/L	D												
PCB 196	UG/L	D												
PCB 196	UG/L	T			ND (0.00000242)				ND (0.00000198)					
PCB 2	UG/L	D												
PCB 2	UG/L	T			0.00000224 B				0.00000234 J					
PCB 202	UG/L	D												
PCB 202	UG/L	T			ND (0.00000228)				ND (0.00000151)					
PCB 203	UG/L	D												
PCB 203	UG/L	T			ND (0.00000227)				ND (0.00000177)					
PCB 206	UG/L	D												
PCB 206	UG/L	T			ND (0.00000764)				ND (0.00000543)					
PCB 207	UG/L	D												
PCB 208	UG/L	D												
PCB 208	UG/L	T			ND (0.00000638)				ND (0.00000448)					
PCB 209	UG/L	D												
PCB 209	UG/L	T			0.00000695 J				0.0000147					
PCB 22	UG/L	T			ND (0.00000162)				ND (0.00000253)					
PCB 25	UG/L	T			ND (0.00000153)				ND (0.00000228)					

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 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09
					4/16/10	10/4/10	10/4/10	4/8/11	10/17/11	4/11/12	6/14/05	7/22/05	8/24/05	9/21/05
					0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
PCB 3	UG/L	D												
PCB 3	UG/L	T			0.00000294 B				0.00000665 J					
PCB 31	UG/L	T			0.00000421 B				0.00000352 B					
PCB 32	UG/L	T			0.00000309 B				0.00000274 B					
PCB 37	UG/L	T			ND (0.00000194)				ND (0.000003)					
PCB 4	UG/L	D												
PCB 4	UG/L	T			0.00000345 J				ND (0.00002)					
PCB 41	UG/L	T			ND (0.00000233)				ND (0.00000299)					
PCB 42	UG/L	T			ND (0.0000024)				ND (0.00000268)					
PCB 45	UG/L	T			ND (0.00000241)				ND (0.00000274)					
PCB 48	UG/L	T			ND (0.00000206)				ND (0.00000237)					
PCB 51	UG/L	T			ND (0.00000214)				ND (0.00000225)					
PCB 52	UG/L	T			0.00000206 B				0.00000954					
PCB 56	UG/L	T			ND (0.00000248)				ND (0.00000245)					
PCB 6	UG/L	D												
PCB 6	UG/L	T			ND (0.00000561)				ND (0.0000133)					
PCB 60	UG/L	T			ND (0.00000244)				ND (0.00000244)					
PCB 64	UG/L	T			ND (0.00000172)				0.00000187 J					
PCB 66	UG/L	T			ND (0.00000241)				0.00000321 J					
PCB 68	UG/L	T			ND (0.00000271)				ND (0.00000224)					
PCB 7	UG/L	T			ND (0.00000546)				ND (0.0000128)					
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000308)				ND (0.00000297)		ND (0.00000643)	0.00000519 B	0.00000315 B	0.00000432 B
PCB 8	UG/L	T			0.00000681 J				ND (0.000013)					
PCB 82	UG/L	T			ND (0.00000281)				ND (0.00000373)					
PCB 84	UG/L	T			0.0000126 B				0.00000546 J					
PCB 9	UG/L	T			ND (0.0000056)				ND (0.0000134)					
PCB 91	UG/L	T			ND (0.0000024)				0.00000349 J					
PCB 92	UG/L	T			ND (0.00000268)				ND (0.0000033)					
PCB 95	UG/L	T			0.0000191 B				0.0000131					
PCB 99	UG/L	T			ND (0.00000201)				ND (0.00000282)					
PCB-106/118	UG/L	T									ND (0.0000209)	ND (0.0000172)	ND (0.0000123)	ND (0.0000126)
PCB-108/119/86/97/125/87	UG/L	T			ND (0.00000224)				0.00000813 J					
PCB-113/90/101	UG/L	T			ND (0.00000233)				0.00000897 EMPC					
PCB-116/85	UG/L	D												
PCB-116/85	UG/L	T			ND (0.00000243)				ND (0.00000267)					
PCB-128/166	UG/L	D												
PCB-128/166	UG/L	T			ND (0.00000233)				ND (0.00000209)					
PCB-147/149	UG/L	T			ND (0.00000202)				0.000011					
PCB-151/135	UG/L	T			ND (0.00000222)				0.00000586 J					
PCB-153/168	UG/L	D												
PCB-153/168	UG/L	T			ND (0.00000181)				0.0000109					
PCB-156/157	UG/L	D												
PCB-156/157	UG/L	T			ND (0.00000306)				ND (0.00000238)					
PCB-163/138/129	UG/L	D												
PCB-163/138/129	UG/L	T			0.00000537 J				0.0000139					
PCB-171/173	UG/L	D												
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T			ND (0.00000207)				0.00000786 J					
PCB-198/199	UG/L	D												
PCB-198/199	UG/L	T			ND (0.00000251)				ND (0.00000197)					
PCB-21/33	UG/L	T			ND (0.00000187)				0.00000184 EMPC					
PCB-26/29	UG/L	T			ND (0.00000168)				ND (0.00000248)					
PCB-28/20	UG/L	T			ND (0.00000166)				0.00000593 B					
PCB-30/18	UG/L	T			0.00000601 B				0.00000456 J					

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					4/16/10	10/4/10	10/4/10	4/8/11	10/17/11	4/11/12	6/14/05	7/22/05	8/24/05	9/21/05
					0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
PCB-44/47/65	UG/L	T			0.00000964 B				0.00000482 J					
PCB-50/53	UG/L	T			0.00000449 B				ND (0.00000237)					
PCB-59/62/75	UG/L	T			ND (0.00000179)				ND (0.00000185)					
PCB-61/70/74/76	UG/L	T			0.0000182				0.00000553 J					
PCB-69/49	UG/L	T			0.00000772 B				0.00000279 J					
PCB-71/40	UG/L	T			ND (0.000002)				0.0000052 J					
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T									ND (0.00005)	ND (0.0000493)	ND (0.0000247)	ND (0.0000255)
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000254 B				0.0000193 B		0.0000669	0.0000665	0.0000883 B	ND (0.000051)
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000022)				0.0000133 EMPC		ND (0.00005)	ND (0.0000493)	ND (0.0000247)	ND (0.0000255)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000537				0.0000491 EMPC		ND (0.00005)	ND (0.0000493)	ND (0.0000247)	ND (0.0000255)
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000518 B				0.0000153 EMPC		ND (0.000025)	ND (0.0000246)	ND (0.0000247)	ND (0.0000255)
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000701)				ND (0.00000496)		ND (0.00005)	ND (0.0000493)	ND (0.0000247)	ND (0.0000255)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000246)				ND (0.00000186)		ND (0.00005)	ND (0.0000493)	ND (0.0000247)	ND (0.0000255)
TOTAL PCB (CONGENERS)	UG/L	T									0.000864	0.000626 B	0.0000915 B	0.0000083 B
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000534 B				0.0000741 EMPC		ND (0.00005)	ND (0.0000493)	ND (0.0000247)	ND (0.0000255)
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000607 B				0.000033 EMPC		0.000524	0.000393 B	ND (0.0000247)	ND (0.0000255)
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000159 B				0.0000186 B		0.000274	0.000155 B	ND (0.0000247)	ND (0.0000255)
ALUMINUM	UG/L	D	16000	UG/L										
ALUMINUM	UG/L	T	16000	UG/L										
ANTIMONY	UG/L	D	6	UG/L										
ARSENIC	UG/L	D	10	UG/L										
ARSENIC	UG/L	T	10	UG/L	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
BARIUM	UG/L	D	2000	UG/L										
BARIUM	UG/L	T	2000	UG/L										
BERYLLIUM	UG/L	T	4	UG/L										
CADMIUM	UG/L	D	5	UG/L										
CADMIUM	UG/L	T	5	UG/L										
CALCIUM	UG/L	D												
CALCIUM	UG/L	T												
CHROMIUM	UG/L	D	100	UG/L										
CHROMIUM	UG/L	T	100	UG/L										
COBALT	UG/L	D	4.7	UG/L										
COBALT	UG/L	T	4.7	UG/L										
COPPER	UG/L	D	1300	UG/L										
COPPER	UG/L	T	1300	UG/L										
FERROUS IRON	UG/L	T												
IRON	UG/L	D	11000	UG/L										
IRON	UG/L	T	11000	UG/L										
LEAD	UG/L	D	15	UG/L										
LEAD	UG/L	T	15	UG/L							ND (8.4)			ND (8.4)
MAGNESIUM	UG/L	D												
MAGNESIUM	UG/L	T												
MANGANESE	UG/L	D	320	UG/L										
MANGANESE	UG/L	T	320	UG/L	168	165	158	188	176	166	^515	^487	^491	^478
MERCURY	UG/L	D	2	UG/L										
MERCURY	UG/L	T	2	UG/L										
NICKEL	UG/L	D	300	UG/L										
NICKEL	UG/L	T	300	UG/L										
POTASSIUM	UG/L	D												
POTASSIUM	UG/L	T												

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	
					4/16/10	10/4/10	10/4/10	4/8/11	10/17/11	4/11/12	6/14/05	7/22/05	8/24/05	9/21/05	
SELENIUM	UG/L	T	50	UG/L											
SILVER	UG/L	D	71	UG/L											
SODIUM	UG/L	D													
SODIUM	UG/L	T													
THALLIUM	UG/L	D	2	UG/L											
THALLIUM	UG/L	T	2	UG/L	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)
TITANIUM	UG/L	D													
TITANIUM	UG/L	T													
VANADIUM	UG/L	D													
VANADIUM	UG/L	T													
ZINC	UG/L	D	4700	UG/L											
ZINC	UG/L	T	4700	UG/L											
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T													
AMMONIA	UG/L	T													
CHLORIDE	UG/L	T													
CYANIDE	UG/L	T	200	UG/L											
FERRIC IRON	UG/L	T													
NITRATE	UG/L	T	10000	UG/L											
NITRITE	UG/L	T	1000	UG/L											
PHOSPHORUS	UG/L	T													
SILICA	UG/L	T													
SULFATE	UG/L	T													
TOTAL DISSOLVED SOLIDS	UG/L	T													
TOTAL HARDNESS AS CaCO3	UG/L	T													
TOTAL ORGANIC CARBON	UG/L	T													
TOTAL SUSPENDED SOLIDS	UG/L	T													
COLOR QUALITATIVE (FIELD)	NS	T			NS	NS	NS	Clear	clear		clear	clear	clear	clear	clear
DISSOLVED OXYGEN (FIELD)	UG/L	T			70	-2500		610	810		780	10		590	0
ODOR (FIELD)	NS	T			NS	NS	NS	None	none		none	none	none	none	none
OVABZONE	PPM	T			NS	NS	NS				NR	NR			NR
OVACASING	PPM	T			NS	NS	NS				NR	NR			NR
REDOX (FIELD)	MV	T										N/A		NR	
TOTAL WELL DEPTH	Feet	T			NS	NS	NS								
TURBIDITY QUANTITATIVE (FIELD)	NTU	T									low				
HPCDFS	UG/L	D													
HPCDFS	UG/L	T									ND (0.000000858)	ND (0.000000905)	ND (0.000000743)	ND (0.000000308)	
TOTAL HPCDDS	UG/L	T									ND (0.00000119)	ND (0.00000138)	ND (0.0000015)	0.000000646	

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					10/11/05	11/14/05	12/19/05	12/19/05	1/19/06	2/15/06	3/21/06	4/11/06
					0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0
					FS	FS	DUP	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L								
ACETONE	UG/L	T	12000	UG/L								
BENZENE	UG/L	T	5	UG/L								
CHLOROFORM	UG/L	T	80	UG/L								
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L								
TETRACHLOROETHYLENE	UG/L	T	5	UG/L								
TRICHLOROETHENE	UG/L	T	5	UG/L								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L								
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L								
FLUORANTHENE	UG/L	T	630	UG/L								
NAPHTHALENE	UG/L	T	0.14	UG/L								
1,2,3,4,6,7,8-HPCDD	UG/L	D										
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.00000258)	ND (0.00000818)	ND (0.00000256)	ND (0.00000257)	ND (0.00000117)	ND (0.000000965)	ND (0.000000757)	ND (0.000000204)
1,2,3,4,6,7,8-HPCDF	UG/L	D										
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000085)	ND (0.000000555)	ND (0.00000119)	ND (0.000000786)	ND (0.000000581)	ND (0.000000847)	ND (0.00000105)	ND (0.00000022)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.000000965)	ND (0.000000573)	ND (0.0000014)	ND (0.000000871)	ND (0.000000562)	ND (0.000000907)	ND (0.000000581)	ND (0.000000219)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000481)	ND (0.000000543)	ND (0.000000664)	ND (0.000000498)	ND (0.000000285)	ND (0.000000433)	ND (0.000000195)	ND (0.000000148)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000547)	ND (0.000000577)	ND (0.000000826)	ND (0.000000526)	ND (0.000000302)	ND (0.000000456)	ND (0.000000238)	ND (0.000000165)
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000973)	ND (0.00000198)	ND (0.00000193)	ND (0.00000128)	ND (0.00000097)	ND (0.00000216)	ND (0.000000419)	ND (0.000000139)
2,3,7,8-TCDF	UG/L	T			ND (0.0000007)	ND (0.00000106)	ND (0.00000153)	ND (0.00000101)	ND (0.000000682)	ND (0.00000152)	ND (0.000000379)	ND (0.000000258)
HPCDDS	UG/L	D										
HPCDDS	UG/L	T										
HXCDDS	UG/L	T			ND (0.00000152)	ND (0.000000877)	ND (0.00000126)	ND (0.0000015)	ND (0.00000132)	ND (0.00000128)	ND (0.00000102)	ND (0.000000246)
HXCDFS	UG/L	T			ND (0.000000596)	ND (0.000000634)	ND (0.000000881)	ND (0.000000588)	ND (0.000000319)	ND (0.000000506)	ND (0.000000248)	ND (0.000000177)
OCDD	UG/L	D										
OCDD	UG/L	T			ND (0.0000135)	0.0000037	0.0000068 B	ND (0.0000103)	0.00000753 B	0.00000402 B	0.0000106	0.00000561 B
OCDF	UG/L	T			ND (0.00000315)	ND (0.00000526)	ND (0.00000411)	0.00000459	ND (0.00000206)	ND (0.00000264)	0.00000294	0.00000155 B
TCDDS	UG/L	T			ND (0.00000103)	ND (0.000000909)	ND (0.00000172)	0.00000409	ND (0.00000115)	0.0000106	ND (0.000000537)	ND (0.000000252)
TCDFS	UG/L	T			ND (0.0000007)	0.00000419 B	ND (0.00000153)	ND (0.00000101)	ND (0.000000682)	ND (0.00000152)	ND (0.000000379)	ND (0.000000258)
TOTAL HPCDD	UG/L	T										
TOTAL HPCDF	UG/L	T										
TOTAL HXCDD	UG/L	T										
TOTAL PECDD	UG/L	T										
TOTAL PECDDS	UG/L	T			ND (0.000001)	ND (0.000000654)	ND (0.00000127)	ND (0.000000847)	ND (0.00000106)	ND (0.00000133)	ND (0.000000893)	ND (0.00000021)
TOTAL PECDF	UG/L	T										
PCB 1	UG/L	D										
PCB 1	UG/L	T										
PCB 10	UG/L	T										
PCB 105	UG/L	D	0.017	UG/L								
PCB 105	UG/L	T	0.017	UG/L	ND (0.0000117)	0.0000361 B	ND (0.000012)	ND (0.0000126)	ND (0.00000924)	ND (0.0000181)	ND (0.0000106)	ND (0.00000746)
PCB 109	UG/L	D										
PCB 109	UG/L	T										
PCB 11	UG/L	T										
PCB 110	UG/L	T										
PCB 117	UG/L	T										
PCB 118	UG/L	T	0.017	UG/L								
PCB 130	UG/L	D										
PCB 130	UG/L	T										
PCB 132	UG/L	D										
PCB 132	UG/L	T										
PCB 134	UG/L	T										
PCB 136	UG/L	T										
PCB 137	UG/L	D										
PCB 137	UG/L	T										

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 DuPont Edge Moor Site, Edgemoor, Delaware

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					10/11/05	11/14/05	12/19/05	12/19/05	1/19/06	2/15/06	3/21/06	4/11/06
					0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0
					FS	FS	DUP	FS	FS	FS	FS	FS
PCB 141	UG/L	D										
PCB 141	UG/L	T										
PCB 146	UG/L	D										
PCB 146	UG/L	T										
PCB 15	UG/L	D										
PCB 15	UG/L	T										
PCB 156	UG/L	T	0.017	UG/L	ND (0.0000021)	ND (0.00000354)	ND (0.00000499)	ND (0.00000585)	ND (0.00000457)	ND (0.00000545)	ND (0.00000239)	ND (0.00000362)
PCB 157	UG/L	T	0.017	UG/L	ND (0.00000226)	ND (0.00000367)	ND (0.00000519)	ND (0.00000617)	ND (0.00000459)	ND (0.00000562)	ND (0.00000258)	ND (0.00000371)
PCB 158	UG/L	D										
PCB 158	UG/L	T										
PCB 16	UG/L	T										
PCB 162	UG/L	T										
PCB 164	UG/L	D										
PCB 164	UG/L	T										
PCB 167	UG/L	D	0.017	UG/L								
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000229)	ND (0.00000347)	ND (0.00000495)	ND (0.00000573)	ND (0.00000481)	ND (0.00000538)	ND (0.00000254)	ND (0.0000044)
PCB 169	UG/L	T	0.000017	UG/L	0.00000403 B	0.00000433 B	ND (0.00000706)	ND (0.00000825)	ND (0.00000581)	ND (0.00000674)	ND (0.0000243)	^ND (0.000052)
PCB 17	UG/L	T										
PCB 170	UG/L	D										
PCB 170	UG/L	T										
PCB 172	UG/L	D										
PCB 174	UG/L	D										
PCB 174	UG/L	T										
PCB 177	UG/L	D										
PCB 177	UG/L	T										
PCB 178	UG/L	D										
PCB 179	UG/L	T										
PCB 183	UG/L	D										
PCB 183	UG/L	T										
PCB 185	UG/L	D										
PCB 187	UG/L	T										
PCB 189	UG/L	T	0.017	UG/L	ND (0.0000015)	ND (0.00000207)	ND (0.00000166)	ND (0.00000497)	ND (0.00000255)	ND (0.00000266)	ND (0.00000132)	ND (0.00000334)
PCB 19	UG/L	T										
PCB 190	UG/L	D										
PCB 194	UG/L	D										
PCB 194	UG/L	T										
PCB 195	UG/L	D										
PCB 196	UG/L	D										
PCB 196	UG/L	T										
PCB 2	UG/L	D										
PCB 2	UG/L	T										
PCB 202	UG/L	D										
PCB 202	UG/L	T										
PCB 203	UG/L	D										
PCB 203	UG/L	T										
PCB 206	UG/L	D										
PCB 206	UG/L	T										
PCB 207	UG/L	D										
PCB 208	UG/L	D										
PCB 208	UG/L	T										
PCB 209	UG/L	D										
PCB 209	UG/L	T										
PCB 22	UG/L	T										
PCB 25	UG/L	T										

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					10/11/05	11/14/05	12/19/05	12/19/05	1/19/06	2/15/06	3/21/06	4/11/06
					0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0
					FS	FS	DUP	FS	FS	FS	FS	FS
PCB 3	UG/L	D										
PCB 3	UG/L	T										
PCB 31	UG/L	T										
PCB 32	UG/L	T										
PCB 37	UG/L	T										
PCB 4	UG/L	D										
PCB 4	UG/L	T										
PCB 41	UG/L	T										
PCB 42	UG/L	T										
PCB 45	UG/L	T										
PCB 48	UG/L	T										
PCB 51	UG/L	T										
PCB 52	UG/L	T										
PCB 56	UG/L	T										
PCB 6	UG/L	D										
PCB 6	UG/L	T										
PCB 60	UG/L	T										
PCB 64	UG/L	T										
PCB 66	UG/L	T										
PCB 68	UG/L	T										
PCB 7	UG/L	T										
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000401)	0.0000107 B	ND (0.00000506)	ND (0.00000417)	0.00000665 B	ND (0.000006)	ND (0.00000371)	ND (0.00000424)
PCB 8	UG/L	T										
PCB 82	UG/L	T										
PCB 84	UG/L	T										
PCB 9	UG/L	T										
PCB 91	UG/L	T										
PCB 92	UG/L	T										
PCB 95	UG/L	T										
PCB 99	UG/L	T										
PCB-106/118	UG/L	T			ND (0.00000964)	0.0000514 B	ND (0.0000139)	ND (0.0000159)	ND (0.0000122)	ND (0.0000198)	ND (0.000016)	ND (0.00000735)
PCB-108/119/86/97/125/87	UG/L	T										
PCB-113/90/101	UG/L	T										
PCB-116/85	UG/L	D										
PCB-116/85	UG/L	T										
PCB-128/166	UG/L	D										
PCB-128/166	UG/L	T										
PCB-147/149	UG/L	T										
PCB-151/135	UG/L	T										
PCB-153/168	UG/L	D										
PCB-153/168	UG/L	T										
PCB-156/157	UG/L	D										
PCB-156/157	UG/L	T										
PCB-163/138/129	UG/L	D										
PCB-163/138/129	UG/L	T										
PCB-171/173	UG/L	D										
PCB-180/193	UG/L	D										
PCB-180/193	UG/L	T										
PCB-198/199	UG/L	D										
PCB-198/199	UG/L	T										
PCB-21/33	UG/L	T										
PCB-26/29	UG/L	T										
PCB-28/20	UG/L	T										
PCB-30/18	UG/L	T										

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09
					10/11/05	11/14/05	12/19/05	12/19/05	1/19/06	2/15/06	3/21/06	4/11/06
PCB-44/47/65	UG/L	T										
PCB-50/53	UG/L	T										
PCB-59/62/75	UG/L	T										
PCB-61/70/74/76	UG/L	T										
PCB-69/49	UG/L	T										
PCB-71/40	UG/L	T										
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000249)	ND (0.0000258)	ND (0.0000253)	ND (0.0000245)	ND (0.000024)	ND (0.0000243)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000511)	ND (0.0000498)	ND (0.0000516)	ND (0.0000506)	ND (0.0000489)	ND (0.0000481)	ND (0.0000486)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000249)	ND (0.0000258)	ND (0.0000253)	ND (0.0000245)	ND (0.000024)	ND (0.0000243)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000249)	ND (0.0000258)	ND (0.0000253)	ND (0.0000245)	ND (0.000024)	ND (0.0000243)	0.00000393 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000249)	ND (0.0000258)	ND (0.0000253)	0.0000463 B	ND (0.000024)	ND (0.0000243)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000249)	ND (0.0000258)	ND (0.0000253)	ND (0.0000245)	ND (0.000024)	ND (0.0000243)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	ND (0.0000249)	ND (0.0000258)	ND (0.0000253)	ND (0.0000245)	ND (0.000024)	ND (0.0000243)	
TOTAL PCB (CONGENERS)	UG/L	T			0.00000403 B	0.00212 B			0.000403 B	0.0000252 B	0.000453 B	0.00000393 B
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	0.000512 B	ND (0.0000258)	ND (0.0000253)	ND (0.0000245)	ND (0.000024)	ND (0.0000243)	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000316)	0.00124 B	ND (0.0000258)	ND (0.0000253)	0.000112 B	0.0000252 B	0.00035 B	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000256)	0.00036 B	ND (0.0000258)	ND (0.0000253)	0.000244 B	ND (0.000024)	0.0000995 B	
ALUMINUM	UG/L	D	16000	UG/L								
ALUMINUM	UG/L	T	16000	UG/L								
ANTIMONY	UG/L	D	6	UG/L								
ARSENIC	UG/L	D	10	UG/L								
ARSENIC	UG/L	T	10	UG/L	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
BARIUM	UG/L	D	2000	UG/L								
BARIUM	UG/L	T	2000	UG/L								
BERYLLIUM	UG/L	T	4	UG/L								
CADMIUM	UG/L	D	5	UG/L								
CADMIUM	UG/L	T	5	UG/L								
CALCIUM	UG/L	D										
CALCIUM	UG/L	T										
CHROMIUM	UG/L	D	100	UG/L								
CHROMIUM	UG/L	T	100	UG/L								
COBALT	UG/L	D	4.7	UG/L								
COBALT	UG/L	T	4.7	UG/L								
COPPER	UG/L	D	1300	UG/L								
COPPER	UG/L	T	1300	UG/L								
FERROUS IRON	UG/L	T										
IRON	UG/L	D	11000	UG/L								
IRON	UG/L	T	11000	UG/L			^42600	^40900	^46200 J	^45700	^41500 J	^40900 J
LEAD	UG/L	D	15	UG/L								
LEAD	UG/L	T	15	UG/L								
MAGNESIUM	UG/L	D										
MAGNESIUM	UG/L	T										
MANGANESE	UG/L	D	320	UG/L								
MANGANESE	UG/L	T	320	UG/L	^501	^481	^480 ^466 ^519 ^493 ^455 ^460					
MERCURY	UG/L	D	2	UG/L								
MERCURY	UG/L	T	2	UG/L								
NICKEL	UG/L	D	300	UG/L								
NICKEL	UG/L	T	300	UG/L								
POTASSIUM	UG/L	D										
POTASSIUM	UG/L	T										

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					10/11/05	11/14/05	12/19/05	12/19/05	1/19/06	2/15/06	3/21/06	4/11/06
SELENIUM	UG/L	T	50	UG/L								
SILVER	UG/L	D	71	UG/L								
SODIUM	UG/L	D										
SODIUM	UG/L	T										
THALLIUM	UG/L	D	2	UG/L								
THALLIUM	UG/L	T	2	UG/L	^ND (10)	^ND (10)	^ND (10)	^ND (10)	10.2 B	^ND (10)	^ND (10)	^ND (10)
TITANIUM	UG/L	D										
TITANIUM	UG/L	T										
VANADIUM	UG/L	D										
VANADIUM	UG/L	T										
ZINC	UG/L	D	4700	UG/L								
ZINC	UG/L	T	4700	UG/L								
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T										
AMMONIA	UG/L	T										
CHLORIDE	UG/L	T										
CYANIDE	UG/L	T	200	UG/L								
FERRIC IRON	UG/L	T										
NITRATE	UG/L	T	10000	UG/L								
NITRITE	UG/L	T	1000	UG/L								
PHOSPHORUS	UG/L	T										
SILICA	UG/L	T										
SULFATE	UG/L	T										
TOTAL DISSOLVED SOLIDS	UG/L	T								282000 J	290000 J	283000
TOTAL HARDNESS AS CaCO3	UG/L	T										
TOTAL ORGANIC CARBON	UG/L	T					2100 B	2100 B	2600 B	2400	2300	1800 J
TOTAL SUSPENDED SOLIDS	UG/L	T					10400 J	8400 J	113000	42400	28000	7200 J
COLOR QUALITATIVE (FIELD)	NS	T			clear	clear		clr	clear	clear	clear	clear
DISSOLVED OXYGEN (FIELD)	UG/L	T			0	1400		0	120	0	20	140
ODOR (FIELD)	NS	T			none	none		none	yes	none	none	none
OVABZONE	PPM	T			NR	NR		NR	NR	NR	NR	NR
OVACASING	PPM	T			NR	NR		NR	NR	NR	NR	NR
REDOX (FIELD)	MV	T			NR	NR			NR			
TOTAL WELL DEPTH	Feet	T										
TURBIDITY QUANTITATIVE (FIELD)	NTU	T										
HPCDFS	UG/L	D										
HPCDFS	UG/L	T			ND (0.0000009)	ND (0.000000562)	ND (0.00000129)	ND (0.000000825)	ND (0.000000572)	ND (0.000000876)	ND (0.00000114)	ND (0.00000022)
TOTAL HPCDDS	UG/L	T			ND (0.00000258)	ND (0.000000818)	ND (0.00000256)	ND (0.00000257)	ND (0.00000117)	ND (0.000000965)	ND (0.000000757)	ND (0.000000204)

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					5/16/06	5/16/07	8/22/07	11/13/08	11/13/08	5/29/09	10/22/09	10/22/09	10/5/10
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	DUP	FS	FS	DUP	FS	DUP
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)			
ACETONE	UG/L	T	12000	UG/L	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)			
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)			
CHLOROFORM	UG/L	T	80	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)			
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)			
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)			
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)			
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)			
FLUORANTHENE	UG/L	T	630	UG/L	ND (1)	ND (1)	ND (0.019)	ND (0.02) UJ	ND (0.019)	ND (0.019)			
NAPHTHALENE	UG/L	T	0.14	UG/L	^ND (1)	^ND (1)	^ND (0.96)	^ND (0.99) UJ	^ND (0.97)	^ND (0.97)			
1,2,3,4,6,7,8-HPCDD	UG/L	D					ND (0.0000012)	ND (0.0000054)					
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.00000203)	ND (0.00000225) U	ND (0.00000206) U				ND (0.00000116)		
1,2,3,4,6,7,8-HPCDF	UG/L	D					ND (0.00000388)	ND (0.0000007)					
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000102)	ND (0.00000112) U	ND (0.000000422) U				ND (0.000000516)		
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.00000101)	ND (0.00000172) U	ND (0.000000712) U				ND (0.000000677)		
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000756)	ND (0.000000286) U	ND (0.00000047) U				ND (0.000000268)		
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000889)	ND (0.000000381) U	ND (0.000000595) U				ND (0.00000031)		
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000837)	ND (0.000000839) U	ND (0.000000564) U				ND (0.000000206)		
2,3,7,8-TCDF	UG/L	T			ND (0.00000018)	ND (0.000000691) U	ND (0.000000392) U				ND (0.000000762)		
HPCDD	UG/L	D						ND (0.0000012)	ND (0.0000054)				
HPCDD	UG/L	T				ND (0.00000225) U	ND (0.00000206) U				ND (0.00000116)		
HXCDD	UG/L	T			ND (0.00000141)	ND (0.000000953) U	ND (0.000000564) U				ND (0.00000127)		
HXCDFS	UG/L	T			ND (0.000000914)	ND (0.000000357) U	ND (0.000000544) U				ND (0.000000321)		
OCDD	UG/L	D						ND (0.00000562)	ND (0.00000779)				
OCDD	UG/L	T			0.00000498	ND (0.0000028) U	ND (0.00000168) U				ND (0.00000395)		
OCDF	UG/L	T			ND (0.00000334)	0.0000105 J	ND (0.00000144) U				ND (0.00000289)		
TCDD	UG/L	T			ND (0.00000164)	ND (0.000000399) U	0.000000971 U*				ND (0.00000101)		
TCDFS	UG/L	T			ND (0.0000018)	ND (0.000000691) U	ND (0.000000392) U				ND (0.000000762)		
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T			ND (0.00000155)	ND (0.00000823) U	ND (0.000000802) U				ND (0.000000751)		
TOTAL PECDF	UG/L	T											
PCB 1	UG/L	D						0.00000275 EMPC	0.00000358				
PCB 1	UG/L	T				ND (0.00000247) U	ND (0.00000103) U				ND (0.000000625)		
PCB 10	UG/L	T				ND (0.00000275) U	ND (0.00000139) U				ND (0.000000573)		
PCB 105	UG/L	D	0.017	UG/L				ND (0.000000944)	ND (0.000000863)				
PCB 105	UG/L	T	0.017	UG/L	ND (0.0000185)	0.00000298 U*	ND (0.00000127) U				ND (0.00000094)		
PCB 109	UG/L	D						ND (0.000000797)	ND (0.000000695)				
PCB 109	UG/L	T				ND (0.00000116) U	ND (0.000000999) U				ND (0.000000803)		
PCB 11	UG/L	T				0.0000722 U*	0.0000243 U*				0.0000162 B		
PCB 110	UG/L	T				0.0000113 U*	0.00000633 U*				0.00000141 B		
PCB 117	UG/L	T				ND (0.00000176) U	ND (0.00000121) U				ND (0.00000107)		
PCB 118	UG/L	T	0.017	UG/L		0.0000054 U*	0.00000323 U*				0.00000149 B		
PCB 130	UG/L	D						ND (0.00000109)	ND (0.00000102)				
PCB 130	UG/L	T				ND (0.00000157) U	ND (0.00000139) U				ND (0.00000136)		
PCB 132	UG/L	D						ND (0.000000935)	ND (0.000000876)				
PCB 132	UG/L	T				ND (0.00000133) U	ND (0.00000115) U				ND (0.00000117)		
PCB 134	UG/L	T				ND (0.00000182) U	ND (0.00000151) U				ND (0.00000137)		
PCB 136	UG/L	T				ND (0.00000107) U	ND (0.000000874) U				ND (0.000000867)		
PCB 137	UG/L	D						ND (0.00000087)	ND (0.000000815)				
PCB 137	UG/L	T				ND (0.00000114) U	ND (0.000000976) U				ND (0.000001)		

FED\_MCL and EPA\_SL\_Tapwater 05/12 when MCL is not available  
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**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09
					5/16/06	5/16/07	8/22/07	11/13/08	11/13/08	5/29/09	10/22/09	10/22/09	10/5/10
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	DUP	FS	FS	DUP	FS	DUP
PCB 141	UG/L	D						ND (0.00000882)		ND (0.00000826)			
PCB 141	UG/L	T					ND (0.0000012) U	ND (0.0000011) U				ND (0.00000113)	
PCB 146	UG/L	D						ND (0.00000819)		ND (0.00000767)			
PCB 146	UG/L	T					ND (0.00000134) U	ND (0.00000112) U				ND (0.00000959)	
PCB 15	UG/L	D						0.00000185		ND (0.00000118)			
PCB 15	UG/L	T					ND (0.00000594) U	ND (0.0000023) U				ND (0.00000992)	
PCB 156	UG/L	T	0.017	UG/L			ND (0.0000119)						
PCB 157	UG/L	T	0.017	UG/L			ND (0.000013)						
PCB 158	UG/L	D						ND (0.00000072)		ND (0.00000674)			
PCB 158	UG/L	T					ND (0.00000106) U	ND (0.00000909) U				ND (0.00000905)	
PCB 16	UG/L	T					0.0000167 U*	ND (0.00000211) U				0.00000105 B	
PCB 162	UG/L	T					ND (0.00000148) U	ND (0.00000965) U				ND (0.00000838)	
PCB 164	UG/L	D						ND (0.00000672)		ND (0.00000629)			
PCB 164	UG/L	T					ND (0.00000933) U	ND (0.00000817) U				ND (0.00000868)	
PCB 167	UG/L	D	0.017	UG/L				ND (0.00000114)		ND (0.00000943)			
PCB 167	UG/L	T	0.017	UG/L			ND (0.0000124)	ND (0.00000153) U		ND (0.00000102) U		ND (0.00000966)	
PCB 169	UG/L	T	0.000017	UG/L			ND (0.0000166)	ND (0.00000193) U		ND (0.00000122) U		ND (0.00000114)	
PCB 17	UG/L	T					0.000014 B	ND (0.00000146) U				0.00000106 B	
PCB 170	UG/L	D						ND (0.00000135)		ND (0.00000112)			
PCB 170	UG/L	T					ND (0.00000144) U	ND (0.00000154) U				ND (0.00000135)	
PCB 172	UG/L	D						ND (0.00000127)		ND (0.00000108)			
PCB 174	UG/L	D						ND (0.00000122)		ND (0.00000104)			
PCB 174	UG/L	T					ND (0.00000157) U	ND (0.00000174) U				ND (0.00000117)	
PCB 177	UG/L	D						ND (0.00000132)		ND (0.00000112)			
PCB 177	UG/L	T					ND (0.00000165) U	ND (0.00000189) U				ND (0.00000121)	
PCB 178	UG/L	D						ND (0.00000923)		ND (0.00000837)			
PCB 179	UG/L	T					ND (0.00000107) U	ND (0.00000908) U				ND (0.00000817)	
PCB 183	UG/L	D						ND (0.00000104)		ND (0.00000089)			
PCB 183	UG/L	T					ND (0.00000121) U	ND (0.00000138) U				ND (0.0000011)	
PCB 185	UG/L	D						ND (0.00000127)		ND (0.00000109)			
PCB 187	UG/L	T					0.00000326 U*	ND (0.00000163) U				ND (0.00000108)	
PCB 189	UG/L	T	0.017	UG/L			ND (0.00000465)	ND (0.00000143) U		ND (0.00000121) U		ND (0.00000945)	
PCB 19	UG/L	T					0.00000609 J	ND (0.0000017) U				ND (0.00000077)	
PCB 190	UG/L	D								ND (0.00000116)		ND (0.00000964)	
PCB 194	UG/L	D						ND (0.00000174)		ND (0.00000123)			
PCB 194	UG/L	T					ND (0.00000139) U	ND (0.00000151) U				ND (0.0000011)	
PCB 195	UG/L	D						ND (0.00000176)		ND (0.00000125)			
PCB 196	UG/L	D						ND (0.00000111)		ND (0.00000103)			
PCB 196	UG/L	T					ND (0.00000121) U	ND (0.00000116) U				ND (0.00000118)	
PCB 2	UG/L	D						ND (0.00000935)		0.00000236			
PCB 2	UG/L	T					ND (0.00000245) U	ND (0.00000115) U				ND (0.00000631)	
PCB 202	UG/L	D						ND (0.00000886)		ND (0.0000082)			
PCB 202	UG/L	T					ND (0.00000101) U	ND (0.00000103) U				ND (0.00000107)	
PCB 203	UG/L	D						ND (0.00000111)		ND (0.00000103)			
PCB 203	UG/L	T					ND (0.00000128) U	ND (0.00000123) U				ND (0.00000105)	
PCB 206	UG/L	D						ND (0.00000386)		ND (0.00000391)			
PCB 206	UG/L	T					ND (0.00000286) U	ND (0.00000463) U				ND (0.00000303)	
PCB 207	UG/L	D						ND (0.00000252)		ND (0.00000251)			
PCB 208	UG/L	D						ND (0.00000244)		ND (0.00000244)			
PCB 208	UG/L	T					ND (0.00000214) U	ND (0.00000343) U				ND (0.00000245)	
PCB 209	UG/L	D						ND (0.0000017)		ND (0.00000192)			
PCB 209	UG/L	T					0.00000638 J	ND (0.00000147) U				ND (0.00000123)	
PCB 22	UG/L	T					0.00000898 B	ND (0.00000181) U				ND (0.00000885)	
PCB 25	UG/L	T					ND (0.00000237) U	ND (0.00000161) U				ND (0.00000802)	

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 Risk Analysis  
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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09
					5/16/06	5/16/07	8/22/07	11/13/08	11/13/08	5/29/09	10/22/09	10/22/09	10/5/10
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	DUP	FS	FS	DUP	FS	DUP
PCB 3	UG/L	D						ND (0.00000977)		0.00000278 EMPC			
PCB 3	UG/L	T				ND (0.0000024) U	ND (0.00000112) U					ND (0.00000064)	
PCB 31	UG/L	T				0.0000187 U*	0.00000171 U*					0.0000014 B	
PCB 32	UG/L	T				0.00000794 J	ND (0.00000105) U					ND (0.000000588)	
PCB 37	UG/L	T				ND (0.00000292) U	ND (0.00000191) U					ND (0.00000101)	
PCB 4	UG/L	D						0.0000069		0.00000468			
PCB 4	UG/L	T				0.0000206 U*	ND (0.00000262) U					ND (0.000000915)	
PCB 41	UG/L	T				ND (0.00000244) U	ND (0.00000142) U					ND (0.00000136)	
PCB 42	UG/L	T				ND (0.00000261) U	ND (0.00000163) U					ND (0.0000015)	
PCB 45	UG/L	T				ND (0.00000243) U	ND (0.00000132) U					ND (0.00000127)	
PCB 48	UG/L	T				0.0000033 EMPC J	ND (0.00000126) U					ND (0.00000126)	
PCB 51	UG/L	T				ND (0.00000212) U	ND (0.00000136) U					ND (0.0000014)	
PCB 52	UG/L	T				0.0000215 U*	0.00000889 U*					0.00000207 B	
PCB 56	UG/L	T				0.00000449 U*	ND (0.00000136) U					ND (0.00000126)	
PCB 6	UG/L	D						0.00000194		ND (0.00000106)			
PCB 6	UG/L	T				0.00000648 U*	ND (0.00000216) U					ND (0.00000089)	
PCB 60	UG/L	T				ND (0.00000169) U	ND (0.0000012) U					ND (0.00000132)	
PCB 64	UG/L	T				0.0000042 J	0.000000861 U*					ND (0.000000876)	
PCB 66	UG/L	T				0.000008 J	ND (0.00000134) U					ND (0.00000123)	
PCB 68	UG/L	T				ND (0.00000163) U	ND (0.00000121) U					ND (0.00000118)	
PCB 7	UG/L	T				ND (0.00000508) U	ND (0.00000191) U					ND (0.000000909)	
PCB 77	UG/L	T	0.0052	UG/L	ND (0.0000103)	ND (0.00000188) U	ND (0.00000141) U					ND (0.00000148)	
PCB 8	UG/L	T				0.0000255 U*	0.00000249 U*					0.0000015 B	
PCB 82	UG/L	T				ND (0.00000214) U	ND (0.00000191) U					ND (0.00000123)	
PCB 84	UG/L	T				ND (0.00000182) U	ND (0.00000158) U					ND (0.00000123)	
PCB 9	UG/L	T				0.00000499	0.00000322 U*					ND (0.000000809)	
PCB 91	UG/L	T				ND (0.00000137) U	ND (0.00000111) U					ND (0.000000891)	
PCB 92	UG/L	T				ND (0.00000194) U	ND (0.00000166) U					ND (0.00000121)	
PCB 95	UG/L	T				0.000014 B	0.00000643 U*					0.00000126 B	
PCB 99	UG/L	T				0.00000631 U*	0.00000284 U*					ND (0.000000925)	
PCB-106/118	UG/L	T				ND (0.0000172)							
PCB-108/119/86/97/125/87	UG/L	T				0.00000847 J	0.00000573 U*					ND (0.00000099)	
PCB-113/90/101	UG/L	T				0.0000153 U*	0.00000751 U*					ND (0.00000111)	
PCB-116/85	UG/L	D						ND (0.00000104)		ND (0.000000905)			
PCB-116/85	UG/L	T				ND (0.00000133) U	ND (0.0000013) U					ND (0.000000938)	
PCB-128/166	UG/L	D						ND (0.00000146)		ND (0.0000012)			
PCB-128/166	UG/L	T				ND (0.00000168) U	ND (0.00000112) U					ND (0.00000106)	
PCB-147/149	UG/L	T				0.00000963 J	0.00000368 U*					0.00000177 B	
PCB-151/135	UG/L	T				0.00000497 EMPC J	ND (0.00000118) U					ND (0.00000115)	
PCB-153/168	UG/L	D						ND (0.000000696)		0.00000118 B			
PCB-153/168	UG/L	T				0.00000733 U*	0.00000273 U*					0.00000122 B	
PCB-156/157	UG/L	D						ND (0.00000147)		ND (0.00000122)			
PCB-156/157	UG/L	T				ND (0.00000195) U	ND (0.00000136) U					ND (0.00000127)	
PCB-163/138/129	UG/L	D						ND (0.000000872)		0.00000127 B			
PCB-163/138/129	UG/L	T				0.00000787 U*	0.00000379 U*					0.00000169 B	
PCB-171/173	UG/L	D						ND (0.0000013)		ND (0.00000111)			
PCB-180/193	UG/L	D						ND (0.00000105)		ND (0.000000893)			
PCB-180/193	UG/L	T				0.00000326 U*	ND (0.00000135) U					ND (0.00000107)	
PCB-198/199	UG/L	D						ND (0.00000117)		ND (0.00000108)			
PCB-198/199	UG/L	T				ND (0.00000148) U	ND (0.00000142) U					ND (0.00000116)	
PCB-21/33	UG/L	T				0.000013 U*	ND (0.00000154) U					0.00000104 B	
PCB-26/29	UG/L	T				0.000005 U*	ND (0.00000165) U					ND (0.000000965)	
PCB-28/20	UG/L	T				0.0000214 U*	ND (0.00000177) U					0.00000198 B	
PCB-30/18	UG/L	T				0.0000365 U*	0.00000265 U*					0.00000175 B	

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					5/16/06	5/16/07	8/22/07	11/13/08	11/13/08	5/29/09	10/22/09	10/22/09	10/5/10
PCB-44/47/65	UG/L	T			0.0000171 J	0.0000387 U*					0.0000279 B		
PCB-50/53	UG/L	T			0.0000349 EMPC J	ND (0.0000127) U					ND (0.0000136)		
PCB-59/62/75	UG/L	T			ND (0.0000165) U	ND (0.00000981) U					ND (0.0000098)		
PCB-61/70/74/76	UG/L	T			0.0000162 U*	0.00000452 U*					ND (0.0000132)		
PCB-69/49	UG/L	T			0.00000862 U*	0.00000257 U*					ND (0.0000011)		
PCB-71/40	UG/L	T			0.00000573 U*	ND (0.0000139) U					ND (0.00000128)		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)								
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.000105)	0.00013 J	0.0000301 U*				0.0000177 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D						ND (0.0000127)	ND (0.0000115)				
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	0.00000652 U*	ND (0.0000135) U				ND (0.0000114)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	0.0000298 EMPC J	0.0000102 U*				0.00000469 B		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D						0.00000275 EMPC	0.00000873 EMPC				
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	ND (0.00000244) U	ND (0.0000107) U				ND (0.00000632)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D						ND (0.00000315)	ND (0.00000317)				
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	ND (0.0000025) U	ND (0.00000403) U				ND (0.00000274)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D						ND (0.0000116)	ND (0.00000916)				
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	ND (0.00000111) U	ND (0.00000113) U				ND (0.00000104)		
TOTAL PCB (CONGENERS)	UG/L	T											
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	0.0000637 J	0.0000321 U*				0.00000416 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	0.0000927 EMPC J	0.0000207 U*				0.00000486 B		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000527)	0.000148 J	0.00000436 U*				0.00000829 B		
ALUMINUM	UG/L	D	16000	UG/L		ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)		ND (80.2)		
ALUMINUM	UG/L	T	16000	UG/L		ND (80.2)	ND (80.2)	95.7 J	ND (80.2)		975 J		
ANTIMONY	UG/L	D	6	UG/L		ND (9.7)	<b>^12.3 J</b>	ND (9.7)	ND (9.7)		ND (9.7)	ND (9.7)	
ARSENIC	UG/L	D	10	UG/L		ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)		ND (0.95)	ND (7.2)	ND (7.2)
ARSENIC	UG/L	T	10	UG/L		ND (9.3)	ND (0.7)	ND (0.95)	ND (0.95)		ND (0.95)	ND (1.9)	ND (1.9)
BARIUM	UG/L	D	2000	UG/L		102	95.4	89.8	90.3		88.5		
BARIUM	UG/L	T	2000	UG/L		117	99.8	88.4	94.1		98.8		
BERYLLIUM	UG/L	T	4	UG/L		ND (0.94)	ND (0.9)	ND (0.9)	ND (0.9)		0.35 J		
CADMIUM	UG/L	D	5	UG/L		ND (0.91)	ND (0.9)	ND (2)	ND (2)		ND (2)		
CADMIUM	UG/L	T	5	UG/L		ND (0.91)	ND (0.9)	ND (2)	ND (2)		ND (2)		
CALCIUM	UG/L	D				30400	28400	28300	28400		26600		
CALCIUM	UG/L	T				34500	31700	27400	26500		29400		
CHROMIUM	UG/L	D	100	UG/L		ND (2.3)	ND (2.3)	ND (3)	ND (3)		ND (3.4)		
CHROMIUM	UG/L	T	100	UG/L		ND (2.3)	ND (2.3)	ND (3)	ND (3)		4.8 J		
COBALT	UG/L	D	4.7	UG/L		<b>^9.5</b>	<b>^10.2</b>	<b>^11.1</b>	10.8 B		<b>^9.9</b>		
COBALT	UG/L	T	4.7	UG/L		<b>^11.3</b>	<b>^10.1</b>	11 B	<b>^11.1</b>		<b>^15.3</b>		
COPPER	UG/L	D	1300	UG/L		ND (2.2)	ND (2.2)	ND (2.7)	ND (2.7)		ND (2.7)		
COPPER	UG/L	T	1300	UG/L		ND (2.2)	5.7 B	ND (2.7)	ND (2.7)		5.4 J		
FERROUS IRON	UG/L	T				37500 J	38900 J	41600 B	43600 B		45500		
IRON	UG/L	D	11000	UG/L		<b>^43800</b>	<b>^43000</b>	<b>^43600</b>	<b>^43900</b>		<b>^37900</b>		
IRON	UG/L	T	11000	UG/L		<b>^42200 J</b>	<b>^52700</b>	<b>^41100</b>	<b>^40500</b>	<b>^42500</b>	<b>^42200</b>		
LEAD	UG/L	D	15	UG/L		0.074 B	0.057 J	ND (0.05)	ND (0.05)		ND (0.05)		
LEAD	UG/L	T	15	UG/L		0.12 B	0.19 J	0.27 B	0.062 B		1.1		
MAGNESIUM	UG/L	D				8220	8040	7520	7620		7350		
MAGNESIUM	UG/L	T				9490	8640	7620	7570		8030		
MANGANESE	UG/L	D	320	UG/L		<b>^488</b>	<b>^473</b>	<b>^467</b>	<b>^469</b>		<b>^474</b>	<b>^467</b>	<b>^458</b>
MANGANESE	UG/L	T	320	UG/L		<b>^439</b>	<b>^568</b>	<b>^487</b>	<b>^463</b>	<b>^489</b>	<b>^456</b>	<b>^472</b>	<b>^467</b>
MERCURY	UG/L	D	2	UG/L		0.13 J	ND (0.056)	ND (0.056)	ND (0.056)		0.091 B		
MERCURY	UG/L	T	2	UG/L		0.11 J	ND (0.056)	ND (0.056)	ND (0.056)		ND (0.056)		
NICKEL	UG/L	D	300	UG/L		9.5 J	8.4 J	9.5 J	9.4 J		10.5		
NICKEL	UG/L	T	300	UG/L		10.3	11.6	10.5	13.6		10.6		
POTASSIUM	UG/L	D				2000	1610	1990	1980		1760		
POTASSIUM	UG/L	T				2150	1980	2000	1880		1930		

FED\_MCL and EPA\_SL\_Tapwater 05/12 when MCL is not available  
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**Table A-1**  
**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09R
					5/16/06	5/16/07	8/22/07	11/13/08	11/13/08	5/29/09	10/22/09	10/22/09	10/5/10
					0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0
					FS	FS	FS	DUP	FS	FS	DUP	FS	DUP
SELENIUM	UG/L	T	50	UG/L		ND (9.4)	ND (9.4)	ND (10.7)	ND (10.7)	ND (0.99) UJ			
SILVER	UG/L	D	71	UG/L		ND (1.6)	ND (1.6)	ND (2.2)	ND (2.2)	ND (2.3)			
SODIUM	UG/L	D				18100	17900	17600	17700	16700			
SODIUM	UG/L	T				17600	22100	17700	17700	17600			
THALLIUM	UG/L	D	2	UG/L		ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (0.15)	^ND (14)	^ND (14)	
THALLIUM	UG/L	T	2	UG/L		^ND (10)	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (0.15)	^ND (14)	^ND (14)
TITANIUM	UG/L	D				ND (2.8)	ND (2.8)	ND (3.8)	ND (3.8)	ND (3.8)			
TITANIUM	UG/L	T				ND (2.8)	ND (2.8)	6.4 J	ND (3.8)	57			
VANADIUM	UG/L	D				ND (1.5)	ND (1.5)	ND (2.5)	ND (2.5)	ND (2.5)			
VANADIUM	UG/L	T				ND (1.5)	1.8 J	ND (2.5)	ND (2.5)	7.7			
ZINC	UG/L	D	4700	UG/L		9 B	15.9 J	ND (8.1)	ND (8.1)	10.3 J			
ZINC	UG/L	T	4700	UG/L		15.9 B	35.6	9.2 B	ND (8.1)	23.6			
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				95700	93700	88500	91900	92600			
AMMONIA	UG/L	T				ND (200)	ND (200)	ND (200)	ND (200)	210 J			
CHLORIDE	UG/L	T				28300	33500	29300	29700	28700			
CYANIDE	UG/L	T	200	UG/L		ND (5)	ND (5)	ND (5)	ND (5)	ND (5)			
FERRIC IRON	UG/L	T				15200	2200 J	ND (2000)	ND (2000)	ND (2000)			
NITRATE	UG/L	T	10000	UG/L		ND (40)	ND (40)	ND (40) UJ	ND (40) UJ	ND (40)			
NITRITE	UG/L	T	1000	UG/L		60 J	48 J	130	120	74			
PHOSPHORUS	UG/L	T				ND (250)	ND (250)	ND (250)	ND (250)	ND (250)			
SILICA	UG/L	T				45600	35100 J	44400	43000	36300			
SULFATE	UG/L	T				78500	69300	77200	79300	75400			
TOTAL DISSOLVED SOLIDS	UG/L	T				285000							
TOTAL HARDNESS AS CaCO3	UG/L	T						99900	97300				
TOTAL ORGANIC CARBON	UG/L	T				15700	ND (1000)	1200 J	1900	1700	1700 B		
TOTAL SUSPENDED SOLIDS	UG/L	T				3200 J	8400 B	6400 J	12400	4000 J	39200		
COLOR QUALITATIVE (FIELD)	NS	T				clear	Clear	clr	Clear	clear	clear		NS
DISSOLVED OXYGEN (FIELD)	UG/L	T				0	940	600	3290	1140	750	-2500	
ODOR (FIELD)	NS	T				none	No	no	No	none	No	NS	
OVABZONE	PPM	T				NR	NR					NS	
OVACASING	PPM	T				NR	NR					NS	
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T										NS	
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	D						ND (0.00000501)	ND (0.00000819)				
HPCDFS	UG/L	T				ND (0.00000102)	ND (0.00000139) U	ND (0.00000546) U		ND (0.00000059)			
TOTAL HPCDDS	UG/L	T				ND (0.00000203)							

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**Table A-1**  
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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09R	MW-09R	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					10/14/11	4/11/12	6/14/05	7/22/05	8/24/05	8/24/05	9/21/05	10/11/05	11/14/05
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L									
ACETONE	UG/L	T	12000	UG/L									
BENZENE	UG/L	T	5	UG/L									
CHLOROFORM	UG/L	T	80	UG/L									
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L									
TETRACHLOROETHYLENE	UG/L	T	5	UG/L									
TRICHLOROETHENE	UG/L	T	5	UG/L									
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L									
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L									
FLUORANTHENE	UG/L	T	630	UG/L									
<b>NAPHTHALENE</b>	UG/L	T	0.14	UG/L									
1,2,3,4,6,7,8-HPCDD	UG/L	D											
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.00000268)	0.00000197	ND (0.00000237)	ND (0.00000257)	0.00000137	ND (0.00000131)	0.00000999
1,2,3,4,6,7,8-HPCDF	UG/L	D											
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.00000175)	ND (0.000000833)	ND (0.000000626)	ND (0.000000661)	ND (0.000000377)	ND (0.000000591)	ND (0.000000551)
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.00000197)	ND (0.00000103)	ND (0.00000092)	ND (0.000001)	ND (0.000000381)	ND (0.0000006)	ND (0.000000629)
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.000000877)	ND (0.000000438)	ND (0.000000406)	ND (0.000000322)	ND (0.000000226)	ND (0.000000431)	ND (0.000000342)
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.000000953)	ND (0.000000549)	ND (0.000000441)	ND (0.000000371)	ND (0.000000254)	ND (0.000000483)	ND (0.00000036)
2,3,4,7,8-PECDF	UG/L	T					ND (0.00000141)	ND (0.00000104)	ND (0.000000671)	ND (0.000000702)	ND (0.000000579)	ND (0.000000848)	ND (0.00000122)
2,3,7,8-TCDF	UG/L	T					ND (0.00000137)	ND (0.00000102)	ND (0.000000694)	ND (0.00000049)	ND (0.000000409)	ND (0.000000987)	ND (0.00000101)
HPCDDS	UG/L	D											
HPCDDS	UG/L	T											
HXCDDS	UG/L	T					ND (0.00000155)	ND (0.00000116)	ND (0.00000171)	ND (0.00000105)	ND (0.000000637)	ND (0.0000019)	0.00000889
HXCDFS	UG/L	T					ND (0.00000104)	ND (0.000000574)	ND (0.000000461)	ND (0.000000385)	ND (0.000000275)	ND (0.000000516)	ND (0.000000393)
OCDD	UG/L	D											
OCDD	UG/L	T					0.0000172	0.0000343	ND (0.00001)	ND (0.0000203)	0.0000156 B	0.0000149 B	0.0000147
OCDF	UG/L	T					ND (0.00000425)	0.00000349	ND (0.00000394)	ND (0.00000315)	ND (0.00000112)	ND (0.00000376)	ND (0.00000143)
TCDDS	UG/L	T					ND (0.0000008)	ND (0.000000815)	ND (0.000000837)	ND (0.00000072)	ND (0.00000066)	ND (0.000000984)	ND (0.000000595)
TCDFS	UG/L	T					ND (0.00000137)	ND (0.00000102)	ND (0.000000694)	ND (0.00000049)	ND (0.000000409)	ND (0.000000987)	ND (0.00000101)
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T					ND (0.000000874)	ND (0.000000948)	ND (0.00000111)	ND (0.000000708)	ND (0.000000722)	ND (0.00000158)	0.00000103
TOTAL PECDF	UG/L	T											
PCB 1	UG/L	D											
PCB 1	UG/L	T											
PCB 10	UG/L	T											
PCB 105	UG/L	D	0.017	UG/L									
PCB 105	UG/L	T	0.017	UG/L			ND (0.0000171)	0.00000585 B	0.00000695	0.0000663	ND (0.000015)	ND (0.0000101)	ND (0.00000902)
PCB 109	UG/L	D											
PCB 109	UG/L	T											
PCB 11	UG/L	T											
PCB 110	UG/L	T											
PCB 117	UG/L	T											
PCB 118	UG/L	T	0.017	UG/L									
PCB 130	UG/L	D											
PCB 130	UG/L	T											
PCB 132	UG/L	D											
PCB 132	UG/L	T											
PCB 134	UG/L	T											
PCB 136	UG/L	T											
PCB 137	UG/L	D											
PCB 137	UG/L	T											

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09R	MW-09R	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					10/14/11	4/11/12	6/14/05	7/22/05	8/24/05	8/24/05	9/21/05	10/11/05	11/14/05
PCB 141	UG/L	D											
PCB 141	UG/L	T											
PCB 146	UG/L	D											
PCB 146	UG/L	T											
PCB 15	UG/L	D											
PCB 15	UG/L	T											
PCB 156	UG/L	T	0.017	UG/L			ND (0.00000766)	ND (0.00000133)	ND (0.00000131)	0.0000389	ND (0.00000349)	ND (0.00000225)	ND (0.00000339)
PCB 157	UG/L	T	0.017	UG/L			ND (0.00000814)	ND (0.00000126)	ND (0.00000142)	0.00000771	ND (0.00000376)	ND (0.0000023)	ND (0.00000355)
PCB 158	UG/L	D											
PCB 158	UG/L	T											
PCB 16	UG/L	T											
PCB 162	UG/L	T											
PCB 164	UG/L	D											
PCB 164	UG/L	T											
PCB 167	UG/L	D	0.017	UG/L									
PCB 167	UG/L	T	0.017	UG/L			ND (0.00000814)	ND (0.0000012)	ND (0.00000136)	0.0000141	ND (0.00000348)	ND (0.00000236)	ND (0.00000336)
PCB 169	UG/L	T	0.000017	UG/L			ND (0.00000976)	0.00000427 B	0.00000327 B	ND (0.00000435)	ND (0.00000712)	0.00000407 B	ND (0.00000766)
PCB 17	UG/L	T											
PCB 170	UG/L	D											
PCB 170	UG/L	T											
PCB 172	UG/L	D											
PCB 174	UG/L	D											
PCB 174	UG/L	T											
PCB 177	UG/L	D											
PCB 177	UG/L	T											
PCB 178	UG/L	D											
PCB 179	UG/L	T											
PCB 183	UG/L	D											
PCB 183	UG/L	T											
PCB 185	UG/L	D											
PCB 187	UG/L	T											
PCB 189	UG/L	T	0.017	UG/L			ND (0.00000256)	ND (0.00000143)	ND (0.0000008)	0.0000126	ND (0.0000027)	ND (0.00000292)	ND (0.00000193)
PCB 19	UG/L	T											
PCB 190	UG/L	D											
PCB 194	UG/L	D											
PCB 194	UG/L	T											
PCB 195	UG/L	D											
PCB 196	UG/L	D											
PCB 196	UG/L	T											
PCB 2	UG/L	D											
PCB 2	UG/L	T											
PCB 202	UG/L	D											
PCB 202	UG/L	T											
PCB 203	UG/L	D											
PCB 203	UG/L	T											
PCB 206	UG/L	D											
PCB 206	UG/L	T											
PCB 207	UG/L	D											
PCB 208	UG/L	D											
PCB 208	UG/L	T											
PCB 209	UG/L	D											
PCB 209	UG/L	T											
PCB 22	UG/L	T											
PCB 25	UG/L	T											

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09R	MW-09R	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					10/14/11	4/11/12	6/14/05	7/22/05	8/24/05	8/24/05	9/21/05	10/11/05	11/14/05
PCB 3	UG/L	D											
PCB 3	UG/L	T											
PCB 31	UG/L	T											
PCB 32	UG/L	T											
PCB 37	UG/L	T											
PCB 4	UG/L	D											
PCB 4	UG/L	T											
PCB 41	UG/L	T											
PCB 42	UG/L	T											
PCB 45	UG/L	T											
PCB 48	UG/L	T											
PCB 51	UG/L	T											
PCB 52	UG/L	T											
PCB 56	UG/L	T											
PCB 6	UG/L	D											
PCB 6	UG/L	T											
PCB 60	UG/L	T											
PCB 64	UG/L	T											
PCB 66	UG/L	T											
PCB 68	UG/L	T											
PCB 7	UG/L	T											
PCB 77	UG/L	T	0.0052	UG/L			ND (0.0000176)	0.00000405 B	ND (0.00000129)	0.0000117 B	0.00000898 B	0.00000298 B	ND (0.00000373)
PCB 8	UG/L	T											
PCB 82	UG/L	T											
PCB 84	UG/L	T											
PCB 9	UG/L	T											
PCB 91	UG/L	T											
PCB 92	UG/L	T											
PCB 95	UG/L	T											
PCB 99	UG/L	T											
PCB-106/118	UG/L	T					ND (0.000024)	0.00000957 B	ND (0.0000249)	0.00021	ND (0.0000125)	ND (0.000012)	0.0000155 B
PCB-108/119/86/97/125/87	UG/L	T											
PCB-113/90/101	UG/L	T											
PCB-116/85	UG/L	D											
PCB-116/85	UG/L	T											
PCB-128/166	UG/L	D											
PCB-128/166	UG/L	T											
PCB-147/149	UG/L	T											
PCB-151/135	UG/L	T											
PCB-153/168	UG/L	D											
PCB-153/168	UG/L	T											
PCB-156/157	UG/L	D											
PCB-156/157	UG/L	T											
PCB-163/138/129	UG/L	D											
PCB-163/138/129	UG/L	T											
PCB-171/173	UG/L	D											
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T											
PCB-198/199	UG/L	D											
PCB-198/199	UG/L	T											
PCB-21/33	UG/L	T											
PCB-26/29	UG/L	T											
PCB-28/20	UG/L	T											
PCB-30/18	UG/L	T											

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 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09R	MW-09R	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					10/14/11	4/11/12	6/14/05	7/22/05	8/24/05	8/24/05	9/21/05	10/11/05	11/14/05
PCB-44/47/65	UG/L	T											
PCB-50/53	UG/L	T											
PCB-59/62/75	UG/L	T											
PCB-61/70/74/76	UG/L	T											
PCB-69/49	UG/L	T											
PCB-71/40	UG/L	T											
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000502)	ND (0.0000528)	ND (0.0000246)	ND (0.0000247)	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000879	ND (0.0000528)	0.00089	0.000833	ND (0.0000503)	ND (0.0000501)	ND (0.0000497)
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000502)	ND (0.0000528)	ND (0.0000246)	0.00593	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000502)	ND (0.0000528)	ND (0.0000246)	0.00455	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000251)	ND (0.0000264)	0.0000689 B	0.000148 B	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000502)	ND (0.0000528)	ND (0.0000246)	0.000124	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000502)	ND (0.0000528)	ND (0.0000246)	0.00196	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
TOTAL PCB (CONGENERS)	UG/L	T					0.000291	0.000122 B	0.00139	0.0164	0.00000898 B	0.00000704 B	0.000258 B
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000502)	ND (0.0000528)	ND (0.0000246)	0.00146	ND (0.0000252)	ND (0.000025)	0.00014 B
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000104	0.000103 B	0.0000531	0.000784	ND (0.0000252)	ND (0.000025)	0.000118 B
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000995	ND (0.0000264)	0.000363	0.000565	ND (0.0000252)	ND (0.000025)	ND (0.0000249)
ALUMINUM	UG/L	D	16000	UG/L									
ALUMINUM	UG/L	T	16000	UG/L									
ANTIMONY	UG/L	D	6	UG/L									
ARSENIC	UG/L	D	10	UG/L									
ARSENIC	UG/L	T	10	UG/L	ND (0.95)	ND (0.95)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
BARIUM	UG/L	D	2000	UG/L									
BARIUM	UG/L	T	2000	UG/L									
BERYLLIUM	UG/L	T	4	UG/L									
CADMIUM	UG/L	D	5	UG/L									
CADMIUM	UG/L	T	5	UG/L									
CALCIUM	UG/L	D											
CALCIUM	UG/L	T											
CHROMIUM	UG/L	D	100	UG/L									
CHROMIUM	UG/L	T	100	UG/L									
COBALT	UG/L	D	4.7	UG/L									
COBALT	UG/L	T	4.7	UG/L									
COPPER	UG/L	D	1300	UG/L									
COPPER	UG/L	T	1300	UG/L									
FERROUS IRON	UG/L	T											
IRON	UG/L	D	11000	UG/L									
IRON	UG/L	T	11000	UG/L									
LEAD	UG/L	D	15	UG/L									
LEAD	UG/L	T	15	UG/L			ND (8.4)				ND (8.4)		
MAGNESIUM	UG/L	D											
MAGNESIUM	UG/L	T											
MANGANESE	UG/L	D	320	UG/L									
MANGANESE	UG/L	T	320	UG/L	149	127	^1370	^1290	^1310	^1290	^1370	^1370	^1030
MERCURY	UG/L	D	2	UG/L									
MERCURY	UG/L	T	2	UG/L									
NICKEL	UG/L	D	300	UG/L									
NICKEL	UG/L	T	300	UG/L									
POTASSIUM	UG/L	D											
POTASSIUM	UG/L	T											

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**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-09R	MW-09R	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					10/14/11	4/11/12	6/14/05	7/22/05	8/24/05	8/24/05	9/21/05	10/11/05	11/14/05
SELENIUM	UG/L	T	50	UG/L									
SILVER	UG/L	D	71	UG/L									
SODIUM	UG/L	D											
SODIUM	UG/L	T											
THALLIUM	UG/L	D	2	UG/L									
THALLIUM	UG/L	T	2	UG/L	ND (0.15)	ND (0.15)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)
TITANIUM	UG/L	D											
TITANIUM	UG/L	T											
VANADIUM	UG/L	D											
VANADIUM	UG/L	T											
ZINC	UG/L	D	4700	UG/L									
ZINC	UG/L	T	4700	UG/L									
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											
AMMONIA	UG/L	T											
CHLORIDE	UG/L	T											
CYANIDE	UG/L	T	200	UG/L									
FERRIC IRON	UG/L	T											
NITRATE	UG/L	T	10000	UG/L									
NITRITE	UG/L	T	1000	UG/L									
PHOSPHORUS	UG/L	T											
SILICA	UG/L	T											
SULFATE	UG/L	T											
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T											
TOTAL SUSPENDED SOLIDS	UG/L	T											
COLOR QUALITATIVE (FIELD)	NS	T			clear		lt tan	lt. orange		lt tan	brown	orange	orange
DISSOLVED OXYGEN (FIELD)	UG/L	T			400		320	1100		480	0	0	0
ODOR (FIELD)	NS	T			none		none	none		none	none	none	none
OVABZONE	PPM	T					NR	NR		NR	NR	NR	NR
OVACASING	PPM	T					NR	NR		NR	NR	NR	NR
REDOX (FIELD)	MV	T						N/A		NR		NR	NR
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T					low						
HPCDFS	UG/L	D											
HPCDFS	UG/L	T					ND (0.00000185)	ND (0.000000917)	ND (0.00000076)	ND (0.000000818)	ND (0.000000378)	ND (0.000000595)	ND (0.000000586)
TOTAL HPCDDS	UG/L	T					ND (0.00000268)	0.00000408	ND (0.00000237)	ND (0.00000257)	0.00000137	0.00000131	0.0000117

FED\_MCL and EPA\_SL\_Tapwater 05/12 when MCL is not available  
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**Table A-1**  
**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					12/19/05	1/19/06	1/19/06	2/15/06	2/15/06	3/21/06	3/21/06	4/11/06
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L								
ACETONE	UG/L	T	12000	UG/L								
BENZENE	UG/L	T	5	UG/L								
CHLOROFORM	UG/L	T	80	UG/L								
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L								
TETRACHLOROETHYLENE	UG/L	T	5	UG/L								
TRICHLOROETHENE	UG/L	T	5	UG/L								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L								
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L								
FLUORANTHENE	UG/L	T	630	UG/L								
<b>NAPHTHALENE</b>	UG/L	T	0.14	UG/L								
1,2,3,4,6,7,8-HPCDD	UG/L	D										
1,2,3,4,6,7,8-HPCDD	UG/L	T			0.00000629	0.0000024	0.00000392	0.00000714	0.00000455	ND (0.00000232)	ND (0.00000229)	0.00000237 B
1,2,3,4,6,7,8-HPCDF	UG/L	D										
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000112)	ND (0.00000085)	ND (0.000000918)	ND (0.00000141)	ND (0.00000106)	ND (0.00000097)	ND (0.000000583)	ND (0.000000224)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.000000913)	ND (0.000000859)	ND (0.000000863)	ND (0.00000144)	ND (0.00000119)	ND (0.000000508)	ND (0.000000658)	ND (0.000000213)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000638)	ND (0.000000642)	ND (0.000000443)	ND (0.000000498)	ND (0.000000538)	ND (0.00000024)	ND (0.000000241)	ND (0.00000011)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000735)	ND (0.000000682)	ND (0.000000492)	ND (0.000000523)	ND (0.00000057)	ND (0.000000263)	ND (0.000000272)	ND (0.000000121)
2,3,4,7,8-PECDF	UG/L	T			ND (0.00000128)	ND (0.000000909)	ND (0.00000109)	ND (0.00000221)	ND (0.00000219)	ND (0.000000353)	ND (0.000000496)	ND (0.000000177)
2,3,7,8-TCDF	UG/L	T			ND (0.00000096)	ND (0.00000128)	ND (0.00000071)	ND (0.00000141)	ND (0.0000017)	ND (0.000000319)	ND (0.000000349)	ND (0.000000224)
HPCDDS	UG/L	D										
HPCDDS	UG/L	T										
HXCDDS	UG/L	T			0.00000201	ND (0.00000118)	ND (0.00000139)	ND (0.0000014)	ND (0.00000253)	ND (0.00000239)	0.00000119	0.00000115
HXCDFS	UG/L	T			ND (0.000000779)	ND (0.000000721)	ND (0.000000514)	ND (0.000000579)	ND (0.000000632)	ND (0.000000279)	ND (0.00000054)	ND (0.000000128)
OCDD	UG/L	D										
OCDD	UG/L	T			0.0000283 B	0.0000381 B	0.0000503 B	0.000097	0.0000624	0.0000235	0.000024	0.0000135 B
OCDF	UG/L	T			0.00000418	0.00000252	0.00000371	0.00000627	0.00000385	0.00000219	0.0000139	0.00000263 B
TCDDS	UG/L	T			ND (0.00000113)	ND (0.000000637)	ND (0.000000834)	ND (0.00000149)	ND (0.00000152)	ND (0.000000554)	ND (0.000000674)	ND (0.000000254)
TCDFS	UG/L	T			ND (0.00000096)	ND (0.00000128)	ND (0.00000071)	ND (0.00000141)	ND (0.0000017)	ND (0.000000319)	ND (0.000000443)	ND (0.000000224)
TOTAL HPCDD	UG/L	T										
TOTAL HPCDF	UG/L	T										
TOTAL HXCDD	UG/L	T										
TOTAL PECDD	UG/L	T										
TOTAL PECDDS	UG/L	T			ND (0.00000109)	ND (0.00000111)	ND (0.00000104)	ND (0.00000164)	ND (0.00000239)	ND (0.00000048)	ND (0.000000995)	ND (0.000000244)
TOTAL PECDF	UG/L	T										
PCB 1	UG/L	D										
PCB 1	UG/L	T										
PCB 10	UG/L	T										
PCB 105	UG/L	D	0.017	UG/L								
PCB 105	UG/L	T	0.017	UG/L	ND (0.0000151)	ND (0.0000116)	ND (0.0000111)	ND (0.0000148)	ND (0.0000152)	ND (0.0000161)	ND (0.0000101)	ND (0.00000463)
PCB 109	UG/L	D										
PCB 109	UG/L	T										
PCB 11	UG/L	T										
PCB 110	UG/L	T										
PCB 117	UG/L	T										
PCB 118	UG/L	T	0.017	UG/L								
PCB 130	UG/L	D										
PCB 130	UG/L	T										
PCB 132	UG/L	D										
PCB 132	UG/L	T										
PCB 134	UG/L	T										
PCB 136	UG/L	T										
PCB 137	UG/L	D										
PCB 137	UG/L	T										

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**Table A-1**  
**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					12/19/05	1/19/06	1/19/06	2/15/06	2/15/06	3/21/06	3/21/06	4/11/06
					0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0
					FS	DUP	FS	DUP	FS	DUP	FS	DUP
PCB 141	UG/L	D										
PCB 141	UG/L	T										
PCB 146	UG/L	D										
PCB 146	UG/L	T										
PCB 15	UG/L	D										
PCB 15	UG/L	T										
PCB 156	UG/L	T	0.017	UG/L	ND (0.00000407)	ND (0.00000246)	ND (0.00000339)	ND (0.00000641)	ND (0.00000514)	ND (0.00000285)	ND (0.0000035)	ND (0.00000384)
PCB 157	UG/L	T	0.017	UG/L	ND (0.00000428)	ND (0.0000026)	ND (0.00000334)	ND (0.00000698)	ND (0.00000552)	ND (0.00000273)	ND (0.00000369)	ND (0.00000247)
PCB 158	UG/L	D										
PCB 158	UG/L	T										
PCB 16	UG/L	T										
PCB 162	UG/L	T										
PCB 164	UG/L	D										
PCB 164	UG/L	T										
PCB 167	UG/L	D	0.017	UG/L								
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000405)	ND (0.00000244)	ND (0.00000342)	ND (0.00000642)	ND (0.00000509)	ND (0.00000306)	ND (0.00000391)	ND (0.00000294)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000534)	0.00000345	ND (0.00000444)	ND (0.00000809)	ND (0.00000629)	ND (0.00000524)	ND (0.00000388)	^ND (0.00000519)
PCB 17	UG/L	T										
PCB 170	UG/L	D										
PCB 170	UG/L	T										
PCB 172	UG/L	D										
PCB 174	UG/L	D										
PCB 174	UG/L	T										
PCB 177	UG/L	D										
PCB 177	UG/L	T										
PCB 178	UG/L	D										
PCB 179	UG/L	T										
PCB 183	UG/L	D										
PCB 183	UG/L	T										
PCB 185	UG/L	D										
PCB 187	UG/L	T										
PCB 189	UG/L	T	0.017	UG/L	ND (0.00000177)	ND (0.00000179)	ND (0.00000248)	ND (0.00000369)	ND (0.00000228)	ND (0.0000013)	ND (0.00000106)	ND (0.00000102)
PCB 19	UG/L	T										
PCB 190	UG/L	D										
PCB 194	UG/L	D										
PCB 194	UG/L	T										
PCB 195	UG/L	D										
PCB 196	UG/L	D										
PCB 196	UG/L	T										
PCB 2	UG/L	D										
PCB 2	UG/L	T										
PCB 202	UG/L	D										
PCB 202	UG/L	T										
PCB 203	UG/L	D										
PCB 203	UG/L	T										
PCB 206	UG/L	D										
PCB 206	UG/L	T										
PCB 207	UG/L	D										
PCB 208	UG/L	D										
PCB 208	UG/L	T										
PCB 209	UG/L	D										
PCB 209	UG/L	T										
PCB 22	UG/L	T										
PCB 25	UG/L	T										

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	
					12/19/05	1/19/06	1/19/06	2/15/06	2/15/06	3/21/06	3/21/06	4/11/06
PCB 3	UG/L	D										
PCB 3	UG/L	T										
PCB 31	UG/L	T										
PCB 32	UG/L	T										
PCB 37	UG/L	T										
PCB 4	UG/L	D										
PCB 4	UG/L	T										
PCB 41	UG/L	T										
PCB 42	UG/L	T										
PCB 45	UG/L	T										
PCB 48	UG/L	T										
PCB 51	UG/L	T										
PCB 52	UG/L	T										
PCB 56	UG/L	T										
PCB 6	UG/L	D										
PCB 6	UG/L	T										
PCB 60	UG/L	T										
PCB 64	UG/L	T										
PCB 66	UG/L	T										
PCB 68	UG/L	T										
PCB 7	UG/L	T										
PCB 77	UG/L	T	0.0052	UG/L	ND (0.0000044)	ND (0.00000376)	ND (0.00000324)	ND (0.00000527)	ND (0.00000696)	ND (0.00000467)	ND (0.00000553)	ND (0.00000311)
PCB 8	UG/L	T										
PCB 82	UG/L	T										
PCB 84	UG/L	T										
PCB 9	UG/L	T										
PCB 91	UG/L	T										
PCB 92	UG/L	T										
PCB 95	UG/L	T										
PCB 99	UG/L	T										
PCB-106/118	UG/L	T			ND (0.0000146)	ND (0.0000125)	ND (0.0000131)	ND (0.0000201)	ND (0.0000182)	ND (0.0000131)	ND (0.0000127)	ND (0.0000519)
PCB-108/119/86/97/125/87	UG/L	T										
PCB-113/90/101	UG/L	T										
PCB-116/85	UG/L	D										
PCB-116/85	UG/L	T										
PCB-128/166	UG/L	D										
PCB-128/166	UG/L	T										
PCB-147/149	UG/L	T										
PCB-151/135	UG/L	T										
PCB-153/168	UG/L	D										
PCB-153/168	UG/L	T										
PCB-156/157	UG/L	D										
PCB-156/157	UG/L	T										
PCB-163/138/129	UG/L	D										
PCB-163/138/129	UG/L	T										
PCB-171/173	UG/L	D										
PCB-180/193	UG/L	D										
PCB-180/193	UG/L	T										
PCB-198/199	UG/L	D										
PCB-198/199	UG/L	T										
PCB-21/33	UG/L	T										
PCB-26/29	UG/L	T										
PCB-28/20	UG/L	T										
PCB-30/18	UG/L	T										

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**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					12/19/05	1/19/06	1/19/06	2/15/06	2/15/06	3/21/06	3/21/06	4/11/06
PCB-44/47/65	UG/L	T										
PCB-50/53	UG/L	T										
PCB-59/62/75	UG/L	T										
PCB-61/70/74/76	UG/L	T										
PCB-69/49	UG/L	T										
PCB-71/40	UG/L	T										
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	ND (0.0000245)	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000504)	ND (0.0000495)	ND (0.0000494)	ND (0.000049)	ND (0.0000492)	ND (0.0000501)	ND (0.0000502)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	0.0000512	ND (0.0000247)	ND (0.0000245)	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	0.000067	ND (0.0000247)	0.0000249	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	0.0000518 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	ND (0.0000245)	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	ND (0.0000245)	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	ND (0.0000245)	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	
TOTAL PCB (CONGENERS)	UG/L	T				0.000118 B		0.000107 B	0.0000271 B	0.000232 B		0.0000152 B
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	0.0000288	ND (0.0000246)	ND (0.0000251)	ND (0.0000251)	0.0000101 B
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	0.0000538 B	0.0000271 B	0.000203 B	ND (0.0000251)	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000252)	ND (0.0000247)	ND (0.0000247)	ND (0.0000245)	ND (0.0000246)	0.0000285 B	ND (0.0000251)	
ALUMINUM	UG/L	D	16000	UG/L								
ALUMINUM	UG/L	T	16000	UG/L								
ANTIMONY	UG/L	D	6	UG/L								
ARSENIC	UG/L	D	10	UG/L								
ARSENIC	UG/L	T	10	UG/L	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
BARIUM	UG/L	D	2000	UG/L								
BARIUM	UG/L	T	2000	UG/L								
BERYLLIUM	UG/L	T	4	UG/L								
CADMIUM	UG/L	D	5	UG/L								
CADMIUM	UG/L	T	5	UG/L								
CALCIUM	UG/L	D										
CALCIUM	UG/L	T										
CHROMIUM	UG/L	D	100	UG/L								
CHROMIUM	UG/L	T	100	UG/L								
COBALT	UG/L	D	4.7	UG/L								
COBALT	UG/L	T	4.7	UG/L								
COPPER	UG/L	D	1300	UG/L								
COPPER	UG/L	T	1300	UG/L								
FERROUS IRON	UG/L	T										
IRON	UG/L	D	11000	UG/L								
IRON	UG/L	T	11000	UG/L	1880	2420 B	1280 B	^18600	^20200	1360 J	1680 J	380 B
LEAD	UG/L	D	15	UG/L								
LEAD	UG/L	T	15	UG/L								
MAGNESIUM	UG/L	D										
MAGNESIUM	UG/L	T										
MANGANESE	UG/L	D	320	UG/L								
MANGANESE	UG/L	T	320	UG/L	^870	315	317	^654	^651 ^693 ^721 ^771			
MERCURY	UG/L	D	2	UG/L								
MERCURY	UG/L	T	2	UG/L								
NICKEL	UG/L	D	300	UG/L								
NICKEL	UG/L	T	300	UG/L								
POTASSIUM	UG/L	D										
POTASSIUM	UG/L	T										

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					12/19/05	1/19/06	1/19/06	2/15/06	2/15/06	3/21/06	3/21/06
SELENIUM	UG/L	T	50	UG/L	0	0	0	0	0	0	0
SILVER	UG/L	D	71	UG/L							
SODIUM	UG/L	D									
SODIUM	UG/L	T									
THALLIUM	UG/L	D	2	UG/L							
THALLIUM	UG/L	T	2	UG/L	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^ND (10)	^62.5
TITANIUM	UG/L	D									
TITANIUM	UG/L	T									
VANADIUM	UG/L	D									
VANADIUM	UG/L	T									
ZINC	UG/L	D	4700	UG/L							
ZINC	UG/L	T	4700	UG/L							
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T									
AMMONIA	UG/L	T									
CHLORIDE	UG/L	T									
CYANIDE	UG/L	T	200	UG/L							
FERRIC IRON	UG/L	T									
NITRATE	UG/L	T	10000	UG/L							
NITRITE	UG/L	T	1000	UG/L							
PHOSPHORUS	UG/L	T									
SILICA	UG/L	T									
SULFATE	UG/L	T									
TOTAL DISSOLVED SOLIDS	UG/L	T					1420000 J	1150000 J	2030000 J	2040000 J	1800000
TOTAL HARDNESS AS CaCO3	UG/L	T									
TOTAL ORGANIC CARBON	UG/L	T			1600 B	2600 B	2600 B	2100	2500	1500 J	1400 J
TOTAL SUSPENDED SOLIDS	UG/L	T			60400	16400	15200 B	275000	266000	25600	32000
COLOR QUALITATIVE (FIELD)	NS	T			lt brn		brown		clear		brown
DISSOLVED OXYGEN (FIELD)	UG/L	T			0		2590		0		0
ODOR (FIELD)	NS	T			none		none	none none			
OVABZONE	PPM	T			NR		NR	NR NR			
OVACASING	PPM	T			NR		NR	NR NR			
REDOX (FIELD)	MV	T					NR				
TOTAL WELL DEPTH	Feet	T									
TURBIDITY QUANTITATIVE (FIELD)	NTU	T									
HPCDFS	UG/L	D									
HPCDFS	UG/L	T			ND (0.0000027)	ND (0.000000854)	ND (0.000000892)	ND (0.00000142)	ND (0.00000112)	ND (0.00000103)	ND (0.000000618)
TOTAL HPCDDS	UG/L	T			0.00000629	0.00000514	0.00000726	0.0000129	0.000008	0.00000122	ND (0.00000229)

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**Summary of Groundwater Analytical Results (Shallow Interior Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					4/11/06	5/16/06	5/16/06	5/16/07	8/22/07	11/13/08	5/29/09
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
ACETONE	UG/L	T	12000	UG/L				ND (6)	ND (6)	ND (6)	ND (6)
BENZENE	UG/L	T	5	UG/L				ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
CHLOROFORM	UG/L	T	80	UG/L				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
TETRACHLOROETHYLENE	UG/L	T	5	UG/L				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
TRICHLOROETHENE	UG/L	T	5	UG/L				ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L				ND (2)	ND (2)	2 J	ND (2)
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L				ND (2)	ND (2)	ND (2)	ND (2)
FLUORANTHENE	UG/L	T	630	UG/L				ND (0.9)	ND (1)	0.026 J	ND (0.02)
NAPHTHALENE	UG/L	T	0.14	UG/L				^2 J	^ND (1)	^ND (0.98)	^ND (0.98)
1,2,3,4,6,7,8-HPCDD	UG/L	D								0.00000897 EMPC J	
1,2,3,4,6,7,8-HPCDD	UG/L	T			0.00000207 B	ND (0.00000153)	ND (0.00000166)	0.0000092 J	ND (0.00000191) U		0.00000448 J
1,2,3,4,6,7,8-HPCDF	UG/L	D								0.00000223 EMPC J	
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.000000952)	ND (0.00000133)	ND (0.00000132)	ND (0.000000792) U	ND (0.000000385) U		0.000000831 J
1,2,3,4,7,8,9-HPCDF	UG/L	T			0.000000737	ND (0.00000132)	ND (0.00000133)	ND (0.00000124) U	ND (0.000000682) U		ND (0.000000715)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000213)	ND (0.000000737)	ND (0.000000704)	ND (0.000000388) U	ND (0.00000029) U		ND (0.000000318)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000235)	ND (0.000000876)	ND (0.000000904)	ND (0.000000491) U	ND (0.000000338) U		ND (0.000000352)
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000218)	ND (0.000000931)	ND (0.000000757)	ND (0.000000885) U	ND (0.000000604) U		ND (0.000000436)
2,3,7,8-TCDF	UG/L	T			ND (0.000000361)	ND (0.00000134)	ND (0.00000016)	ND (0.000000597) U	ND (0.000000524) U		ND (0.000000447)
HPCDDS	UG/L	D								0.0000186 EMPC	
HPCDDS	UG/L	T						0.0000217 J	ND (0.00000191) U		0.00000916
HXCDDS	UG/L	T			ND (0.000000359)	ND (0.00000141)	ND (0.00000133)	ND (0.00000138) U	ND (0.000000517) U		0.000000781 EMPC
HXCDFS	UG/L	T			ND (0.000000025)	ND (0.000000882)	ND (0.000000915)	ND (0.000000475) U	ND (0.000000325) U		0.000000476 EMPC
OCDD	UG/L	D								0.000183	
OCDD	UG/L	T			0.0000179 B	0.00000505	0.00000755	0.000118	0.00000707 J		0.000108
OCDF	UG/L	T			0.00000321 B	0.00000663	ND (0.0000025)	0.00000714 EMPC J	ND (0.00000206) U		ND (0.00000204)
TCDDS	UG/L	T			ND (0.000000333)	ND (0.00000117)	ND (0.00000134)	ND (0.000000963) U	0.00000078 U*		0.000000673 B
TCDFS	UG/L	T			ND (0.000000361)	ND (0.00000134)	ND (0.00000016)	ND (0.000000597) U	ND (0.000000524) U		ND (0.000000447)
TOTAL HPCDD	UG/L	T									
TOTAL HPCDF	UG/L	T									
TOTAL HXCDD	UG/L	T									
TOTAL PECDD	UG/L	T									
TOTAL PECDDS	UG/L	T			ND (0.000000386)	ND (0.00000119)	ND (0.00000125)	ND (0.00000863) U	ND (0.000000564) U		ND (0.000000694)
TOTAL PECDF	UG/L	T									
PCB 1	UG/L	D								0.00000281	
PCB 1	UG/L	T						ND (0.00000192) U	0.0000112		ND (0.000000736)
PCB 10	UG/L	T						ND (0.00000372) U	ND (0.00000147) U		0.000000594
PCB 105	UG/L	D	0.017	UG/L						0.00000845	
PCB 105	UG/L	T	0.017	UG/L	ND (0.00000583)	ND (0.0000143)	ND (0.0000113)	ND (0.00000158) U	0.00000191 U*		0.00000239 B
PCB 109	UG/L	D								0.00000184	
PCB 109	UG/L	T						ND (0.00000132) U	ND (0.000000955) U		ND (0.000000728)
PCB 11	UG/L	T						0.00000513 U*	0.00000097 U*		0.0000167 B
PCB 110	UG/L	T						0.00000077 U*	0.00000561 U*		0.0000076 B
PCB 117	UG/L	T						ND (0.000002) U	ND (0.00000116) U		ND (0.000000967)
PCB 118	UG/L	T	0.017	UG/L				0.00000567 U*	0.00000337 U*		0.00000596 B
PCB 130	UG/L	D								0.00000321	
PCB 130	UG/L	T						ND (0.00000185) U	ND (0.00000157) U		ND (0.00000111)
PCB 132	UG/L	D								0.00000762 EMPC	
PCB 132	UG/L	T						ND (0.00000156) U	ND (0.0000013) U		0.00000342 B
PCB 134	UG/L	T						ND (0.00000214) U	ND (0.0000017) U		ND (0.00000112)
PCB 136	UG/L	T						ND (0.00000122) U	ND (0.00000106) U		0.00000147 B
PCB 137	UG/L	D								0.00000319	
PCB 137	UG/L	T						ND (0.00000134) U	ND (0.0000011) U		ND (0.000000822)

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 Risk Analysis  
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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					4/11/06	5/16/06	5/16/06	5/16/07	8/22/07	11/13/08	5/29/09
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS
PCB 141	UG/L	D								0.000018	
PCB 141	UG/L	T						ND (0.00000141) U	ND (0.00000124) U		0.00000313 B
PCB 146	UG/L	D								0.00000754 EMPC	
PCB 146	UG/L	T						ND (0.00000158) U	ND (0.00000126) U		0.00000162 B
PCB 15	UG/L	D								0.00000163	
PCB 15	UG/L	T						ND (0.00000568) U	ND (0.00000264) U		0.00000163 B
PCB 156	UG/L	T	0.017	UG/L	ND (0.00000454)	ND (0.00000951)	ND (0.0000067)				
PCB 157	UG/L	T	0.017	UG/L	ND (0.00000617)	ND (0.00000996)	ND (0.00000682)				
PCB 158	UG/L	D								0.00000391	
PCB 158	UG/L	T						ND (0.00000125) U	ND (0.00000103) U		0.00000127 B
PCB 16	UG/L	T						ND (0.00000285) U	ND (0.000002) U		ND (0.000000924)
PCB 162	UG/L	T						ND (0.00000173) U	ND (0.0000011) U		ND (0.000000776)
PCB 164	UG/L	D								0.00000224 EMPC	
PCB 164	UG/L	T						ND (0.0000011) U	ND (0.000000922) U		0.00000123 EMPC
PCB 167	UG/L	D	0.017	UG/L						0.00000374 J	
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000231)	ND (0.00000949)	ND (0.00000666)	ND (0.0000018) U	ND (0.00000117) U		ND (0.000000891)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000655)	ND (0.0000117)	ND (0.00000913)	ND (0.00000232) U	ND (0.00000245) U		ND (0.00000103)
PCB 17	UG/L	T						0.00000324 U*	ND (0.00000138) U		ND (0.000000807)
PCB 170	UG/L	D								0.0000168	
PCB 170	UG/L	T						ND (0.00000213) U	ND (0.00000129) U		0.00000533 B
PCB 172	UG/L	D								0.00000417	
PCB 174	UG/L	D								0.0000135	
PCB 174	UG/L	T						ND (0.00000209) U	ND (0.00000143) U		0.0000041 B
PCB 177	UG/L	D								0.00000933	
PCB 177	UG/L	T						ND (0.00000221) U	ND (0.00000156) U		0.00000247 B
PCB 178	UG/L	D								0.00000405	
PCB 179	UG/L	T						ND (0.00000131) U	ND (0.000000885) U		0.00000175 B
PCB 183	UG/L	D								0.00000541	
PCB 183	UG/L	T						ND (0.00000162) U	ND (0.00000114) U		0.00000217 B
PCB 185	UG/L	D								0.00000147 EMPC	
PCB 187	UG/L	T						0.0000044 U*	ND (0.00000134) U		0.00000547 B
PCB 189	UG/L	T	0.017	UG/L	ND (0.00000103)	ND (0.00000293)	ND (0.00000263)	ND (0.00000191) U	ND (0.000000881) U		ND (0.00000107)
PCB 19	UG/L	T						ND (0.00000231) U	ND (0.00000161) U		0.00000129 B
PCB 190	UG/L	D								0.0000037	
PCB 194	UG/L	D								0.0000111 EMPC	
PCB 194	UG/L	T						0.0000035 J	ND (0.00000124) U		0.00000374 B
PCB 195	UG/L	D								0.00000394	
PCB 196	UG/L	D								0.0000032 EMPC	
PCB 196	UG/L	T						ND (0.00000123) U	ND (0.00000123) U		ND (0.00000126)
PCB 2	UG/L	D								ND (0.000000852)	
PCB 2	UG/L	T						ND (0.00000198) U	0.00000654 EMPC		ND (0.000000701)
PCB 202	UG/L	D								0.00000363	
PCB 202	UG/L	T						ND (0.00000102) U	ND (0.00000109) U		0.00000176
PCB 203	UG/L	D								0.00000615	
PCB 203	UG/L	T						ND (0.0000013) U	ND (0.00000131) U		0.00000258
PCB 206	UG/L	D								0.0000125 EMPC	
PCB 206	UG/L	T						ND (0.00000339) U	ND (0.00000336) U		0.00000456
PCB 207	UG/L	D								0.00000365	
PCB 208	UG/L	D								0.00000545	
PCB 208	UG/L	T						ND (0.00000255) U	ND (0.00000228) U		0.0000027
PCB 209	UG/L	D								0.000051	
PCB 209	UG/L	T						0.00000893	ND (0.00000134) U		0.0000086
PCB 22	UG/L	T						0.0000027 J	ND (0.00000156) U		ND (0.000000844)
PCB 25	UG/L	T						ND (0.00000164) U	ND (0.00000138) U		ND (0.000000765)

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					4/11/06	5/16/06	5/16/06	5/16/07	8/22/07	11/13/08	5/29/09
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS
PCB 3	UG/L	D								0.00000226	EMPC
PCB 3	UG/L	T							ND (0.00000194)	U	0.00000746
PCB 31	UG/L	T							0.00000715	U*	ND (0.00000127)
PCB 32	UG/L	T							0.00000246	U*	ND (0.000000993)
PCB 37	UG/L	T							ND (0.00000202)	U	ND (0.00000165)
PCB 4	UG/L	D								0.00000513	
PCB 4	UG/L	T							0.00000666	U*	0.00000284
PCB 41	UG/L	T							ND (0.00000253)	U	ND (0.00000123)
PCB 42	UG/L	T							ND (0.0000027)	U	ND (0.00000141)
PCB 45	UG/L	T							ND (0.00000251)	U	ND (0.00000115)
PCB 48	UG/L	T							ND (0.00000218)	U	ND (0.00000109)
PCB 51	UG/L	T							ND (0.00000219)	U	ND (0.00000117)
PCB 52	UG/L	T							0.00000913	U*	0.00000837
PCB 56	UG/L	T							ND (0.00000226)	U	ND (0.00000121)
PCB 6	UG/L	D								ND (0.00000169)	
PCB 6	UG/L	T							ND (0.00000549)	U	ND (0.00000248)
PCB 60	UG/L	T							ND (0.00000197)	U	ND (0.00000106)
PCB 64	UG/L	T							ND (0.00000146)	U	ND (0.000000742)
PCB 66	UG/L	T							ND (0.00000209)	U	ND (0.00000119)
PCB 68	UG/L	T							ND (0.00000189)	U	ND (0.00000107)
PCB 7	UG/L	T							ND (0.00000485)	U	ND (0.0000022)
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000509)	ND (0.0000082)	ND (0.00000848)		ND (0.00000221)	U	ND (0.00000134)
PCB 8	UG/L	T							0.00000972	U*	ND (0.00000247)
PCB 82	UG/L	T							ND (0.00000243)	U	ND (0.00000182)
PCB 84	UG/L	T							ND (0.00000207)	U	ND (0.00000151)
PCB 9	UG/L	T							ND (0.00000538)	U	0.000004
PCB 91	UG/L	T							ND (0.00000155)	U	ND (0.00000107)
PCB 92	UG/L	T							ND (0.00000221)	U	ND (0.00000158)
PCB 95	UG/L	T							0.00000611	U*	0.00000499
PCB 99	UG/L	T							ND (0.00000184)	U	0.00000232
PCB-106/118	UG/L	T			ND (0.00000649)	ND (0.0000161)	ND (0.0000125)				
PCB-108/119/86/97/125/87	UG/L	T							0.00000519	EMPC	J
PCB-113/90/101	UG/L	T							0.00000785	U*	0.00000707
PCB-116/85	UG/L	D								0.00000451	
PCB-116/85	UG/L	T							ND (0.00000152)	U	ND (0.00000124)
PCB-128/166	UG/L	D								0.00000868	
PCB-128/166	UG/L	T							ND (0.00000196)	U	ND (0.00000128)
PCB-147/149	UG/L	T							0.00000595	U*	0.00000335
PCB-151/135	UG/L	T							ND (0.00000166)	U	ND (0.00000133)
PCB-153/168	UG/L	D								0.00000546	
PCB-153/168	UG/L	T							0.00000523	U*	0.00000362
PCB-156/157	UG/L	D								0.0000077	J
PCB-156/157	UG/L	T							ND (0.00000184)	U	ND (0.00000154)
PCB-163/138/129	UG/L	D								0.00000572	
PCB-163/138/129	UG/L	T							0.00000906	U*	0.00000519
PCB-171/173	UG/L	D								0.00000425	
PCB-180/193	UG/L	D								0.00000384	
PCB-180/193	UG/L	T							0.00000559	U*	0.00000319
PCB-198/199	UG/L	D								0.0000121	
PCB-198/199	UG/L	T							0.00000238	U*	ND (0.0000015)
PCB-21/33	UG/L	T							0.00000479	U*	ND (0.00000133)
PCB-26/29	UG/L	T							ND (0.0000017)	U	ND (0.00000142)
PCB-28/20	UG/L	T							0.00000918	U*	0.00000281
PCB-30/18	UG/L	T							0.0000115	U*	0.00000248

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					4/11/06	5/16/06	5/16/06	5/16/07	8/22/07	11/13/08	5/29/09
PCB-44/47/65	UG/L	T			0	0	0	0	0	0	0
PCB-50/53	UG/L	T			0	0	0	0	0	0	0
PCB-59/62/75	UG/L	T			0	0	0	0	0	0	0
PCB-61/70/74/76	UG/L	T			0	0	0	0	0	0	0
PCB-69/49	UG/L	T			0	0	0	0	0	0	0
PCB-71/40	UG/L	T			0	0	0	0	0	0	0
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)					
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.000104)	ND (0.000107)	0.0000677 U*	0.0000165 J			0.0000222 B
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D							0.000124 EMPC		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	0.00000999 U*	0.00000319 U*			0.0000319 B
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	0.0000202 U*	0.0000122 U*			0.0000564 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D							0.00000507 EMPC		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	ND (0.00000193) U	0.0000252 EMPC			0.00000205 B
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D							0.0000216 EMPC		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	ND (0.00000297) U	ND (0.00000282) U			0.00000726
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D							0.0000401 EMPC		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	0.00000587 EMPC J	ND (0.00000105) U			0.000013 B
TOTAL PCB (CONGENERS)	UG/L	T									
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	0.0000325 EMPC J	0.0000296 U*			0.0000324 B
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	0.0000324 J	0.0000179 U*			0.0000108 B
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000521)	ND (0.0000527)	0.000041 J	0.00000529 J			0.00000924 B
ALUMINUM	UG/L	D	16000	UG/L			ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)
ALUMINUM	UG/L	T	16000	UG/L			2510	291	3290	3010 J	
ANTIMONY	UG/L	D	6	UG/L			ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
ARSENIC	UG/L	D	10	UG/L			ND (0.7)	ND (0.7)	1.4 J	ND (0.95)	ND (7.2)
ARSENIC	UG/L	T	10	UG/L		ND (9.3)	ND (9.3)	ND (9.3)	ND (0.7)	2.3	ND (0.95)
BARIUM	UG/L	D	2000	UG/L			60.3	105	31.9	35	
BARIUM	UG/L	T	2000	UG/L			63	109	49.6	42.9	
BERYLLIUM	UG/L	T	4	UG/L			ND (0.94)	ND (0.9)	ND (0.9)	0.14 J	
CADMIUM	UG/L	D	5	UG/L			ND (0.91)	ND (0.9)	ND (2)	ND (2)	
CADMIUM	UG/L	T	5	UG/L			ND (0.91)	ND (0.9)	ND (2)	ND (2)	
CALCIUM	UG/L	D					404000	732000	36500	240000	
CALCIUM	UG/L	T					409000	798000	31500	310000	
CHROMIUM	UG/L	D	100	UG/L			ND (2.3)	ND (2.3)	ND (3)	ND (3.4)	
CHROMIUM	UG/L	T	100	UG/L			8.7 B	ND (2.3)	6.2 J	7.9 J	
COBALT	UG/L	D	4.7	UG/L			^6.7	^10.6	ND (2.1)	3.7 J	
COBALT	UG/L	T	4.7	UG/L			^8.3	^10.8	2.5 B	^5.9	
COPPER	UG/L	D	1300	UG/L			ND (2.2)	9.9 B	9 J	ND (2.7)	
COPPER	UG/L	T	1300	UG/L			4.4 J	11.4 B	17.7	6.4 J	
FERROUS IRON	UG/L	T					110 B	34 J	290 B	210	
IRON	UG/L	D	11000	UG/L			ND (52.2)	ND (52.2)	90.9 J	ND (52.2)	
IRON	UG/L	T	11000	UG/L		389 B	425 J	964 J	7530	1010	3720
LEAD	UG/L	D	15	UG/L			0.17 B	0.21 J	0.052 B	ND (0.05)	
LEAD	UG/L	T	15	UG/L			1.7	0.57 J	5	1.7	
MAGNESIUM	UG/L	D					39100	56000	11600	13700	
MAGNESIUM	UG/L	T					40100	58800	11000	16500	
MANGANESE	UG/L	D	320	UG/L			^673	^899	5.5 B	^515	^1680
MANGANESE	UG/L	T	320	UG/L		^766	^745	^776	^699	^952	^634
MERCURY	UG/L	D	2	UG/L			ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	
MERCURY	UG/L	T	2	UG/L			ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	300	UG/L			ND (5.6)	7.7 J	ND (5.6)	3.1 J	
NICKEL	UG/L	T	300	UG/L			6.2 J	9.3 J	ND (5.6)	4.4 J	
POTASSIUM	UG/L	D					5360	6800	14900	4000	
POTASSIUM	UG/L	T					5580	7420	15300	4560	

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
					4/11/06	5/16/06	5/16/06	5/16/07	8/22/07	11/13/08	5/29/09
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	DUP	FS	FS	FS	FS	FS
SELENIUM	UG/L	T	50	UG/L				ND (9.4)	ND (9.4)	ND (10.7)	1.1 J
SILVER	UG/L	D	71	UG/L				ND (1.6)	ND (1.6)	ND (2.2)	ND (2.3)
SODIUM	UG/L	D						106000	222000	9120	70300
SODIUM	UG/L	T						111000	235000	8070	81300
THALLIUM	UG/L	D	2	UG/L				ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)
THALLIUM	UG/L	T	2	UG/L	^60	^ND (10)	^ND (10)	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)
TITANIUM	UG/L	D						ND (2.8)	ND (2.8)	4.1 J	ND (3.8)
TITANIUM	UG/L	T						101	10.4	115	117
VANADIUM	UG/L	D						ND (1.5)	ND (1.5)	ND (2.5)	ND (2.5)
VANADIUM	UG/L	T						28.1	4.5 J	9.2	14
ZINC	UG/L	D	4700	UG/L				10.6 B	10.2 J	46.2	ND (8.1)
ZINC	UG/L	T	4700	UG/L				15.2 B	12.8 J	31.6 B	13.9 J
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T						32100	38900	71000	39000
AMMONIA	UG/L	T						ND (200)	870	ND (200)	ND (200)
CHLORIDE	UG/L	T						652000	1920000	40300	560000
CYANIDE	UG/L	T	200	UG/L				ND (5)	ND (5)	ND (5)	ND (5)
FERRIC IRON	UG/L	T						7400	970	3400	3800
NITRATE	UG/L	T	10000	UG/L				1900	1500 J	ND (40) UJ	1700
NITRITE	UG/L	T	1000	UG/L				ND (15) UJ	ND (15) UJ	28 J	ND (15)
PHOSPHORUS	UG/L	T						ND (250)	ND (250)	2300	ND (250)
SILICA	UG/L	T						16200	9800 J	5400	15500
SULFATE	UG/L	T						92100	120000	23100	89200
TOTAL DISSOLVED SOLIDS	UG/L	T			1420000	2180000	2220000				
TOTAL HARDNESS AS CaCO3	UG/L	T								124000	
TOTAL ORGANIC CARBON	UG/L	T			1500 J	ND (1000)	ND (1000)	ND (1000)	1300 J	14900	1800 B
TOTAL SUSPENDED SOLIDS	UG/L	T			17600	5600 J	14800	1100000	36000	75500	32800
COLOR QUALITATIVE (FIELD)	NS	T			clear		clear	Lt. Brown	brown	Brown	clear
DISSOLVED OXYGEN (FIELD)	UG/L	T			250		0	850	340	4880	670
ODOR (FIELD)	NS	T			none		none	No	no	No	none
OVABZONE	PPM	T			NR		NR	NR			
OVACASING	PPM	T			NR		NR	NR			
REDOX (FIELD)	MV	T									
TOTAL WELL DEPTH	Feet	T									
TURBIDITY QUANTITATIVE (FIELD)	NTU	T									
HPCDFS	UG/L	D								0.00000223 EMPC	
HPCDFS	UG/L	T			0.00000169	ND (0.00000132)	ND (0.00000132)	ND (0.000000992) U	ND (0.00000051) U		0.00000196 B
TOTAL HPCDDS	UG/L	T			0.0000035 B	ND (0.00000153)	ND (0.00000166)				

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					5/24/10	10/5/10	4/11/11	10/14/11	10/14/11	4/10/12	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07
					0	0	0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L								ND (0.8)		ND (0.8)	ND (0.8)
ACETONE	UG/L	T	12000	UG/L								ND (6)		ND (6)	ND (6)
BENZENE	UG/L	T	5	UG/L								ND (0.5)		0.7 J	ND (0.5)
CHLOROFORM	UG/L	T	80	UG/L								ND (0.8)		ND (0.8)	ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L								ND (0.8)		ND (0.8)	ND (0.8)
TETRACHLOROETHYLENE	UG/L	T	5	UG/L								ND (0.8)		ND (0.8)	ND (0.8)
TRICHLOROETHENE	UG/L	T	5	UG/L								1 J		ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L							ND (2)	ND (2)		ND (2)	ND (2)
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L							3 J	ND (2)		ND (2)	ND (2)
FLUORANTHENE	UG/L	T	630	UG/L							ND (1)	ND (1)		ND (1)	ND (1)
NAPHTHALENE	UG/L	T	0.14	UG/L							^ND (1)	^ND (1)		^ND (1)	^ND (1)
1,2,3,4,6,7,8-HPCDD	UG/L	D													
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.000001407061)		0.00000367 J				0.00000127		ND (0.00000219) U		0.00000694 J
1,2,3,4,6,7,8-HPCDF	UG/L	D													
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.0000007218056)		0.00000109 J				ND (0.000000805)		ND (0.00000133) U		ND (0.00000108) U
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.0000009088851)		ND (0.00000109)				ND (0.00000106)		ND (0.00000199) U		ND (0.00000176) U
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.0000006714644)		ND (0.000000504)				ND (0.00000092)		ND (0.000000712) U		ND (0.000000293) U
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.0000007185467)		ND (0.000000553)				ND (0.000000986)		ND (0.000000956) U		ND (0.000000388) U
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000541332)		ND (0.000000707)				ND (0.000000855)		ND (0.00000106) U		ND (0.000000989) U
2,3,7,8-TCDF	UG/L	T			ND (0.0000005441425)		ND (0.000000763)				ND (0.000000803)		ND (0.000000578) U		ND (0.000000567) U
HPCDD	UG/L	D													
HPCDD	UG/L	T											ND (0.00000219) U		0.0000196 J
HXCDD	UG/L	T											ND (0.00000287) U		ND (0.00000239) U
HXCDF	UG/L	T											ND (0.000000899) U		ND (0.000000367) U
OCDD	UG/L	D													
OCDD	UG/L	T				0.00000659 J		0.00000771			0.0000158 J		0.0000201 J		0.000119
OCDF	UG/L	T			ND (0.000001974156)		ND (0.00000375)				0.00000184 J		0.0000109 EMPC J		0.0000175 J
TCDD	UG/L	T			ND (0.0000007884634)		ND (0.000000901)				0.00000116 B		ND (0.00000101) U		0.00000275 J
TCDF	UG/L	T			ND (0.0000005441425)		ND (0.000000763)				ND (0.000000803)		ND (0.000000578) U		ND (0.000000567) U
TOTAL HPCDD	UG/L	T			ND (0.000001407061)		0.00000776 EMPC				0.00000127				
TOTAL HPCDF	UG/L	T			ND (0.0000008087308)		0.00000109				ND (0.000000921)				
TOTAL HXCDD	UG/L	T			ND (0.000001100013)		ND (0.00000122)				ND (0.00000134)				
TOTAL PECDD	UG/L	T			ND (0.0000008199213)		ND (0.000000919)				ND (0.0000013)				
TOTAL PECDD	UG/L	T											ND (0.00000703) U		ND (0.00000648) U
TOTAL PECDF	UG/L	T			ND (0.0000005418375)		ND (0.000000748)				ND (0.000000924)				
PCB 1	UG/L	D													
PCB 1	UG/L	T			ND (0.00000217)		ND (0.00000138)				0.00000148 J		ND (0.00000334) U		0.00000584 J
PCB 10	UG/L	T			ND (0.00000961)		ND (0.00000685)				ND (0.0000088)		ND (0.00000162) U		ND (0.00000187) U
PCB 105	UG/L	D	0.017	UG/L											
PCB 105	UG/L	T	0.017	UG/L	0.00000406 J		0.00000385 J				ND (0.000000589)		ND (0.00000111) U		0.00000573 J
PCB 109	UG/L	D													
PCB 109	UG/L	T			ND (0.00000131)		ND (0.0000018)				ND (0.000000492)		ND (0.000000913) U		ND (0.00000153) U
PCB 11	UG/L	T			0.000027 B		0.0000136 B				0.00000696 B		0.0000475 U*		0.0000544 U*
PCB 110	UG/L	T			ND (0.00000131)		0.00000839 J				0.00000193 B		0.00000758 J		0.0000243
PCB 117	UG/L	T			ND (0.00000151)		ND (0.00000198)				ND (0.000000613)		ND (0.00000138) U		ND (0.00000232) U
PCB 118	UG/L	T	0.017	UG/L	0.000007 J		0.00000804 J				0.00000137 J		0.00000477 U*		0.0000127
PCB 130	UG/L	D													
PCB 130	UG/L	T			ND (0.00000172)		ND (0.00000295)				ND (0.000000711)		ND (0.00000146) U		ND (0.00000146) U
PCB 132	UG/L	D													
PCB 132	UG/L	T			ND (0.00000149)		ND (0.00000269)				ND (0.000000667)		ND (0.00000124) U		0.00000688 EMPC J
PCB 134	UG/L	T			ND (0.00000183)		ND (0.00000333)				ND (0.00000069)		ND (0.00000169) U		ND (0.00000169) U
PCB 136	UG/L	T			ND (0.00000119)		ND (0.00000164)				ND (0.00000051)		ND (0.000000944) U		0.00000294 EMPC J
PCB 137	UG/L	D													
PCB 137	UG/L	T			ND (0.00000166)		ND (0.00000253)				ND (0.000000613)		ND (0.00000106) U		ND (0.00000106) U

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					5/24/10	10/5/10	4/11/11	10/14/11	10/14/11	4/10/12	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07
					0	0	0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	D													
PCB 141	UG/L	T			ND (0.00000142)		ND (0.00000243)				ND (0.00000065)		ND (0.00000111) U		ND (0.00000112) U
PCB 146	UG/L	D													
PCB 146	UG/L	T			ND (0.00000122)		ND (0.00000221)				ND (0.00000061)		ND (0.00000125) U		0.0000034 EMPC J
PCB 15	UG/L	D													
PCB 15	UG/L	T			ND (0.0000117)		ND (0.00000629)				ND (0.0000109)		ND (0.00000407) U		ND (0.00000727) U
PCB 156	UG/L	T	0.017	UG/L											
PCB 157	UG/L	T	0.017	UG/L											
PCB 158	UG/L	D													
PCB 158	UG/L	T			ND (0.00000109)		ND (0.00000169)				ND (0.000000451)		ND (0.000000986) U		ND (0.000000987) U
PCB 16	UG/L	T			ND (0.00000286)		ND (0.00000319)				ND (0.00000189)		0.00000588 EMPC J		0.00000729 U*
PCB 162	UG/L	T			ND (0.00000166)		ND (0.00000212)				ND (0.000000539)		ND (0.0000013) U		ND (0.00000154) U
PCB 164	UG/L	D													
PCB 164	UG/L	T			ND (0.00000105)		ND (0.00000183)				ND (0.000000466)		ND (0.000000865) U		ND (0.000000867) U
PCB 167	UG/L	D	0.017	UG/L											
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000174)		ND (0.00000207)				ND (0.000000562)		ND (0.00000135) U		0.00000133 EMPC J
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000186)		ND (0.00000246)				ND (0.000000622)		ND (0.00000165) U		ND (0.00000209) U
PCB 17	UG/L	T			ND (0.00000225)		ND (0.00000257)				ND (0.00000139)		0.00000516 J		0.00000555 J
PCB 170	UG/L	D													
PCB 170	UG/L	T			ND (0.00000171)		0.00000602 J				ND (0.000000919)		ND (0.00000152) U		0.00000753 J
PCB 172	UG/L	D													
PCB 174	UG/L	D													
PCB 174	UG/L	T			ND (0.00000149)		ND (0.00000364)				ND (0.00000092)		0.00000261 EMPC J		0.0000101
PCB 177	UG/L	D													
PCB 177	UG/L	T			ND (0.00000159)		ND (0.00000411)				ND (0.000000936)		ND (0.00000163) U		0.00000472 J
PCB 178	UG/L	D													
PCB 179	UG/L	T			ND (0.00000165)		ND (0.00000166)				ND (0.000000653)		ND (0.00000102) U		0.00000308 J
PCB 183	UG/L	D													
PCB 183	UG/L	T			ND (0.00000124)		ND (0.00000376)				ND (0.000000738)		ND (0.00000119) U		0.00000449 J
PCB 185	UG/L	D													
PCB 187	UG/L	T			0.00000206 J		0.00000771 J				0.00000141 B		0.000003 J		0.0000131
PCB 189	UG/L	T	0.017	UG/L	ND (0.00000133)		ND (0.00000237)				ND (0.000000508)		ND (0.00000147) U		ND (0.00000177) U
PCB 19	UG/L	T			ND (0.00000286)		ND (0.00000245)				ND (0.00000163)		ND (0.00000188) U		ND (0.00000196) U
PCB 190	UG/L	D													
PCB 194	UG/L	D													
PCB 194	UG/L	T			ND (0.00000185)		ND (0.00000416)				ND (0.000000713)		ND (0.00000149) U		0.00000668 J
PCB 195	UG/L	D													
PCB 196	UG/L	D													
PCB 196	UG/L	T			ND (0.00000221)		ND (0.00000256)				ND (0.000000806)		ND (0.0000011) U		0.00000246 EMPC J
PCB 2	UG/L	D													
PCB 2	UG/L	T			ND (0.00000184)		ND (0.00000163)				ND (0.000000731)		ND (0.00000183) U		0.00000596 J
PCB 202	UG/L	D													
PCB 202	UG/L	T			ND (0.00000203)		ND (0.00000191)				ND (0.000000691)		ND (0.000000916) U		ND (0.00000117) U
PCB 203	UG/L	D													
PCB 203	UG/L	T			ND (0.00000208)		ND (0.00000226)				ND (0.00000077)		ND (0.00000116) U		0.00000398 J
PCB 206	UG/L	D													
PCB 206	UG/L	T			ND (0.00000511)		ND (0.00000619)				ND (0.000000999)		ND (0.00000338) U		0.00000596 J
PCB 207	UG/L	D													
PCB 208	UG/L	D													
PCB 208	UG/L	T			ND (0.00000411)		ND (0.00000468)				ND (0.000000788)		ND (0.00000248) U		ND (0.0000021) U
PCB 209	UG/L	D													
PCB 209	UG/L	T			ND (0.00000281)		0.00000796 J				0.00000174 B		0.00000955		0.0000321
PCB 22	UG/L	T			0.00000209 J		ND (0.00000223)				ND (0.000000966)		0.00000303 J		0.00000386 EMPC J
PCB 25	UG/L	T			ND (0.00000161)		ND (0.00000198)				ND (0.000000887)		ND (0.00000159) U		ND (0.00000194) U

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					5/24/10	10/5/10	4/11/11	10/14/11	10/14/11	4/10/12	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07	
					0	0	0	0	0	0	0	0	0	0	0	
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 3	UG/L	D														
PCB 3	UG/L	T			ND (0.0000021)		ND (0.00000147)			0.00000162 B		0.00000602 EMPC J			0.00000758 U*	
PCB 31	UG/L	T			0.00000525 B		ND (0.0000022)			0.0000014 B		0.00000653 U*			0.00000976 U*	
PCB 32	UG/L	T			0.00000276 J		0.00000214 J			ND (0.00000996)		0.00000355 J			0.00000352 J	
PCB 37	UG/L	T			ND (0.00000203)		ND (0.00000215)			ND (0.00000882)		ND (0.00000196) U			0.00000402 J	
PCB 4	UG/L	D														
PCB 4	UG/L	T			ND (0.0000171)		ND (0.0000097)			ND (0.0000144)		0.00000826 U*			0.00000776 U*	
PCB 41	UG/L	T			ND (0.0000018)		ND (0.00000307)			ND (0.00000977)		ND (0.0000023) U			ND (0.00000238) U	
PCB 42	UG/L	T			ND (0.00000186)		ND (0.00000258)			ND (0.00000884)		ND (0.00000246) U			ND (0.00000254) U	
PCB 45	UG/L	T			ND (0.00000187)		ND (0.00000252)			ND (0.00000891)		ND (0.00000229) U			ND (0.00000236) U	
PCB 48	UG/L	T			ND (0.00000156)		ND (0.00000229)			ND (0.00000824)		ND (0.00000199) U			ND (0.00000206) U	
PCB 51	UG/L	T			ND (0.00000155)		ND (0.0000023)			0.0000465		ND (0.000002) U			ND (0.00000207) U	
PCB 52	UG/L	T			0.00000648 J		0.00000511 J			0.00000193 B		0.00000108 U*			0.00000163 U*	
PCB 56	UG/L	T			ND (0.00000183)		ND (0.00000215)			ND (0.00000519)		ND (0.00000173) U			0.00000388 J	
PCB 6	UG/L	D														
PCB 6	UG/L	T			ND (0.0000105)		ND (0.00000624)			ND (0.0000122)		ND (0.00000394) U			ND (0.00000704) U	
PCB 60	UG/L	T			ND (0.00000181)		ND (0.00000219)			ND (0.00000491)		ND (0.00000151) U			0.00000193 EMPC J	
PCB 64	UG/L	T			ND (0.00000132)		ND (0.00000174)			ND (0.00000576)		0.00000275 J			0.00000458 J	
PCB 66	UG/L	T			0.00000308 J		ND (0.00000219)			0.00000997 J		0.00000331 J			0.00000706 J	
PCB 68	UG/L	T			ND (0.000002)		ND (0.00000196)			0.0000213		ND (0.00000145) U			ND (0.00000167) U	
PCB 7	UG/L	T			ND (0.0000102)		ND (0.00000581)			ND (0.0000116)		ND (0.00000348) U			ND (0.00000622) U	
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000223)		ND (0.00000222)			ND (0.00000426)		ND (0.00000169) U			ND (0.00000185) U	
PCB 8	UG/L	T			0.00000646 J		ND (0.00000608)			ND (0.0000121)		0.00000991 U*			0.00000956 U*	
PCB 82	UG/L	T			ND (0.00000224)		ND (0.00000311)			ND (0.00000844)		ND (0.00000168) U			ND (0.00000281) U	
PCB 84	UG/L	T			ND (0.00000203)		ND (0.0000029)			ND (0.00000795)		ND (0.00000143) U			ND (0.0000024) U	
PCB 9	UG/L	T			ND (0.0000103)		ND (0.00000592)			ND (0.0000132)		ND (0.00000386) U			ND (0.00000689) U	
PCB 91	UG/L	T			ND (0.00000207)		ND (0.00000248)			ND (0.00000672)		ND (0.00000107) U			ND (0.0000018) U	
PCB 92	UG/L	T			ND (0.00000204)		ND (0.00000275)			ND (0.00000073)		ND (0.00000153) U			ND (0.00000256) U	
PCB 95	UG/L	T			0.00000511 J		0.00000519 J			0.00000147 B		0.00000595 U*			0.00000138 U*	
PCB 99	UG/L	T			0.00000519 J		0.00000335 J			ND (0.00000699)		ND (0.00000128) U			0.00000844 U*	
PCB-106/118	UG/L	T														
PCB-108/119/86/97/125/87	UG/L	T			ND (0.00000178) J		ND (0.00000233)			ND (0.00000061)		0.00000871 J			0.00000127 J	
PCB-113/90/101	UG/L	T			0.00000613 J		0.00000645 J			0.00000156 B		0.00000829 U*			0.00000175 U*	
PCB-116/85	UG/L	D														
PCB-116/85	UG/L	T			0.00000274 J		ND (0.00000239)			ND (0.00000581)		ND (0.00000105) U			ND (0.00000176) U	
PCB-128/166	UG/L	D														
PCB-128/166	UG/L	T			ND (0.00000173)		ND (0.00000259)			ND (0.000000646)		ND (0.00000147) U			0.00000402 J	
PCB-147/149	UG/L	T			0.00000398 J		0.00000979 J			0.00000185 B		0.0000056 J			0.00000177	
PCB-151/135	UG/L	T			ND (0.00000142)		0.00000538 J			ND (0.00000619)		ND (0.00000131) U			0.0000087 J	
PCB-153/168	UG/L	D														
PCB-153/168	UG/L	T			0.00000768 J		0.0000169 B			0.0000026 B		0.00000539 J			0.00000201	
PCB-156/157	UG/L	D														
PCB-156/157	UG/L	T			ND (0.00000233)		ND (0.00000303)			ND (0.000000732)		ND (0.00000174) U			0.00000314 J	
PCB-163/138/129	UG/L	D														
PCB-163/138/129	UG/L	T			0.0000085 J		0.0000248 B			0.00000342 B		0.00000711 J			0.00000278	
PCB-171/173	UG/L	D														
PCB-180/193	UG/L	D														
PCB-180/193	UG/L	T			0.00000302 J		0.0000144 B			0.00000201 B		0.00000442 EMPC J			0.00000184	
PCB-198/199	UG/L	D														
PCB-198/199	UG/L	T			ND (0.00000237)		ND (0.00000255)			ND (0.000000821)		ND (0.00000134) U			0.00000728 J	
PCB-21/33	UG/L	T			0.0000037 J		ND (0.00000224)			ND (0.00000088)		0.00000364 U*			0.00000545 U*	
PCB-26/29	UG/L	T			ND (0.00000177)		ND (0.00000219)			ND (0.000000893)		ND (0.00000165) U			ND (0.00000201) U	
PCB-28/20	UG/L	T			0.00000887 B		0.00000537 B			0.00000218 B		0.00000872 U*			0.00000131 U*	
PCB-30/18	UG/L	T			0.0000077 B		0.00000355 J			ND (0.00000119)		0.00000127 U*			0.00000136 U*	

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S
					5/24/10	10/5/10	4/11/11	10/14/11	10/14/11	4/10/12	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07
					0	0	0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB-44/47/65	UG/L	T			0.00000648 J		0.00000389 J			0.0000209		0.0000127 J			0.0000154 J
PCB-50/53	UG/L	T			ND (0.00000171)		ND (0.00000231)			ND (0.000000797)		ND (0.00000205) U			ND (0.00000212) U
PCB-59/62/75	UG/L	T			ND (0.00000135)		ND (0.00000179)			ND (0.000000612)		ND (0.00000156) U			ND (0.00000161) U
PCB-61/70/74/76	UG/L	T			0.00000498 J		ND (0.00000211)			0.00000163 J		0.00000608 EMPC J			0.0000162 J
PCB-69/49	UG/L	T			0.0000003 J		0.00000246 J			0.00000132 J		0.00000295 EMPC J			0.00000685 J
PCB-71/40	UG/L	T			ND (0.00000158)		ND (0.00000213)			ND (0.000000803)		ND (0.00000211) U			0.00000513 J
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000334 B		0.0000136 B			0.00000696 B		0.0000657 U*			0.0000717 U*
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000508 EMPC		0.0000281 B			0.00000341 B		0.00001 EMPC J			0.0000613 J
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000202 EMPC		0.0000569 EMPC			0.00000787 B		0.0000181 J			0.000096 EMPC J
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000214)		ND (0.00000142)			0.0000031 B		0.00000602 EMPC J			0.0000194 EMPC J
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000461)		ND (0.00000543)			ND (0.000000894)		ND (0.00000293) U			0.00000596 J
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000191)		ND (0.00000233)			ND (0.000000633)		ND (0.00000111) U			0.0000204 EMPC J
TOTAL PCB (CONGENERS)	UG/L	T													
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000302 EMPC		0.0000353 EMPC			0.00000633 B		0.0000353 J			0.0000951 J
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000024 EMPC		0.0000115			0.0000946		0.0000386 EMPC J			0.0000773 EMPC J
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000304 B		0.0000111 B			0.00000358 B		0.0000492 EMPC J			0.0000661 EMPC J
ALUMINUM	UG/L	D	16000	UG/L								ND (80.2)	ND (80.2)		ND (80.2)
ALUMINUM	UG/L	T	16000	UG/L								131 J	135 B		654
ANTIMONY	UG/L	D	6	UG/L								ND (9.7)	ND (9.7)		ND (9.7)
ARSENIC	UG/L	D	10	UG/L								ND (0.67)	ND (0.7)		0.7 J
ARSENIC	UG/L	T	10	UG/L	ND (0.95)	1.3 J	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)		ND (0.67)	ND (0.7)		0.94 J
BARIUM	UG/L	D	2000	UG/L								19.1	16.3		124
BARIUM	UG/L	T	2000	UG/L								19.1	21.1		129
BERYLLIUM	UG/L	T	4	UG/L								ND (0.94)	ND (0.9)		ND (0.94)
CADMIUM	UG/L	D	5	UG/L								1.8 J	ND (0.9)		ND (0.91)
CADMIUM	UG/L	T	5	UG/L								1.1 J	ND (0.9)		ND (0.91)
CALCIUM	UG/L	D										65500	48700		64600
CALCIUM	UG/L	T										66600	66300		62200
CHROMIUM	UG/L	D	100	UG/L								2.4 J	3.6 J		ND (2.3)
CHROMIUM	UG/L	T	100	UG/L								15.2	8.1 J		10.4 J
COBALT	UG/L	D	4.7	UG/L								4.5 J	ND (2.1)		^13.2
COBALT	UG/L	T	4.7	UG/L								4.7 J	3.4 J		^13.7
COPPER	UG/L	D	1300	UG/L								30.6	6.7 B		8.4 J
COPPER	UG/L	T	1300	UG/L								16.5	33.6		11.5
FERROUS IRON	UG/L	T										120 J	1000 J		760 J
IRON	UG/L	D	11000	UG/L								70.3 J	118 B		190 J
IRON	UG/L	T	11000	UG/L								327 J	724 B		1370
LEAD	UG/L	D	15	UG/L								1.7 J	1 B		0.17 B
LEAD	UG/L	T	15	UG/L								1.1 J	10.3		2.3
MAGNESIUM	UG/L	D										50100	35800		13100
MAGNESIUM	UG/L	T										50900	48400		12800
MANGANESE	UG/L	D	320	UG/L								^403	286		^517
MANGANESE	UG/L	T	320	UG/L	^565	47.3	^763	^622	^537			^440	^458		^515
MERCURY	UG/L	D	2	UG/L								ND (0.056)	ND (0.056)		ND (0.056)
MERCURY	UG/L	T	2	UG/L								ND (0.056)	ND (0.056)		ND (0.056)
NICKEL	UG/L	D	300	UG/L								41.5	21.8		42
NICKEL	UG/L	T	300	UG/L								39.1	25.7		45.2
POTASSIUM	UG/L	D										700	737		10200
POTASSIUM	UG/L	T										716	869		10200

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S
					5/24/10	10/5/10	4/11/11	10/14/11	10/14/11	4/10/12	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07
					0	0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
SELENIUM	UG/L	T	50	UG/L								ND (9.4)	ND (9.4)		ND (9.4)
SILVER	UG/L	D	71	UG/L								ND (1.6)	ND (1.6)		ND (1.6)
SODIUM	UG/L	D										250000	192000		264000
SODIUM	UG/L	T										244000	215000		260000
THALLIUM	UG/L	D	2	UG/L								ND (0.037)	ND (0.037)		0.055 J
THALLIUM	UG/L	T	2	UG/L	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)		ND (0.037)	ND (0.037)		0.054 J
TITANIUM	UG/L	D										ND (2.8)	ND (2.8)		ND (2.8)
TITANIUM	UG/L	T										4.9 J	ND (28)		26.1
VANADIUM	UG/L	D										ND (1.5)	1.6 J		ND (1.5)
VANADIUM	UG/L	T										ND (1.5)	2.3 J		3.9 J
ZINC	UG/L	D	4700	UG/L								887	75.3		54.5
ZINC	UG/L	T	4700	UG/L								123	347		50.1
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T										36500	48800		115000
AMMONIA	UG/L	T										ND (200)	ND (200)		ND (200)
CHLORIDE	UG/L	T										361000	461000		353000 J
CYANIDE	UG/L	T	200	UG/L								ND (5)	ND (5) UJ		ND (5)
FERRIC IRON	UG/L	T										210	ND (52)		610
NITRATE	UG/L	T	10000	UG/L								ND (40) UJ	ND (40)		130
NITRITE	UG/L	T	1000	UG/L								ND (15)	ND (15)		ND (15)
PHOSPHORUS	UG/L	T										ND (250)	ND (250)		ND (250)
SILICA	UG/L	T										39300	43700		39900 J
SULFATE	UG/L	T										349000	395000		107000
TOTAL DISSOLVED SOLIDS	UG/L	T													
TOTAL HARDNESS AS CaCO3	UG/L	T										375000	365000		195000 J
TOTAL ORGANIC CARBON	UG/L	T										2600	4400		2700
TOTAL SUSPENDED SOLIDS	UG/L	T										8400 B	37600		65600
COLOR QUALITATIVE (FIELD)	NS	T				NS	NS	Clear	clear		Clear	Clear	Clear	clr	Clear
DISSOLVED OXYGEN (FIELD)	UG/L	T				890	-2500	930	560		440	5620		2230	2720
ODOR (FIELD)	NS	T				NS	NS	None	none		No	No		no	No
OVABZONE	PPM	T				NS	NS				NR	NR			NR
OVACASING	PPM	T				NS	NS				NR	NR			NR
REDOX (FIELD)	MV	T													
TOTAL WELL DEPTH	Feet	T					NS								
TURBIDITY QUANTITATIVE (FIELD)	NTU	T													
HPCDFS	UG/L	D													
HPCDFS	UG/L	T										ND (0.00000162) U			ND (0.00000138) U
TOTAL HPCDDS	UG/L	T													

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-14S	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
					8/22/07	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10
					0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	2 J	1 J			
ACETONE	UG/L	T	12000	UG/L	ND (6)	12 J	ND (6)	ND (6)	ND (6)			
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)			
CHLOROFORM	UG/L	T	80	UG/L	ND (0.8)	3 J	3 J	ND (0.8)	ND (0.8)			
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	1 J			
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	2 J	3 J	ND (0.8)	ND (0.8)			
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	1 J	2 J	ND (1)	ND (1)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)			
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)			
FLUORANTHENE	UG/L	T	630	UG/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)			
NAPHTHALENE	UG/L	T	0.14	UG/L	^ND (1)	^ND (1)	^ND (1)	^ND (1)	^ND (1)			
1,2,3,4,6,7,8-HPCDD	UG/L	D										
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.00000441) U	ND (0.00000386) U	ND (0.00000362) U	ND (0.00000157) U	0.00000248 EMPCJ	ND (0.000003515519)		ND (0.00000106)
1,2,3,4,6,7,8-HPCDF	UG/L	D										
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000212) U	ND (0.00000211) U	ND (0.000000789) U	ND (0.000000844) U	ND (0.000000491) U	ND (0.00000181949)		ND (0.000000623)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.00000347) U	ND (0.00000343) U	ND (0.00000156) U	ND (0.00000125) U	ND (0.000000839) U	ND (0.00000253754)		ND (0.000000966)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000673) U	ND (0.000000282) U	ND (0.000000766) U	ND (0.00000025) U	ND (0.000000479) U	ND (0.000001076827)		ND (0.000000412)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000843) U	ND (0.000000364) U	ND (0.000000944) U	ND (0.000000314) U	ND (0.000000561) U	ND (0.000001164353)		ND (0.000000462)
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000729) U	ND (0.00000178) U	ND (0.00000168) U	ND (0.000000807) U	ND (0.00000114) U	ND (0.000001097982)		ND (0.000000691)
2,3,7,8-TCDF	UG/L	T			ND (0.000000341) U	ND (0.00000125) U	ND (0.000000652) U	ND (0.000000474) U	ND (0.000000364) U	ND (0.000001005287)		ND (0.000000715)
HPCDDS	UG/L	D										
HPCDDS	UG/L	T			ND (0.00000441) U	ND (0.00000386) U	ND (0.00000362) U	ND (0.00000157) U	0.00000551 EMPC			
HXCDDS	UG/L	T			ND (0.00000286) U	ND (0.00000237) U	ND (0.00000291) U	ND (0.00000139) U	ND (0.00000135) U			
HXCDFS	UG/L	T			ND (0.000000766) U	ND (0.000000351) U	ND (0.000000862) U	ND (0.000000307) U	ND (0.00000054) U			
OCDD	UG/L	D										
OCDD	UG/L	T			0.0000166 J	0.0000286 J	ND (0.00000761) U	0.0000539	0.000125	ND (0.00001012281)		ND (0.00000221)
OCDF	UG/L	T			ND (0.00000066) U	ND (0.00000932) U	ND (0.0000129) U	ND (0.00000488) U	ND (0.00000668) U	ND (0.00000472453)		ND (0.00000359)
TCDDS	UG/L	T			0.00000168 J	ND (0.00000054) U	0.000000851 U*	ND (0.000000369) U	0.00000131 U*	ND (0.00000131138)		ND (0.000000825)
TCDFS	UG/L	T			ND (0.000000341) U	ND (0.00000125) U	ND (0.000000652) U	ND (0.000000474) U	ND (0.000000364) U	ND (0.000001005287)		ND (0.000000715)
TOTAL HPCDD	UG/L	T								ND (0.000003515519)		ND (0.00000106)
TOTAL HPCDF	UG/L	T								ND (0.000002142091)		ND (0.000000774)
TOTAL HXCDD	UG/L	T								ND (0.000001687415)		ND (0.000000943)
TOTAL PECDD	UG/L	T								ND (0.000001305963)		ND (0.000000895)
TOTAL PECDDS	UG/L	T			ND (0.00000211) U	ND (0.00000713) U	ND (0.00000131) U	ND (0.00000693) U	ND (0.00000103) U			
TOTAL PECDF	UG/L	T								ND (0.000001083618)		ND (0.000000677)
PCB 1	UG/L	D										
PCB 1	UG/L	T			0.00000355 J	0.00000464 J	0.00000239 EMPCJ	ND (0.00000244) U	0.00000513 J	ND (0.00000399)		0.0000019 J
PCB 10	UG/L	T			ND (0.00000199) U	ND (0.00000246) U	ND (0.00000162) U	ND (0.00000492) U	ND (0.00000134) U	ND (0.00000197)		ND (0.00000415)
PCB 105	UG/L	D	0.017	UG/L								
PCB 105	UG/L	T	0.017	UG/L	0.00000512 U*	0.00000219 J	0.00000223 U*	ND (0.00000198) U	0.00000413 U*	ND (0.00000545)		ND (0.00000146)
PCB 109	UG/L	D										
PCB 109	UG/L	T			ND (0.000000782) U	ND (0.00000116) U	ND (0.000000738) U	ND (0.0000017) U	ND (0.000000825) U	ND (0.00000391)		ND (0.00000122)
PCB 11	UG/L	T			0.0000241 U*	0.0000874 U*	0.00000797 U*	0.0000748 U*	0.0000369 U*	0.0000356 B		0.0000417
PCB 110	UG/L	T			0.0000284 U*	0.0000107	0.000011 U*	0.00000659 J	0.0000227 U*	ND (0.00000402)		0.00000309 J
PCB 117	UG/L	T			ND (0.00000097) U	ND (0.00000177) U	ND (0.000000916) U	ND (0.00000257) U	ND (0.00000102) U	ND (0.0000046)		ND (0.00000138)
PCB 118	UG/L	T	0.017	UG/L	0.0000112 U*	0.00000425 EMPC J	0.00000467 U*	0.000004 U*	0.00000939 U*	ND (0.00000523)		0.00000347 J
PCB 130	UG/L	D										
PCB 130	UG/L	T			ND (0.00000112) U	ND (0.00000149) U	ND (0.00000107) U	ND (0.0000021) U	ND (0.00000101) U	ND (0.0000047)		ND (0.00000159)
PCB 132	UG/L	D										
PCB 132	UG/L	T			0.00000587 U*	0.00000308 EMPC J	0.00000243 U*	ND (0.00000178) U	0.00000595 U*	ND (0.00000403)		ND (0.00000131)
PCB 134	UG/L	T			ND (0.00000121) U	ND (0.00000173) U	ND (0.00000116) U	ND (0.00000243) U	ND (0.00000109) U	ND (0.00000516)		ND (0.00000149)
PCB 136	UG/L	T			0.00000381 U*	0.00000201 J	0.00000148 U*	ND (0.00000153) U	0.00000311 U*	ND (0.00000032)		ND (0.00000121)
PCB 137	UG/L	D										
PCB 137	UG/L	T			ND (0.000000797) U	ND (0.00000108) U	ND (0.000000761) U	ND (0.00000153) U	ND (0.000000715) U	ND (0.00000503)		ND (0.00000139)

FED\_MCL and EPA\_SL\_Tapwater 05/12 when MCL is not available  
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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-14S	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
					8/22/07	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10
					0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	D										
PCB 141	UG/L	T			0.00000299 U*	ND (0.00000114) U	ND (0.000000843) U	ND (0.0000016) U	0.00000303 J	ND (0.00000379)		ND (0.00000122)
PCB 146	UG/L	D										
PCB 146	UG/L	T			ND (0.000000907) U	ND (0.00000127) U	ND (0.000000866) U	ND (0.00000179) U	0.00000255 J	ND (0.00000357)		ND (0.00000114)
PCB 15	UG/L	D										
PCB 15	UG/L	T			ND (0.00000533) U	0.00000469 J	ND (0.00000289) U	ND (0.00000674) U	ND (0.00000262) U	ND (0.00000231)		0.00000304 J
PCB 156	UG/L	T	0.017	UG/L								
PCB 157	UG/L	T	0.017	UG/L								
PCB 158	UG/L	D										
PCB 158	UG/L	T			0.0000017 U*	ND (0.00000101) U	ND (0.000000705) U	ND (0.00000142) U	0.00000204 U*	ND (0.00000291)		ND (0.000000999)
PCB 16	UG/L	T			ND (0.00000198) U	0.00000678 J	ND (0.00000188) U	0.00000556 J	0.00000337 EMPCJ	ND (0.00000694)		0.00000205 J
PCB 162	UG/L	T			ND (0.000000956) U	ND (0.00000123) U	ND (0.000000913) U	ND (0.00000193) U	ND (0.000000852) U	ND (0.00000427)		ND (0.00000149)
PCB 164	UG/L	D										
PCB 164	UG/L	T			ND (0.000000659) U	ND (0.000000885) U	ND (0.000000629) U	ND (0.00000125) U	ND (0.000000591) U	ND (0.00000273)		ND (0.000000999)
PCB 167	UG/L	D	0.017	UG/L								
PCB 167	UG/L	T	0.017	UG/L	ND (0.000000964) U	ND (0.00000128) U	ND (0.000000921) U	ND (0.00000201) U	ND (0.000000859) U	ND (0.00000437)		ND (0.00000159)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000121) U	ND (0.00000157) U	ND (0.0000012) U	ND (0.00000243) U	ND (0.00000103) U	ND (0.00000549)		ND (0.00000181)
PCB 17	UG/L	T			0.00000297 EMPCJ	0.00000391 U*	0.00000185 J	0.00000439 J	0.00000331 J	ND (0.00000577)		0.00000305 J
PCB 170	UG/L	D										
PCB 170	UG/L	T			0.00000389 J	0.00000223 EMPC J	ND (0.00000109) U	ND (0.00000207) U	0.00000397 U*	ND (0.00000661)		ND (0.00000177)
PCB 172	UG/L	D										
PCB 174	UG/L	D										
PCB 174	UG/L	T			0.0000034 U*	ND (0.00000207) U	ND (0.00000116) U	ND (0.0000022) U	0.00000535 U*	ND (0.00000633)		ND (0.00000162)
PCB 177	UG/L	D										
PCB 177	UG/L	T			ND (0.00000139) U	ND (0.00000219) U	ND (0.00000121) U	ND (0.00000232) U	0.00000279 J	ND (0.00000681)		ND (0.00000168)
PCB 178	UG/L	D										
PCB 179	UG/L	T			0.00000169 U*	ND (0.000000973) U	ND (0.00000075) U	ND (0.0000014) U	0.00000207 EMPCJ	ND (0.00000442)		ND (0.00000101)
PCB 183	UG/L	D										
PCB 183	UG/L	T			ND (0.00000103) U	ND (0.0000016) U	ND (0.000000896) U	ND (0.0000017) U	0.00000228 EMPCJ	ND (0.00000598)		ND (0.0000013)
PCB 185	UG/L	D										
PCB 187	UG/L	T			0.00000504 U*	0.00000352 J	0.00000185 U*	ND (0.00000208) U	0.00000636 U*	ND (0.00000591)		ND (0.00000148)
PCB 189	UG/L	T	0.017	UG/L	ND (0.000001) U	ND (0.00000129) U	ND (0.00000107) U	ND (0.00000208) U	ND (0.000000968) U	ND (0.00000432)		ND (0.00000116)
PCB 19	UG/L	T			ND (0.00000157) U	0.00000216 EMPC J	ND (0.00000149) U	ND (0.00000263) U	ND (0.0000014) U	ND (0.00000724)		ND (0.00000154)
PCB 190	UG/L	D										
PCB 194	UG/L	D										
PCB 194	UG/L	T			0.00000297 U*	0.0000028 EMPC J	0.00000232 J	ND (0.00000212) U	0.00000415 J	ND (0.00000471)		ND (0.00000214)
PCB 195	UG/L	D										
PCB 196	UG/L	D										
PCB 196	UG/L	T			ND (0.000000967) U	ND (0.00000107) U	ND (0.000000695) U	ND (0.00000169) U	0.00000153 EMPCJ	ND (0.00000583)		ND (0.0000016)
PCB 2	UG/L	D										
PCB 2	UG/L	T			ND (0.00000123) U	ND (0.00000172) U	ND (0.000000913) U	ND (0.00000263) U	ND (0.000000935) U	ND (0.00000349)		0.00000172 J
PCB 202	UG/L	D										
PCB 202	UG/L	T			ND (0.000000793) U	ND (0.000000894) U	ND (0.000000057) U	ND (0.00000141) U	0.00000109 EMPCJ	ND (0.00000595)		ND (0.0000014)
PCB 203	UG/L	D										
PCB 203	UG/L	T			ND (0.00000105) U	ND (0.00000114) U	ND (0.000000755) U	ND (0.00000179) U	0.00000275 J	ND (0.00000561)		ND (0.00000154)
PCB 206	UG/L	D										
PCB 206	UG/L	T			ND (0.00000271) U	ND (0.00000274) U	ND (0.00000268) U	ND (0.00000386) U	ND (0.00000277) U	ND (0.00000157)		ND (0.0000029)
PCB 207	UG/L	D										
PCB 208	UG/L	D										
PCB 208	UG/L	T			ND (0.00000179) U	ND (0.00000189) U	ND (0.00000173) U	ND (0.00000283) U	ND (0.00000197) U	ND (0.00000126)		ND (0.00000213)
PCB 209	UG/L	D										
PCB 209	UG/L	T			0.00000262 J	0.00000374 EMPC J	ND (0.0000012) U	ND (0.00000203) U	0.00000101 EMPC	ND (0.00000523)		ND (0.00000297)
PCB 22	UG/L	T			ND (0.00000157) U	0.00000364 J	ND (0.00000129) U	0.00000303 EMPC J	ND (0.00000149) U	ND (0.00000534)		0.00000189 J
PCB 25	UG/L	T			ND (0.00000141) U	ND (0.0000016) U	ND (0.00000115) U	ND (0.0000025) U	ND (0.00000133) U	ND (0.00000486)		ND (0.000000853)

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-14S	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
					8/22/07	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10
					0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS
PCB 3	UG/L	D										
PCB 3	UG/L	T			ND (0.0000123) U	0.00000557 J	ND (0.00000912) U	ND (0.00000257) U	ND (0.00000934) U	ND (0.0000042)		0.00000315 J
PCB 31	UG/L	T			0.00000413 U*	0.00000793 U*	0.00000323 J	0.00000668 U*	0.00000513 J	0.00000672 B		0.00000415 J
PCB 32	UG/L	T			0.00000204 J	0.00000341 J	0.00000136 J	0.00000289 J	0.0000019 EMPCJ	ND (0.00000408)		0.00000281 J
PCB 37	UG/L	T			ND (0.00000169) U	ND (0.00000197) U	ND (0.00000138) U	ND (0.00000308) U	ND (0.0000016) U	ND (0.0000065)		ND (0.00000116)
PCB 4	UG/L	D										
PCB 4	UG/L	T			0.00000911	0.00000776 U*	0.00000655 J	0.00000822 U*	0.00000816 J	ND (0.0000352)		ND (0.00000708)
PCB 41	UG/L	T			ND (0.00000116) U	ND (0.00000158) U	ND (0.00000123) U	ND (0.00000281) U	ND (0.00000121) U	ND (0.00000715)		ND (0.00000166)
PCB 42	UG/L	T			ND (0.00000129) U	ND (0.00000169) U	ND (0.00000136) U	ND (0.000003) U	ND (0.00000134) U	ND (0.00000664)		ND (0.00000177)
PCB 45	UG/L	T			ND (0.0000011) U	ND (0.00000157) U	ND (0.00000117) U	ND (0.00000279) U	ND (0.00000115) U	ND (0.0000057)		ND (0.00000144)
PCB 48	UG/L	T			ND (0.00000103) U	ND (0.00000137) U	ND (0.00000109) U	ND (0.00000243) U	ND (0.00000108) U	ND (0.00000556)		ND (0.0000015)
PCB 51	UG/L	T			ND (0.00000108) U	ND (0.00000137) U	ND (0.00000115) U	ND (0.00000244) U	ND (0.00000113) U	ND (0.00000647)		0.000122
PCB 52	UG/L	T			0.0000455 U*	0.0000116 U*	0.0000159 U*	0.00000738 U*	0.0000182 U*	ND (0.00000559)		0.00000554 J
PCB 56	UG/L	T			ND (0.00000115) U	0.00000272 J	ND (0.00000108) U	ND (0.00000244) U	0.00000169 J	ND (0.00000543)		ND (0.000000903)
PCB 6	UG/L	D										
PCB 6	UG/L	T			ND (0.00000493) U	0.00000345	ND (0.00000267) U	ND (0.00000653) U	ND (0.00000242) U	ND (0.000019)		ND (0.00000333)
PCB 60	UG/L	T			ND (0.00000101) U	ND (0.00000133) U	ND (0.000000948) U	ND (0.00000212) U	ND (0.00000101) U	ND (0.00000552)		ND (0.000000882)
PCB 64	UG/L	T			0.00000349 U*	0.0000028 J	0.0000015 U*	0.00000205 EMPC J	0.00000215 U*	ND (0.00000471)		0.00000168 J
PCB 66	UG/L	T			0.00000396 U*	0.0000041 J	ND (0.00000106) U	ND (0.00000225) U	0.00000285 U*	ND (0.00000545)		0.00000275 J
PCB 68	UG/L	T			ND (0.00000103) U	ND (0.00000128) U	ND (0.000000964) U	ND (0.00000204) U	ND (0.00000103) U	ND (0.00000606)		0.00000826
PCB 7	UG/L	T			ND (0.00000437) U	ND (0.00000366) U	ND (0.00000237) U	ND (0.00000576) U	ND (0.00000214) U	ND (0.0000189)		0.00000251 J
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000121) U	ND (0.00000148) U	ND (0.0000012) U	ND (0.00000235) U	ND (0.00000123) U	ND (0.00000699)		ND (0.00000123)
PCB 8	UG/L	T			0.00000494 U*	0.0000122 U*	0.00000559 J	0.00000859 U*	0.00000865 J	ND (0.0000188)		0.00000532 J
PCB 82	UG/L	T			ND (0.00000152) U	ND (0.00000214) U	ND (0.00000143) U	ND (0.00000312) U	ND (0.0000016) U	ND (0.00000693)		ND (0.00000193)
PCB 84	UG/L	T			0.0000124 U*	ND (0.00000182) U	0.00000331 U*	ND (0.00000266) U	0.00000452 U*	ND (0.00000645)		ND (0.00000177)
PCB 9	UG/L	T			ND (0.00000497) U	0.00000373	ND (0.00000269) U	ND (0.00000639) U	ND (0.00000244) U	ND (0.0000189)		ND (0.0000033)
PCB 91	UG/L	T			0.00000295 U*	ND (0.00000137) U	ND (0.000000939) U	ND (0.000002) U	ND (0.00000105) U	ND (0.00000599)		ND (0.00000172)
PCB 92	UG/L	T			0.00000556 U*	ND (0.00000195) U	0.00000229 J	ND (0.00000284) U	0.00000334 J	ND (0.00000641)		ND (0.00000176)
PCB 95	UG/L	T			0.0000333 U*	0.00000663 J	0.0000106 U*	ND (0.00000238) U	0.0000157 U*	ND (0.00000547)		0.00000394 J
PCB 99	UG/L	T			0.00000833 U*	0.00000462 U*	0.00000341 U*	ND (0.00000237) U	0.00000632 U*	ND (0.00000489)		ND (0.00000146)
PCB-106/118	UG/L	T										
PCB-108/119/86/97/125/87	UG/L	T			0.0000183 U*	0.00000667 J	0.00000705 J	ND (0.00000224) U	0.0000109 J	ND (0.00000552)		ND (0.00000156)
PCB-113/90/101	UG/L	T			0.0000256 U*	0.0000086 U*	0.0000104 U*	0.00000643 U*	0.0000171 U*	ND (0.00000553)		0.00000581 J
PCB-116/85	UG/L	D										
PCB-116/85	UG/L	T			ND (0.00000102) U	ND (0.00000134) U	ND (0.000000965) U	ND (0.00000195) U	ND (0.00000108) U	ND (0.00000631)		ND (0.00000172)
PCB-128/166	UG/L	D										
PCB-128/166	UG/L	T			0.00000285 U*	ND (0.00000139) U	ND (0.00000106) U	ND (0.00000219) U	0.00000343 U*	ND (0.00000429)		ND (0.00000152)
PCB-147/149	UG/L	T			0.0000155 U*	0.00000676 J	0.0000055 U*	0.00000371 EMPC J	0.0000154 U*	ND (0.00000362)		0.00000219 J
PCB-151/135	UG/L	T			0.00000511 U*	0.00000384 J	0.00000277 U*	ND (0.00000188) U	0.00000685 U*	ND (0.00000393)		ND (0.00000127)
PCB-153/168	UG/L	D										
PCB-153/168	UG/L	T			0.0000112 U*	0.00000674 J	0.000005 U*	0.0000037 J	0.0000119 U*	ND (0.00000327)		0.00000249 J
PCB-156/157	UG/L	D										
PCB-156/157	UG/L	T			0.00000235 U*	ND (0.00000153) U	ND (0.00000125) U	ND (0.00000261) U	0.00000216 J	ND (0.00000596)		ND (0.00000226)
PCB-163/138/129	UG/L	D										
PCB-163/138/129	UG/L	T			0.0000178 U*	0.00000847 J	0.00000661 U*	0.00000447 J	0.0000192 U*	ND (0.00000392)		0.00000272 J
PCB-171/173	UG/L	D										
PCB-180/193	UG/L	D										
PCB-180/193	UG/L	T			0.00000829 U*	0.00000544 J	0.00000293 J	ND (0.00000169) U	0.0000096 J	ND (0.00000561)		ND (0.00000134)
PCB-198/199	UG/L	D										
PCB-198/199	UG/L	T			0.00000319 U*	ND (0.00000131) U	ND (0.000000858) U	ND (0.00000206) U	0.00000372 J	ND (0.00000635)		ND (0.0000017)
PCB-21/33	UG/L	T			ND (0.00000136) U	0.00000476 J	ND (0.00000111) U	0.0000041 J	0.00000245 EMPCJ	ND (0.00000617)		0.00000541 J
PCB-26/29	UG/L	T			0.00000287 J	0.00000227 EMPC J	ND (0.00000121) U	ND (0.00000258) U	ND (0.0000014) U	ND (0.00000527)		ND (0.000000933)
PCB-28/20	UG/L	T			0.00000398 J	0.0000102 U*	0.00000297 J	0.00000811 U*	0.0000053 J	0.000011 B		0.00000767 J
PCB-30/18	UG/L	T			0.00000974 U*	0.000015 U*	0.00000512 U*	0.00000913 U*	0.00000902 U*	0.00000847 B		0.000004 J

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					8/22/07	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10
					0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS
PCB-44/47/65	UG/L	T			0.0000174 U*	0.0000119 J	0.00000685 U*	0.0000109 J	0.0000089 U*	ND (0.00000575)		0.000103
PCB-50/53	UG/L	T			0.00000328 J	ND (0.00000141) U	0.00000167 J	ND (0.0000025) U	0.00000194 J	ND (0.00000606)		ND (0.00000165)
PCB-59/62/75	UG/L	T			ND (0.000000807) U	ND (0.00000107) U	ND (0.000000853) U	ND (0.0000019) U	ND (0.000000841) U	ND (0.00000482)		ND (0.00000133)
PCB-61/70/74/76	UG/L	T			0.0000147 U*	0.00000758 J	0.00000533 J	0.00000488 EMPC J	0.00000965 J	ND (0.0000054)		0.00000501 J
PCB-69/49	UG/L	T			0.00000794 U*	0.00000391 EMPC J	0.00000391 U*	0.00000195 EMPC	0.00000545 U*	ND (0.00000537)		0.0000044 J
PCB-71/40	UG/L	T			0.00000394 U*	ND (0.00000145) U	0.00000189 U*	ND (0.00000257) U	0.00000284 U*	ND (0.00000546)		ND (0.00000156)
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T										
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000382 B	0.000119 J	0.0000201 J	0.0000916 U*	0.0000537 J	0.0000356 B		0.0000525
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000223 J	0.0000112 EMPC J	0.00000478 J	ND (0.00000187) U	0.0000324 EMPCJ	ND (0.00000576)		ND (0.0000014)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000691 U*	0.0000309 EMPC J	0.0000238 U*	0.0000119 EMPC J	0.0000756 J	ND (0.00000477)		0.00000739
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000355 J	0.0000102 J	0.00000239 EMPC	ND (0.00000251) U	0.00000513 J	ND (0.0000041)		0.00000677
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000225) U	ND (0.00000231) U	ND (0.0000022) U	ND (0.00000335) U	ND (0.00000237) U	ND (0.0000142)		ND (0.00000252)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000615 U*	0.0000028 EMPC J	0.00000232 J	ND (0.00000164) U	0.0000133 EMPCJ	ND (0.00000525)		ND (0.00000171)
TOTAL PCB (CONGENERS)	UG/L	T										
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000151 U*	0.0000437 EMPC J	0.000055 J	0.000017 EMPC J	0.0000941 J	ND (0.00000497)		0.0000163
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0001 J	0.0000446 EMPC J	0.0000371 J	0.0000271 EMPC J	0.0000537 J	ND (0.00000598)		0.000327
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000257 EMPCJ	0.00006 EMPC J	0.0000145 J	0.0000439 EMPC J	0.0000305 EMPCJ	0.0000261 B		0.000031
ALUMINUM	UG/L	D	16000	UG/L	ND (80.2)	125 J	174 J	ND (80.2)	ND (80.2)		ND (80.2)	ND (83.4)
ALUMINUM	UG/L	T	16000	UG/L	143 J	494 J	1490 J	479	294		ND (80.2)	ND (83.4)
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)			
ARSENIC	UG/L	D	10	UG/L	0.82 J	ND (0.7)	ND (0.7)	ND (0.67)	ND (0.7)			
ARSENIC	UG/L	T	10	UG/L	1 J	1.1 J	1.9 J	ND (0.67)	ND (0.7)			
BARIUM	UG/L	D	2000	UG/L	55.7	80.2	110	42.2	50.7		22.9	34.8
BARIUM	UG/L	T	2000	UG/L	68.3	76.4	95.9	43.4	57		22.9	34.1
BERYLLIUM	UG/L	T	4	UG/L	ND (0.9)	ND (0.9)	ND (0.9)	ND (0.94)	ND (0.9)		ND (1.4)	1.4 B
CADMIUM	UG/L	D	5	UG/L	ND (0.9)	ND (0.9)	0.92 J	ND (0.91)	ND (0.9)		ND (2)	ND (2)
CADMIUM	UG/L	T	5	UG/L	ND (0.9)	ND (0.9)	0.93 J	ND (0.91)	ND (0.9)		ND (2)	ND (2)
CALCIUM	UG/L	D			37600	28400	32900	90200	113000			
CALCIUM	UG/L	T			49800	27800	30900	90400	106000			
CHROMIUM	UG/L	D	100	UG/L	ND (2.3)	2.6 B	ND (2.3)	ND (2.3)	ND (2.3)			
CHROMIUM	UG/L	T	100	UG/L	5.2 J	12 B	15.3	ND (2.3)	ND (2.3)			
COBALT	UG/L	D	4.7	UG/L	^14.3	^110	^168	^11.4	^74.6		ND (2.1)	ND (2.3)
COBALT	UG/L	T	4.7	UG/L	^12.3	^113	^153	^10.1	^44.4		ND (2.1)	ND (2.3)
COPPER	UG/L	D	1300	UG/L	6.6 B	9.9 J	19.7	10.8	5 J		10.9	3.3 J
COPPER	UG/L	T	1300	UG/L	18	10.4	32.1	13.4	5.4 J		12.1	ND (2.7)
FERROUS IRON	UG/L	T			1400 J	9.2 J	210 J	36 B	1400 J			
IRON	UG/L	D	11000	UG/L	1560	61.8 J	107 J	152 J	2470		ND (52.2)	ND (52.2)
IRON	UG/L	T	11000	UG/L	2020	1310	3410	1120	3380		147 J	53.7 J
LEAD	UG/L	D	15	UG/L	0.26 J	0.16 B	0.37 J	0.12 B	0.091 B		0.31 J	ND (0.052)
LEAD	UG/L	T	15	UG/L	3.1	0.47 J	1.1	0.43 B	0.6 J		0.35 J	ND (0.052)
MAGNESIUM	UG/L	D			11500	20700	19700	40100	56300			
MAGNESIUM	UG/L	T			14100	20800	21700	39600	45800			
MANGANESE	UG/L	D	320	UG/L	^338	^1090	^1250	^537	^2040		28.4	46.3 B
MANGANESE	UG/L	T	320	UG/L	^328	^1160	^1260	^495	^2000		32.6	38.6 B
MERCURY	UG/L	D	2	UG/L	ND (0.056)	ND (0.056)	0.064 J	ND (0.056)	ND (0.056)			
MERCURY	UG/L	T	2	UG/L	ND (0.056)	ND (0.056)	0.057 J	ND (0.056)	ND (0.056)			
NICKEL	UG/L	D	300	UG/L	42.6	86.4	142	8.6 J	53.2		6.3 J	17
NICKEL	UG/L	T	300	UG/L	37.6	80.3	122	8.3 J	27.9		5.6 J	16.3
POTASSIUM	UG/L	D			4290	2320	2540	8090	11300			
POTASSIUM	UG/L	T			4840	2440	2650	8020	11300			

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-14S	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
					8/22/07	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10
					0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS	FS
SELENIUM	UG/L	T	50	UG/L	ND (9.4)	ND (9.4)	ND (9.4)	ND (9.4)	ND (9.4)			
SILVER	UG/L	D	71	UG/L	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)			
SODIUM	UG/L	D			193000	175000	137000	268000	427000			
SODIUM	UG/L	T			217000	176000	163000	275000	378000			
THALLIUM	UG/L	D	2	UG/L	ND (0.037)	0.067 J	0.14 J	ND (0.037)	ND (0.037)			
THALLIUM	UG/L	T	2	UG/L	ND (0.037)	0.059 J	0.084 J	ND (0.037)	ND (0.037)			
TITANIUM	UG/L	D			ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)			
TITANIUM	UG/L	T			6 J	8.4 J	16.7	7.5 J	6.2 J			
VANADIUM	UG/L	D			ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)			
VANADIUM	UG/L	T			1.6 J	ND (1.5)	4.4 J	1.7 J	ND (1.5)			
ZINC	UG/L	D	4700	UG/L	35.2	226	451	16.2 J	56.2		38.4	23.2
ZINC	UG/L	T	4700	UG/L	47.1	211	340	15.3 J	26.3		43.4	21.2
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			137000	32300	22400	40800	66900			
AMMONIA	UG/L	T			ND (200)	ND (200)	ND (200)	ND (200)	ND (200)			
CHLORIDE	UG/L	T			302000	264000	291000	466000	525000			
CYANIDE	UG/L	T	200	UG/L	ND (5)	ND (5)	ND (5) UJ	ND (5) UJ	ND (5)			
FERRIC IRON	UG/L	T			650	1300	3200	1100	2000			
NITRATE	UG/L	T	10000	UG/L	ND (40)	8700 J	^11100	2500 J	2000			
NITRITE	UG/L	T	1000	UG/L	ND (15) UJ	160 J	ND (15) UJ	ND (15)	ND (15) UJ			
PHOSPHORUS	UG/L	T			ND (250)	ND (250)	ND (250)	ND (250)	ND (250)			
SILICA	UG/L	T			40000 J	47400	57200	16400	21000			
SULFATE	UG/L	T			89800	94200	131000	256000	203000			
TOTAL DISSOLVED SOLIDS	UG/L	T										
TOTAL HARDNESS AS CaCO3	UG/L	T			198000	177000 J	167000	380000	401000			
TOTAL ORGANIC CARBON	UG/L	T			2700	1600 J	2500	1000 J	1400 J			
TOTAL SUSPENDED SOLIDS	UG/L	T			13600	51600	30000	7600 B	19200		3600 J	ND (3000)
COLOR QUALITATIVE (FIELD)	NS	T			clr	Clear	clr	Clear	clr		NS	NS
DISSOLVED OXYGEN (FIELD)	UG/L	T			1130	7130	2030	4000	1010		5370	3210
ODOR (FIELD)	NS	T			no	No	no	No	no		NS	NS
OVABZONE	PPM	T				NR		NR			NS	NS
OVACASING	PPM	T				NR		NR			NS	NS
REDOX (FIELD)	MV	T										
TOTAL WELL DEPTH	Feet	T									NS	NS
TURBIDITY QUANTITATIVE (FIELD)	NTU	T										
HPCDFS	UG/L	D										
HPCDFS	UG/L	T			0.0000014 U*	ND (0.00000268) U	ND (0.0000011) U	ND (0.00000102) U	ND (0.000000638) U			
TOTAL HPCDDS	UG/L	T										

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-17S	MW-17S	MW-17S	MW-17S	MW-8	MW-9R	MW-9R
					5/24/07	8/23/07	5/26/10	8/18/10	4/11/12	4/8/11	4/11/12
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	ND (0.8)	ND (0.8)					
ACETONE	UG/L	T	12000	UG/L	ND (6)	ND (6)					
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)					
CHLOROFORM	UG/L	T	80	UG/L	ND (0.8)	ND (0.8)					
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	ND (0.8)	ND (0.8)					
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	ND (0.8)					
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	ND (1)					
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	ND (2)	ND (2)					
DI-N-BUTYL PHTHALATE	UG/L	T	670	UG/L	ND (2)	ND (2)					
FLUORANTHENE	UG/L	T	630	UG/L	ND (1)	ND (1)					
NAPHTHALENE	UG/L	T	0.14	UG/L	^ND (1)	^ND (1)					
1,2,3,4,6,7,8-HPCDD	UG/L	D									
1,2,3,4,6,7,8-HPCDD	UG/L	T			0.0000797 J	0.000135 J	0.0000282 B	ND (0.0000025)	ND (0.0000013)	0.00000155 B	ND (0.000000783)
1,2,3,4,6,7,8-HPCDF	UG/L	D									
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000794) U	ND (0.00000726) U	0.000004 B	ND (0.0000011)	ND (0.000000651)	ND (0.000000658)	ND (0.000000518)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.00000136) U	ND (0.00000134) U	ND (0.000002152364)	ND (0.00000163)	ND (0.000000908)	ND (0.00000102)	ND (0.000000726)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000251) U	ND (0.000000397) U	ND (0.000001332703)	ND (0.000000953)	ND (0.000000591)	ND (0.000000344)	ND (0.000000495)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000332) U	ND (0.000000488) U	ND (0.000001481172)	ND (0.00000112)	ND (0.000000787)	ND (0.000000378)	ND (0.000000616)
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000738) U	ND (0.00000105) U	ND (0.0000009702155)	ND (0.00000103)	ND (0.000000641)	ND (0.000000561)	ND (0.000000451)
2,3,7,8-TCDF	UG/L	T			ND (0.000000736) U	ND (0.000000505) U	ND (0.0000008411053)	ND (0.000000999)	ND (0.000000433)	ND (0.000000552)	ND (0.000000449)
HPCDDS	UG/L	D									
HPCDDS	UG/L	T			0.0000199 EMPC J	0.0000403					
HXCDDS	UG/L	T			0.00000152 J	0.0000104 J					
HXCDFS	UG/L	T			ND (0.000000314) U	ND (0.000000453) U					
OCDD	UG/L	D									
OCDD	UG/L	T			0.000463	0.000479	0.00109	0.0000231 J	ND (0.00000144)	0.0000105 B	ND (0.00000139)
OCDF	UG/L	T			ND (0.00000983) U	ND (0.00000706) U	0.0000287 B	ND (0.00000288)	0.00000234 J	0.00000441 J	ND (0.00000108)
TCDDS	UG/L	T			ND (0.000000627) U	0.00000151 EMPCJ	ND (0.000001136249)	ND (0.00000136)	0.00000145 B	0.00000118 EMPC B	0.00000201 B
TCDFS	UG/L	T			ND (0.000000736) U	ND (0.000000505) U	ND (0.0000008411053)	ND (0.000000999)	ND (0.000000433)	ND (0.000000552)	ND (0.000000449)
TOTAL HPCDD	UG/L	T					0.0000614 B	ND (0.0000025)	ND (0.0000013)	0.00000289 EMPC B	ND (0.000000783)
TOTAL HPCDF	UG/L	T					0.0000135 B	ND (0.00000134)	ND (0.000000766)	ND (0.000000815)	ND (0.00000061)
TOTAL HXCDD	UG/L	T					0.0000389 EMPC	ND (0.00000157)	ND (0.000000885)	0.000000998 EMPC B	ND (0.00000059)
TOTAL PECDD	UG/L	T					0.00000432 EMPC	ND (0.0000014)	ND (0.000000837)	ND (0.000000598)	ND (0.00000067)
TOTAL PECDDS	UG/L	T			ND (0.00000525) U	0.00000118 J					
TOTAL PECDF	UG/L	T					ND (0.0000009761161)	ND (0.00000103)	ND (0.000000669)	ND (0.000000587)	ND (0.000000467)
PCB 1	UG/L	D									
PCB 1	UG/L	T			0.00000307 U*	0.00000329 EMPCJ	ND (0.00000197)	ND (0.00000135)	ND (0.00000105)	ND (0.00000146)	0.00000313 J
PCB 10	UG/L	T			ND (0.00000089) U	ND (0.00000213) U	ND (0.0000147)	ND (0.00000337)	ND (0.0000105)	ND (0.0000129)	ND (0.0000124)
PCB 105	UG/L	D	0.017	UG/L							
PCB 105	UG/L	T	0.017	UG/L	0.00000191 J	0.0000524	ND (0.00000221)	ND (0.00000108)	ND (0.000000673)	0.00000706 J	0.00000165 J
PCB 109	UG/L	D									
PCB 109	UG/L	T			ND (0.000000803) U	0.00000414 J	ND (0.00000196)	ND (0.000000849)	ND (0.000000596)	ND (0.00000155)	ND (0.000000521)
PCB 11	UG/L	T			0.0000546 U*	0.0000631 U*	0.0000255 B	0.0000282 J	ND (0.0000191)	0.000023 B	0.000012
PCB 110	UG/L	T			0.00000838 B	0.000134	0.00000733 J	0.00000502 J	0.00000153 J	0.0000181	0.00000569 J
PCB 117	UG/L	T			ND (0.00000112) U	ND (0.000002) U	ND (0.00000225)	ND (0.000000957)	ND (0.000000692)	ND (0.00000183)	ND (0.000000605)
PCB 118	UG/L	T	0.017	UG/L	0.00000473 J	0.0000884	0.00000464 J	0.00000386 J	ND (0.00000061)	0.0000108	0.00000262 J
PCB 130	UG/L	D									
PCB 130	UG/L	T			ND (0.00000111) U	0.00000771 J	ND (0.00000253)	ND (0.00000126)	ND (0.000000747)	ND (0.00000276)	ND (0.00000075)
PCB 132	UG/L	D									
PCB 132	UG/L	T			0.00000266 J	0.0000438	ND (0.00000227)	ND (0.00000109)	ND (0.000000687)	ND (0.00000247)	ND (0.00000069)
PCB 134	UG/L	T			ND (0.00000127) U	0.00000802 EMPCJ	ND (0.00000281)	ND (0.00000125)	ND (0.00000081)	ND (0.00000271)	ND (0.000000814)
PCB 136	UG/L	T			0.00000122 EMPC J	0.0000148	ND (0.00000178)	ND (0.00000102)	ND (0.000000914)	0.0000025 J	ND (0.000000701)
PCB 137	UG/L	D									
PCB 137	UG/L	T			ND (0.000000822) U	0.0000045 EMPCJ	ND (0.00000264)	ND (0.00000117)	ND (0.000000617)	ND (0.0000023)	ND (0.00000062)

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-17S	MW-17S	MW-17S	MW-17S	MW-8	MW-9R	MW-9R
					5/24/07	8/23/07	5/26/10	8/18/10	4/11/12	4/8/11	4/11/12
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	D									
PCB 141	UG/L	T			ND (0.00000838) U	0.0000173	ND (0.00000208)	ND (0.000001)	ND (0.000000654)	ND (0.00000225)	0.000000511
PCB 146	UG/L	D									
PCB 146	UG/L	T			ND (0.00000906) U	0.00000856	ND (0.00000194)	ND (0.000000929)	ND (0.00000063)	ND (0.00000204)	ND (0.000000633)
PCB 15	UG/L	D									
PCB 15	UG/L	T			ND (0.0000027) U	ND (0.00000543) U	ND (0.0000205)	0.00000372 J	ND (0.0000172)	ND (0.0000129)	ND (0.0000151)
PCB 156	UG/L	T	0.017	UG/L							
PCB 157	UG/L	T	0.017	UG/L							
PCB 158	UG/L	D									
PCB 158	UG/L	T			ND (0.00000743) U	0.0000107 EMPC	ND (0.00000166)	ND (0.000000797)	ND (0.000000473)	ND (0.00000161)	ND (0.000000475)
PCB 16	UG/L	T			0.00000311 EMPC J	ND (0.00000308) U	ND (0.00000475)	0.00000201 J	ND (0.00000196)	0.00000692 J	0.00000364 J
PCB 162	UG/L	T			ND (0.00000087) U	ND (0.00000182) U	ND (0.00000301)	ND (0.00000144)	ND (0.00000045)	ND (0.00000191)	ND (0.000000495)
PCB 164	UG/L	D									
PCB 164	UG/L	T			ND (0.000000633) U	0.00000672 J	ND (0.0000015)	ND (0.000000781)	ND (0.000000504)	ND (0.00000174)	ND (0.000000506)
PCB 167	UG/L	D	0.017	UG/L							
PCB 167	UG/L	T	0.017	UG/L	ND (0.000000911) U	ND (0.00000183) U	ND (0.00000277)	ND (0.00000141)	ND (0.000000471)	ND (0.00000194)	ND (0.000000519)
PCB 169	UG/L	T	0.000017	UG/L	ND (0.00000114) U	ND (0.00000245) U	ND (0.00000288)	ND (0.00000155)	ND (0.000000539)	ND (0.00000212)	ND (0.000000598)
PCB 17	UG/L	T			0.0000039 U*	ND (0.00000215) U	ND (0.00000393)	0.00000195 J	ND (0.00000158)	0.00000587 J	0.00000306 J
PCB 170	UG/L	D									
PCB 170	UG/L	T			0.00000197 J	0.0000141 U*	ND (0.00000303)	ND (0.00000159)	ND (0.000000822)	ND (0.00000311)	ND (0.00000108)
PCB 172	UG/L	D									
PCB 174	UG/L	D									
PCB 174	UG/L	T			ND (0.00000108) U	0.000017 B	0.00000386 J	ND (0.00000129)	ND (0.00000082)	ND (0.00000325)	ND (0.00000102)
PCB 177	UG/L	D									
PCB 177	UG/L	T			ND (0.00000117) U	0.0000113	ND (0.00000281)	ND (0.00000143)	ND (0.000000805)	ND (0.00000036)	ND (0.000000997)
PCB 178	UG/L	D									
PCB 179	UG/L	T			0.00000104 EMPC J	0.00000641 U*	ND (0.00000186)	ND (0.000000891)	ND (0.000000702)	ND (0.00000183)	ND (0.000000672)
PCB 183	UG/L	D									
PCB 183	UG/L	T			ND (0.000000883) U	0.00000664 EMPCJ	ND (0.00000242)	ND (0.00000125)	ND (0.000000613)	ND (0.00000337)	ND (0.00000076)
PCB 185	UG/L	D									
PCB 187	UG/L	T			0.00000307 EMPC J	0.0000188 B	ND (0.00000247)	0.0000023 J	ND (0.000000695)	0.00000499 J	ND (0.000000861)
PCB 189	UG/L	T	0.017	UG/L	ND (0.000000896) U	ND (0.00000205) U	ND (0.00000234)	ND (0.00000102)	ND (0.000000521)	ND (0.00000206)	ND (0.000000598)
PCB 19	UG/L	T			0.00000175 EMPC J	ND (0.00000243) U	ND (0.00000448)	ND (0.00000154)	ND (0.00000181)	ND (0.00000305)	ND (0.00000253)
PCB 190	UG/L	D									
PCB 194	UG/L	D									
PCB 194	UG/L	T			0.00000216 J	0.00000988 B	ND (0.00000288)	ND (0.00000143)	ND (0.000000692)	ND (0.00000319)	ND (0.000000736)
PCB 195	UG/L	D									
PCB 196	UG/L	D									
PCB 196	UG/L	T			ND (0.000000892) U	0.00000485 EMPCJ	ND (0.00000229)	ND (0.0000012)	ND (0.000000808)	ND (0.00000219)	ND (0.000000986)
PCB 2	UG/L	D									
PCB 2	UG/L	T			0.00000241 J	ND (0.00000171) U	ND (0.00000221)	0.00000137 J	ND (0.00000132)	ND (0.00000134)	0.00000338 J
PCB 202	UG/L	D									
PCB 202	UG/L	T			ND (0.000000666) U	ND (0.00000148) U	ND (0.00000233)	ND (0.00000109)	ND (0.000000685)	ND (0.00000166)	ND (0.000000837)
PCB 203	UG/L	D									
PCB 203	UG/L	T			ND (0.000000948) U	0.00000695 J	ND (0.00000217)	ND (0.00000114)	ND (0.000000773)	ND (0.00000195)	ND (0.000000943)
PCB 206	UG/L	D									
PCB 206	UG/L	T			ND (0.00000192) U	ND (0.00000579) U	ND (0.00000594)	ND (0.00000299)	ND (0.000000865)	ND (0.00000495)	ND (0.00000108)
PCB 207	UG/L	D									
PCB 208	UG/L	D									
PCB 208	UG/L	T			ND (0.00000127) U	ND (0.00000408) U	ND (0.00000472)	ND (0.00000198)	ND (0.00000069)	ND (0.00000368)	ND (0.000000822)
PCB 209	UG/L	D									
PCB 209	UG/L	T			0.00000314 J	0.00000709 J	ND (0.00000333)	ND (0.00000238)	0.00000254 B	0.00000525 B	ND (0.000000551)
PCB 22	UG/L	T			0.00000201 U*	ND (0.00000275) U	ND (0.00000284)	0.00000273 J	ND (0.000000912)	0.000011	0.00000316 J
PCB 25	UG/L	T			ND (0.00000106) U	ND (0.00000246) U	ND (0.00000262)	ND (0.00000123)	0.00000177 J	ND (0.0000019)	0.00000552 J

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-17S	MW-17S	MW-17S	MW-17S	MW-8	MW-9R	MW-9R
					5/24/07	8/23/07	5/26/10	8/18/10	4/11/12	4/8/11	4/11/12
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS
PCB 3	UG/L	D									
PCB 3	UG/L	T			0.00000325 U*	ND (0.0000017) U	ND (0.00000258)	0.0000035 J	ND (0.00000127)	ND (0.00000154)	0.00000288 J
PCB 31	UG/L	T			0.00000615 U*	0.00000577 U*	0.00000481 J	0.00000692 J	0.00000926 B	0.0000178	0.00000353 B
PCB 32	UG/L	T			0.00000201 J	ND (0.00000151) U	0.00000399 J	0.00000114 J	ND (0.00000113)	0.00000859 B	0.0000029 J
PCB 37	UG/L	T			0.00000173 J	ND (0.00000295) U	ND (0.0000033)	0.00000247 J	ND (0.000000862)	0.00000866 J	0.00000265 J
PCB 4	UG/L	D									
PCB 4	UG/L	T			0.00000645 U*	0.00000771 J	ND (0.0000257)	0.00000238 J	ND (0.0000173)	ND (0.0000173)	ND (0.0000204)
PCB 41	UG/L	T			ND (0.00000108) U	ND (0.00000208) U	ND (0.00000338)	ND (0.00000144)	ND (0.00000083)	0.00000405 J	ND (0.000000851)
PCB 42	UG/L	T			ND (0.0000011) U	ND (0.00000231) U	ND (0.00000322)	ND (0.00000143)	ND (0.000000759)	0.00000712 J	0.00000195 J
PCB 45	UG/L	T			ND (0.000000946) U	ND (0.00000197) U	ND (0.00000316)	ND (0.00000175)	ND (0.000000758)	0.0000046 J	ND (0.000000777)
PCB 48	UG/L	T			ND (0.000000909) U	ND (0.00000185) U	ND (0.00000277)	ND (0.00000124)	ND (0.00000071)	0.00000536 J	0.000000821 J
PCB 51	UG/L	T			0.00000272 EMPC J	ND (0.00000194) U	ND (0.00000294)	0.0000139	0.000104 B	ND (0.00000189)	0.000137 B
PCB 52	UG/L	T			0.00000798 U*	0.0000455 U*	0.00000877 B	0.00000633 J	0.000000977 B	0.000022	0.00000495 B
PCB 56	UG/L	T			0.00000142 J	ND (0.00000241) U	ND (0.00000259)	0.00000164 J	ND (0.000000562)	0.000014	0.00000463 J
PCB 6	UG/L	D									
PCB 6	UG/L	T			ND (0.0000025) U	ND (0.00000502) U	ND (0.0000163)	ND (0.00000543)	ND (0.0000195)	ND (0.0000109)	ND (0.0000171)
PCB 60	UG/L	T			ND (0.000000901) U	ND (0.00000212) U	ND (0.0000026)	ND (0.000000705)	ND (0.00000053)	0.0000092	0.00000217 J
PCB 64	UG/L	T			0.00000175 J	0.00000548 U*	0.00000284 J	ND (0.00000104)	ND (0.000000502)	0.0000123	0.00000312 J
PCB 66	UG/L	T			0.00000249 J	0.0000102 U*	0.00000315 J	0.00000324 J	ND (0.000000566)	0.0000205	0.00000664 J
PCB 68	UG/L	T			0.000000929 EMPC J	ND (0.00000216) U	ND (0.00000279)	0.0000223	0.000037 B	ND (0.00000214)	0.000079 B
PCB 7	UG/L	T			ND (0.00000227) U	ND (0.00000445) U	ND (0.0000154)	ND (0.00000528)	ND (0.0000181)	ND (0.0000105)	ND (0.0000158)
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000101) U	ND (0.00000264) U	ND (0.00000323)	ND (0.000000892)	ND (0.000000491)	0.00000375 J	ND (0.000000664)
PCB 8	UG/L	T			0.00000726 U*	0.00000606 J	ND (0.000016)	0.00000488 J	ND (0.0000187)	0.00000779 J	ND (0.0000164)
PCB 82	UG/L	T			ND (0.00000151) U	0.0000124	ND (0.00000327)	ND (0.00000146)	ND (0.000000949)	ND (0.00000264)	0.000000952 J
PCB 84	UG/L	T			ND (0.00000125) U	0.0000262 U*	ND (0.0000031)	ND (0.0000014)	ND (0.000000897)	0.00000526 J	0.00000171 J
PCB 9	UG/L	T			ND (0.00000254) U	ND (0.00000507) U	ND (0.0000158)	ND (0.00000536)	ND (0.0000205)	ND (0.000011)	ND (0.000018)
PCB 91	UG/L	T			ND (0.000000955) U	0.00000605 U*	ND (0.00000308)	ND (0.00000126)	ND (0.000000747)	0.00000245 J	0.00000229 J
PCB 92	UG/L	T			ND (0.00000132) U	0.0000124	ND (0.000003)	ND (0.00000138)	ND (0.00000083)	ND (0.00000233)	ND (0.000000726)
PCB 95	UG/L	T			0.00000617 U*	0.0000599 U*	0.00000812 J	0.00000466 J	ND (0.000000788)	0.0000131 EMPC	0.00000349 J
PCB 99	UG/L	T			0.00000287 U*	0.0000254 U*	ND (0.00000234)	0.0000021 J	ND (0.000000797)	0.00000526 J	0.00000235 J
PCB-106/118	UG/L	T									
PCB-108/119/86/97/125/87	UG/L	T			0.00000557 J	0.0000716 U*	ND (0.00000264)	0.00000449 J	ND (0.000000692)	0.0000125	0.00000338 J
PCB-113/90/101	UG/L	T			0.00000836 U*	0.0000773 U*	0.00000747 J	0.00000536 J	ND (0.000000711)	0.0000133	0.00000391 J
PCB-116/85	UG/L	D									
PCB-116/85	UG/L	T			ND (0.00000096) U	0.0000102 EMPC J	ND (0.00000314)	ND (0.00000139)	ND (0.00000066)	ND (0.00000188)	0.000000778 J
PCB-128/166	UG/L	D									
PCB-128/166	UG/L	T			0.00000157 J	0.0000263	ND (0.00000301)	ND (0.00000135)	ND (0.000000548)	ND (0.00000225)	ND (0.000000604)
PCB-147/149	UG/L	T			0.00000641 U*	0.0000641	0.00000473 J	0.00000417 J	ND (0.000000621)	0.0000135	0.00000208 B
PCB-151/135	UG/L	T			ND (0.000000901) U	0.0000245	ND (0.00000223)	ND (0.00000108)	ND (0.000000636)	0.00000666 J	0.000000765 J
PCB-153/168	UG/L	D									
PCB-153/168	UG/L	T			0.00000789 U*	0.0000557	0.00000674 J	0.00000382 J	0.0000011 B	0.0000108	0.00000173 B
PCB-156/157	UG/L	D									
PCB-156/157	UG/L	T			ND (0.0000012) U	0.0000147 J	ND (0.00000369)	ND (0.00000183)	ND (0.000000616)	ND (0.00000255)	ND (0.000000698)
PCB-163/138/129	UG/L	D									
PCB-163/138/129	UG/L	T			0.00000731 U*	0.00011	0.00000825 J	0.00000497 J	0.00000129 B	0.00000899 EMPC	0.0000023 B
PCB-171/173	UG/L	D									
PCB-180/193	UG/L	D									
PCB-180/193	UG/L	T			0.00000559 J	0.0000289 U*	0.00000464 J	0.00000276 J	ND (0.000000674)	0.00000558 J	ND (0.000000835)
PCB-198/199	UG/L	D									
PCB-198/199	UG/L	T			ND (0.00000106) U	0.00000995 U*	ND (0.00000249)	ND (0.00000123)	ND (0.000000811)	ND (0.00000217)	ND (0.000000099)
PCB-21/33	UG/L	T			0.00000369 U*	ND (0.00000238) U	ND (0.00000323)	0.00000403 J	0.00000356 B	0.000011	0.00000074 J
PCB-26/29	UG/L	T			ND (0.00000106) U	ND (0.00000258) U	ND (0.00000287)	ND (0.00000139)	ND (0.000000859)	0.0000038 J	ND (0.000000098)
PCB-28/20	UG/L	T			0.0000083 U*	0.00000593 U*	0.00000829 B	0.00000868 J	0.000000993 B	0.000021 B	0.00000541 B
PCB-30/18	UG/L	T			0.00000892 U*	0.00000717 U*	0.00000541 J	0.00000341 J	ND (0.00000135)	0.0000129 EMPC	0.0000058 J

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					5/24/07	8/23/07	5/26/10	8/18/10	4/11/12	4/8/11	4/11/12
					0	0	0	0	0	0	0
					0	0	0	0	0	0	0
					FS	FS	FS	FS	FS	FS	FS
PCB-44/47/65	UG/L	T			0.0000127 J	0.000019 J	0.0000857 J	0.0000212	0.0000301 B	0.0000247	0.0000542 B
PCB-50/53	UG/L	T			ND (0.0000009) U	ND (0.0000187) U	ND (0.0000305)	ND (0.000016)	ND (0.0000068)	0.0000359 J	ND (0.00000698)
PCB-59/62/75	UG/L	T			ND (0.00000706) U	ND (0.0000144) U	ND (0.0000248)	ND (0.0000108)	ND (0.00000522)	0.000003 J	ND (0.00000536)
PCB-61/70/74/76	UG/L	T			0.00000577 J	0.000034 U*	0.00000759 J	0.00000691 J	0.00000891 J	0.0000344	0.0000106
PCB-69/49	UG/L	T			0.00000304 J	0.00000876 U*	ND (0.00000272)	0.00000315 J	0.00000116 J	0.0000138	0.00000347 J
PCB-71/40	UG/L	T			0.00000201 J	ND (0.00000202) U	ND (0.00000273)	0.00000152 J	ND (0.000000698)	0.0000143	0.00000432 J
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T									
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000683 U*	0.0000768 J	0.0000255 B	0.0000392	ND (0.0000173)	0.0000308 B	0.000012
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D									
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000117 EMPC J	0.000103 EMPCJ	0.0000085 EMPC	0.00000506 EMPC	ND (0.000000688)	0.0000106 EMPC	ND (0.000000792)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000271 EMPC J	0.000417 EMPCJ	0.0000197	0.000013 EMPC	0.00000239 B	0.0000425 EMPC	0.00000738 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D									
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000873 J	0.00000329 EMPCJ	ND (0.00000227)	0.00000487 EMPC	ND (0.00000116)	ND (0.0000015)	0.00000939
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D									
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000159) U	ND (0.00000494) U	ND (0.00000533)	ND (0.00000248)	ND (0.000000777)	ND (0.00000431)	ND (0.00000095)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D									
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000216 J	0.0000316 EMPCJ	ND (0.00000246)	ND (0.00000123)	ND (0.000000619)	ND (0.00000194)	ND (0.000000712)
TOTAL PCB (CONGENERS)	UG/L	T									
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000038 EMPC J	0.00058 EMPCJ	0.0000276 EMPC	0.0000255 EMPC	0.00000153	0.0000878 EMPC	0.0000288
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000408 EMPC J	0.000123 J	0.0000309	0.0000803 EMPC	0.000174 B	0.000197 EMPC	0.000312 B
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000416 EMPC J	0.0000189 U*	0.0000225 B	0.0000333 EMPC	0.00000725 B	0.000108 EMPC	0.0000431
ALUMINUM	UG/L	D	16000	UG/L	ND (80.2) UJ	394	ND (80.2)	ND (83.4)			
ALUMINUM	UG/L	T	16000	UG/L	ND (80.2) UJ	ND (80.2)	967	ND (83.4)			
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)	^10.2 J					
ARSENIC	UG/L	D	10	UG/L	ND (0.7) UJ	1.5 J					
ARSENIC	UG/L	T	10	UG/L	ND (0.7) UJ	1.4 J				1.2 J	
BARIUM	UG/L	D	2000	UG/L	159	209	189	196			
BARIUM	UG/L	T	2000	UG/L	143	205	240	198			
BERYLLIUM	UG/L	T	4	UG/L	ND (0.9)	ND (0.9)	ND (1.4)	1.4 B			
CADMIUM	UG/L	D	5	UG/L	ND (0.9)	ND (0.9)	ND (2)	ND (2)			
CADMIUM	UG/L	T	5	UG/L	ND (0.9)	ND (0.9)	ND (2)	ND (2)			
CALCIUM	UG/L	D			111000	89900					
CALCIUM	UG/L	T			101000	87800					
CHROMIUM	UG/L	D	100	UG/L	ND (2.3)	7.9 J					
CHROMIUM	UG/L	T	100	UG/L	5.4 B	22.7					
COBALT	UG/L	D	4.7	UG/L	^7.5	^7.1	^5.7	4.4 J			
COBALT	UG/L	T	4.7	UG/L	^8.9	^8.7	^6.5	^4.9 J			
COPPER	UG/L	D	1300	UG/L	ND (2.2)	9.8 B	3.8 J	3.4 J			
COPPER	UG/L	T	1300	UG/L	3.9 J	13.1 B	13	3.8 J			
FERROUS IRON	UG/L	T			20400 J	38800 J					
IRON	UG/L	D	11000	UG/L	1940	^35100	^21700	3250			
IRON	UG/L	T	11000	UG/L	^22000	^42700	^37600	4970			
LEAD	UG/L	D	15	UG/L	0.079 J	0.91 J	0.088 J	0.061 J			
LEAD	UG/L	T	15	UG/L	0.55 J	1	2	0.11 J			
MAGNESIUM	UG/L	D			58500	51700					
MAGNESIUM	UG/L	T			51000	51400					
MANGANESE	UG/L	D	320	UG/L	^10200	^6890	^10200	^7020			
MANGANESE	UG/L	T	320	UG/L	^9220	^6300	^9230	^7190		144	
MERCURY	UG/L	D	2	UG/L	ND (0.056)	ND (0.056) UJ					
MERCURY	UG/L	T	2	UG/L	ND (0.056)	ND (0.056)					
NICKEL	UG/L	D	300	UG/L	13	23.3	8 J	5.6 J			
NICKEL	UG/L	T	300	UG/L	12.8	24.8	13.4	5.1 J			
POTASSIUM	UG/L	D			4640	4660					
POTASSIUM	UG/L	T			4200	4630					

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				Date	5/24/07	8/23/07	5/26/10	8/18/10	4/11/12	4/8/11	4/11/12
				Top (ft)	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS
SELENIUM	UG/L	T	50	UG/L	ND (9.4)	ND (9.4)					
SILVER	UG/L	D	71	UG/L	2.3 J	ND (1.6)					
SODIUM	UG/L	D			155000	151000					
SODIUM	UG/L	T			141000	148000					
THALLIUM	UG/L	D	2	UG/L	ND (0.037)	ND (0.037)					
THALLIUM	UG/L	T	2	UG/L	ND (0.037)	ND (0.037)				ND (0.15)	
TITANIUM	UG/L	D			ND (2.8)	16.6					
TITANIUM	UG/L	T			ND (2.8)	ND (2.8)					
VANADIUM	UG/L	D			ND (1.5)	ND (1.5)					
VANADIUM	UG/L	T			ND (1.5)	2.1 J					
ZINC	UG/L	D	4700	UG/L	25.6	76	62.7	11.8 B			
ZINC	UG/L	T	4700	UG/L	29.2	33.7	116	13 B			
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			150000 J	172000					
AMMONIA	UG/L	T			1200 B	1700					
CHLORIDE	UG/L	T			349000	371000					
CYANIDE	UG/L	T	200	UG/L	ND (5) UJ	ND (5)					
FERRIC IRON	UG/L	T			1700 J	3900 J					
NITRATE	UG/L	T	10000	UG/L	ND (40)	ND (40)					
NITRITE	UG/L	T	1000	UG/L	ND (15) UJ	23 J					
PHOSPHORUS	UG/L	T			ND (250)	ND (250)					
SILICA	UG/L	T			19700 J	24600 J					
SULFATE	UG/L	T			195000	169000					
TOTAL DISSOLVED SOLIDS	UG/L	T									
TOTAL HARDNESS AS CaCO3	UG/L	T			568000 J	533000					
TOTAL ORGANIC CARBON	UG/L	T			4300	7800					
TOTAL SUSPENDED SOLIDS	UG/L	T			66000	84000	148000	11200 J			
COLOR QUALITATIVE (FIELD)	NS	T			Lt. Tan	clr	NS	NS		Clear	
DISSOLVED OXYGEN (FIELD)	UG/L	T			1700	690	5550	760		520	
ODOR (FIELD)	NS	T			No	no	NS	NS		None	
OVABZONE	PPM	T			NR		NS	NS			
OVACASING	PPM	T			NR		NS	NS			
REDOX (FIELD)	MV	T									
TOTAL WELL DEPTH	Feet	T					NS	NS			
TURBIDITY QUANTITATIVE (FIELD)	NTU	T									
HPCDFS	UG/L	D									
HPCDFS	UG/L	T			ND (0.00000103) U	ND (0.000000974) U					
TOTAL HPCDDS	UG/L	T									

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	
			Human Health			Date	6/13/05	6/13/05	7/21/05	7/21/05	8/23/05	9/22/05	10/12/05	11/15/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0		
Duplicate	DUP	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05										
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06										
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05										
1,2-DICHLOROBENZENE	UG/L	T		2.83E+09	2.06E+04										
1,4-DICHLOROBENZENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05										
ACETONE	UG/L	T		4.08E+11	4.41E+07										
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07										
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04										
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04										
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04										
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05										
ETHYL CHLORIDE	UG/L	T													
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06										
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06										
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08										
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06										
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06										
TOLUENE	UG/L	T		3.52E+09	5.88E+04										
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05										
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05										
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07										
XYLENES	UG/L	T		5.98E+09	3.82E+05										
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07										
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05										
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09											
ACENAPHTHENE	UG/L	T		1.01E+09											
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02										
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02										
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05										
CARBAZOLE	UG/L	T		5.29E+08											
CHRYSENE	UG/L	T	9.83E+01		1.18E+02										
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05										
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05										
FLUORENE	UG/L	T		5.29E+08	8.82E+04										
HEXACHLOROBENZENE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04										
PHENANTHRENE	UG/L	T			1.18E+04										
1,2,3,4,6,7,8-HPCDD	UG/L	T					0.00000348		0.00000258	0.0000104	0.0000363	0.00000448	ND (0.00000397)		
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.00000108)		ND (0.00000776)	ND (0.00000443)	ND (0.00000383)	ND (0.00000957)	ND (0.00000847)		
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.00000103)		ND (0.00000957)	ND (0.00000651)	ND (0.00000405)	ND (0.0000011)	ND (0.000001)		
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.00000168)		ND (0.00000157)	ND (0.00000113)	ND (0.00000682)	ND (0.0000021)	ND (0.00000148)		
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.00000729)		ND (0.00000411)	ND (0.00000352)	ND (0.00000382)	ND (0.00000629)	ND (0.00000577)		
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.00000171)		ND (0.00000151)	ND (0.00000116)	ND (0.0000018)	ND (0.00000218)	ND (0.00000142)		
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.00000708)		ND (0.0000004)	ND (0.00000358)	ND (0.00000377)	ND (0.00000571)	ND (0.00000054)		
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.0000017)		ND (0.00000145)	ND (0.00000113)	ND (0.00000189)	ND (0.00000202)	ND (0.00000137)		
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.00000702)		ND (0.0000081)	ND (0.00000563)	ND (0.00000587)	ND (0.00000108)	ND (0.00000901)		
1,2,3,7,8-PECDF	UG/L	T					ND (0.00000348)		ND (0.00000124)	ND (0.00000127)	ND (0.00000521)	ND (0.00000135)	ND (0.00000138)		
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.00000483)		ND (0.00000462)	ND (0.00000369)	ND (0.00000423)	ND (0.00000637)	ND (0.00000566)		
2,3,4,7,8-PECDF	UG/L	T					ND (0.0000029)		ND (0.00000105)	ND (0.00000971)	ND (0.00000435)	ND (0.0000011)	ND (0.00000112)		
2,3,7,8-TCDD	UG/L	T					ND (0.00000114)		ND (0.00000829)	ND (0.00000437)	ND (0.00000437)	ND (0.00000101)	ND (0.00000788)		
2,3,7,8-TCDF	UG/L	T					ND (0.0000014)		ND (0.00000153)	ND (0.00000532)	ND (0.00000308)	ND (0.00000101)	ND (0.00000883)		
HPCDDS	UG/L	T													
HXCDDS	UG/L	T					0.00000266		0.00000184	0.00000827	0.0000372	0.00000394	0.00000376		
HXCDFS	UG/L	T					ND (0.00000835)		ND (0.00000501)	ND (0.00000402)	ND (0.00000436)	ND (0.00000699)	ND (0.00000632)		
OCDD	UG/L	T					0.000136		0.0000641	0.000438	0.00185	0.000167	0.000131		
OCDF	UG/L	T					ND (0.00000732)		ND (0.00000136)	ND (0.00000322)	0.00000339 B	ND (0.00000268)	ND (0.00000298)		
TCDDS	UG/L	T					ND (0.00000114)		ND (0.00000829)	ND (0.00000079)	0.00000454	ND (0.00000101)	ND (0.00000788)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location Date	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01			
			Human Health				Duplicate	6/13/05	6/13/05	7/21/05	7/21/05	8/23/05	9/22/05	10/12/05	11/15/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
TCDFS	UG/L	T				DUP		0.0000111		ND (0.00000153)	ND (0.000000532)	ND (0.000000308)	ND (0.00000101)	ND (0.000000883)		
TOTAL HPCDD	UG/L	T														
TOTAL HPCDF	UG/L	T														
TOTAL HXCDD	UG/L	T														
TOTAL HXCDF	UG/L	T														
TOTAL PECDD	UG/L	T														
TOTAL PECDDS	UG/L	T						ND (0.00000173)		ND (0.000000747)	ND (0.00000111)	0.00000393	ND (0.00000125)	ND (0.000000858)		
TOTAL PECDF	UG/L	T														
TOTAL PECDFS	UG/L	T						ND (0.00000317)		ND (0.00000114)	ND (0.00000111)	ND (0.000000476)	ND (0.00000122)	ND (0.00000124)		
PCB 1	UG/L	D														
PCB 10	UG/L	T														
PCB 103	UG/L	T														
PCB 105	UG/L	T						ND (0.000049)		0.0000125	ND (0.0000105)	ND (0.00000851)	ND (0.00000488)	ND (0.0000111)		
PCB 109	UG/L	T														
PCB 11	UG/L	T														
PCB 110	UG/L	T														
PCB 114	UG/L	T						ND (0.000049)		ND (0.0000071)	ND (0.0000123)	ND (0.00000957)	ND (0.00000543)	ND (0.0000121)		
PCB 117	UG/L	T														
PCB 118	UG/L	T														
PCB 123	UG/L	T						ND (0.000049)		ND (0.00000668)	ND (0.0000138)	ND (0.0000113)	ND (0.00000779)	ND (0.00000973)		
PCB 130	UG/L	T														
PCB 131	UG/L	T														
PCB 132	UG/L	T														
PCB 133	UG/L	T														
PCB 134	UG/L	T														
PCB 136	UG/L	T														
PCB 137	UG/L	T														
PCB 141	UG/L	T														
PCB 144	UG/L	T														
PCB 146	UG/L	T														
PCB 148	UG/L	T														
PCB 15	UG/L	T														
PCB 150	UG/L	T														
PCB 154	UG/L	T														
PCB 156	UG/L	T						ND (0.000049)		ND (0.00000141)	ND (0.00000186)	ND (0.00000268)	ND (0.0000025)	ND (0.00000519)		
PCB 157	UG/L	T						ND (0.000049)		ND (0.00000141)	ND (0.00000194)	ND (0.00000288)	ND (0.00000263)	ND (0.00000557)		
PCB 158	UG/L	T														
PCB 159	UG/L	T														
PCB 16	UG/L	T														
PCB 160	UG/L	T														
PCB 162	UG/L	T														
PCB 164	UG/L	T														
PCB 167	UG/L	T						ND (0.000049)		ND (0.00000155)	ND (0.00000189)	ND (0.00000276)	ND (0.00000265)	ND (0.00000536)		
PCB 169	UG/L	T						ND (0.000049)		0.0000041 B	0.00000364 B	ND (0.00000676)	0.0000036	ND (0.00000791)		
PCB 17	UG/L	T														
PCB 170	UG/L	T														
PCB 172	UG/L	T														
PCB 174	UG/L	T														
PCB 175	UG/L	T														
PCB 176	UG/L	T														
PCB 177	UG/L	T														
PCB 178	UG/L	T														
PCB 179	UG/L	T														
PCB 183	UG/L	T														
PCB 185	UG/L	T														
PCB 187	UG/L	T														
PCB 189	UG/L	T						ND (0.000049)		ND (0.000000994)	ND (0.00000138)	ND (0.0000014)	ND (0.000000986)	ND (0.00000352)		
PCB 19	UG/L	T														

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01		
			Human Health			Ecological (DF=29,412)	Date	6/13/05	6/13/05	7/21/05	7/21/05	8/23/05	9/22/05	10/12/05	11/15/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Top (ft)		0	0	0	0	0	0	0		
							Bottom (ft)	0	0	0	0	0	0		
			Duplicate			DUP	FS	DUP	FS	FS	FS	FS			
PCB 190	UG/L	T													
PCB 191	UG/L	T													
PCB 194	UG/L	T													
PCB 195	UG/L	T													
PCB 196	UG/L	T													
PCB 197	UG/L	T													
PCB 2	UG/L	T													
PCB 200	UG/L	T													
PCB 201	UG/L	T													
PCB 202	UG/L	T													
PCB 203	UG/L	T													
PCB 205	UG/L	T													
PCB 206	UG/L	T													
PCB 207	UG/L	T													
PCB 208	UG/L	T													
PCB 209	UG/L	T													
PCB 22	UG/L	T													
PCB 23	UG/L	T													
PCB 25	UG/L	T													
PCB 27	UG/L	T													
PCB 3	UG/L	T													
PCB 31	UG/L	T													
PCB 32	UG/L	T													
PCB 34	UG/L	T													
PCB 35	UG/L	T													
PCB 37	UG/L	T													
PCB 38	UG/L	T													
PCB 39	UG/L	T													
PCB 4	UG/L	D													
PCB 4	UG/L	T													
PCB 41	UG/L	T													
PCB 42	UG/L	T													
PCB 43	UG/L	T													
PCB 45	UG/L	T													
PCB 46	UG/L	T													
PCB 48	UG/L	T													
PCB 5	UG/L	T													
PCB 51	UG/L	T													
PCB 52	UG/L	T													
PCB 54	UG/L	T													
PCB 56	UG/L	T													
PCB 57	UG/L	T													
PCB 6	UG/L	T													
PCB 60	UG/L	T													
PCB 63	UG/L	T													
PCB 64	UG/L	T													
PCB 66	UG/L	T													
PCB 67	UG/L	T													
PCB 68	UG/L	T													
PCB 7	UG/L	T													
PCB 72	UG/L	T													
PCB 77	UG/L	T					ND (0.000049)		0.00000797	0.00000305 B	0.00000283 B	ND (0.00000233)	0.00000659 B		
PCB 8	UG/L	T													
PCB 82	UG/L	T													
PCB 83	UG/L	T													
PCB 84	UG/L	T													
PCB 88	UG/L	T													
PCB 9	UG/L	T													
PCB 91	UG/L	T													

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	
			Human Health			Date	6/13/05	6/13/05	7/21/05	7/21/05	8/23/05	9/22/05	10/12/05	11/15/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0		
			Duplicate	DUP	FS	DUP	FS	FS	FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05										
COBALT	UG/L	T													
COPPER	UG/L	D		1.58E+10	2.68E+05										
COPPER	UG/L	T													
FERROUS IRON	UG/L	T													
IRON	UG/L	D		2.77E+11	2.94E+07										
IRON	UG/L	T													
LEAD	UG/L	D			4.71E+05										
LEAD	UG/L	T				ND (8.4)	ND (8.4)				ND (8.4)				
MAGNESIUM	UG/L	D													
MAGNESIUM	UG/L	T													
MANGANESE	UG/L	D		5.53E+10	3.38E+07										
MANGANESE	UG/L	T				6850	6300	18200	15200	9890	8060	6770	5470		
MERCURY	UG/L	D		1.19E+08	3.53E+02										
MERCURY	UG/L	T													
NICKEL	UG/L	D		1.00E+10	3.59E+06										
NICKEL	UG/L	T													
POTASSIUM	UG/L	D													
POTASSIUM	UG/L	T													
SELENIUM	UG/L	D		1.98E+09	1.47E+05										
SELENIUM	UG/L	T													
SILVER	UG/L	D		2.21E+09	2.65E+05										
SILVER	UG/L	T													
SODIUM	UG/L	D													
SODIUM	UG/L	T													
THALLIUM	UG/L	D		3.95E+06	1.18E+06										
THALLIUM	UG/L	T				ND (10)	ND (10)	29.7 J	37.6 J	ND (10)	ND (10)	ND (10)	ND (10)		
TITANIUM	UG/L	D													
TITANIUM	UG/L	T													
VANADIUM	UG/L	D		2.77E+07	5.88E+05										
VANADIUM	UG/L	T													
ZINC	UG/L	D		1.33E+11	2.41E+06										
ZINC	UG/L	T													
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T													
AMMONIA	UG/L	T		1.34E+13											
CHLORIDE	UG/L	T													
CYANIDE	UG/L	T		8.45E+09	1.53E+05										
FERRIC IRON	UG/L	T													
NITRATE	UG/L	T		6.32E+11											
NITRITE	UG/L	T		3.95E+10											
PHOSPHORUS	UG/L	T													
SILICA	UG/L	T													
SULFATE	UG/L	T													
SULFIDE	UG/L	T													
TOTAL DISSOLVED SOLIDS	UG/L	T													
TOTAL HARDNESS AS CaCO3	UG/L	T													
TOTAL ORGANIC CARBON	UG/L	T													
TOTAL SUSPENDED SOLIDS	UG/L	T													
COLOR QUALITATIVE (FIELD)	NS	T					clear		clear	clear orangish	brown	cloudy	clear		
DEPTH TO WATER FROM TOC	Feet	T													
DISSOLVED OXYGEN (FIELD)	UG/L	T					370		-90	9920	0	0	0		
ODOR (FIELD)	NS	T					none		none	none none none none					
OVABZONE	PPM	T					NR		NR		NR	NR	NR		
OVACASING	PPM	T					NR		NR		NR	NR	NR		
REDOX (FIELD)	MV	T							N/A	NR		NR	NR		
TOTAL WELL DEPTH	Feet	T													
TURBIDITY QUANTITATIVE (FIELD)	NTU	T					low								
HPCDFS	UG/L	T					ND (0.00000118)		ND (0.000000855)	ND (0.000000537)	ND (0.000000392)	ND (0.00000102)	ND (0.000000915)		
TOTAL HPCDDS	UG/L	T					0.00000793		0.00000258	0.00000242	0.0000908	0.0000109	ND (0.00000825)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Human Health			Date	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	5/14/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								ND (0.8)
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								ND (1)
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								ND (0.8)
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04								ND (0.9)
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								ND (0.9)
ACETONE	UG/L	T		4.08E+11	4.41E+07								ND (6)
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								ND (0.5)
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								ND (1)
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								ND (0.8)
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								ND (0.8)
ETHYL CHLORIDE	UG/L	T											ND (1)
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								ND (0.8)
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								ND (1)
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								ND (3)
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								ND (2)
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								ND (0.8)
TOLUENE	UG/L	T		3.52E+09	5.88E+04								ND (0.7)
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								ND (0.8)
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								ND (1)
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								ND (1)
XYLENES	UG/L	T		5.98E+09	3.82E+05								ND (0.8)
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								ND (3) R
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								ND (0.9)
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									ND (0.9) R
ACENAPHTHENE	UG/L	T		1.01E+09									ND (0.9)
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								ND (0.9)
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								ND (0.9)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								ND (2)
CARBAZOLE	UG/L	T		5.29E+08									ND (0.9)
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								ND (0.9)
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								ND (0.9)
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								ND (2)
FLUORENE	UG/L	T		5.29E+08	8.82E+04								ND (0.9)
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		ND (0.9)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								ND (0.9)
PHENANTHRENE	UG/L	T			1.18E+04								ND (0.9)
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.0000536	0.0000093	0.0000104	0.00000607	0.0000101	ND (0.0000032)	0.0000103 B	
1,2,3,4,6,7,8-HPCDF	UG/L	T				0.00000921	ND (0.000011)	ND (0.0000152)	ND (0.00000915)	ND (0.00000185)	ND (0.0000165)	ND (0.00000826)	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000144)	ND (0.00000101)	ND (0.00000146)	ND (0.00000437)	ND (0.00000187)	ND (0.00000167)	ND (0.00000126)	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000125)	ND (0.00000235)	ND (0.00000131)	ND (0.00000138)	ND (0.000000311)	ND (0.00000185)	ND (0.000000522)	
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.00000447)	ND (0.00000506)	ND (0.0000005)	ND (0.00000359)	ND (0.00000145)	ND (0.0000012)	ND (0.00000147)	
1,2,3,6,7,8-HXCDD	UG/L	T				0.00000272	ND (0.0000025)	ND (0.00000142)	ND (0.00000146)	0.000000411	ND (0.00000194)	ND (0.000000519)	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000449)	ND (0.00000053)	ND (0.0000005)	ND (0.00000344)	ND (0.00000135)	ND (0.00000103)	ND (0.00000013)	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000121)	ND (0.00000235)	ND (0.00000133)	ND (0.00000137)	ND (0.00000053)	ND (0.00000191)	ND (0.000000561)	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.000000914)	ND (0.000000819)	ND (0.000000849)	ND (0.000000585)	ND (0.000000199)	ND (0.00000162)	ND (0.000000211)	
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000119)	ND (0.00000111)	ND (0.00000188)	ND (0.00000052)	ND (0.000000223)	ND (0.00000107)	ND (0.000000534)	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000538)	ND (0.000000547)	ND (0.000000534)	ND (0.00000038)	ND (0.000000142)	ND (0.00000128)	ND (0.000000162)	
2,3,4,7,8-PECDF	UG/L	T				ND (0.0000012)	ND (0.000000989)	ND (0.00000158)	ND (0.00000046)	ND (0.00000021)	ND (0.00000101)	ND (0.000000508)	
2,3,7,8-TCDD	UG/L	T				ND (0.000000817)	ND (0.000000728)	ND (0.00000186)	ND (0.000000432)	ND (0.000000264)	ND (0.00000174)	ND (0.000000228)	
2,3,7,8-TCDF	UG/L	T				ND (0.000000755)	ND (0.000000673)	ND (0.00000131)	ND (0.00000045)	ND (0.000000279)	ND (0.0000021)	ND (0.000000224)	
HPCDDS	UG/L	T											0.0000251 B
HXCDDS	UG/L	T				0.0000171	0.00000566	0.00000968	0.00000477	0.0000129	ND (0.0000019)	0.00000381	
HXCDFS	UG/L	T				0.0000117	ND (0.000000592)	ND (0.000000586)	ND (0.000000406)	ND (0.000000155)	ND (0.00000128)	ND (0.000000159)	
OCDD	UG/L	T				0.000693	0.000375	0.00058	0.000334	0.000529	0.000378	0.000418 B	
OCDF	UG/L	T				0.0000376	ND (0.00000303)	0.00000589	ND (0.00000202)	0.00000122 B	ND (0.00000362)	ND (0.00000283)	
TCDDS	UG/L	T				ND (0.000000817)	ND (0.000000728)	ND (0.00000186)	0.000000542	0.00000054 B	ND (0.00000174)	0.00000127	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Human Health				MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	5/14/07
							0	0	0	0	0	0	0
TCDFS	UG/L	T				ND (0.00000755)	ND (0.00000673)	ND (0.0000131)	ND (0.0000045)	ND (0.00000279)	ND (0.0000021)	ND (0.00000224)	
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL HXCDF	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T				ND (0.0000127)	ND (0.0000146)	ND (0.0000129)	ND (0.00000836)	0.00000723	ND (0.000017)	ND (0.00000548)	
TOTAL PECDF	UG/L	T											
TOTAL PECDFS	UG/L	T				ND (0.0000123)	ND (0.0000105)	ND (0.0000173)	ND (0.00000489)	ND (0.00000216)	ND (0.0000104)	ND (0.00000521)	
PCB 1	UG/L	D										ND (0.0000195)	
PCB 10	UG/L	T										ND (0.0000296)	
PCB 103	UG/L	T										ND (0.0000186)	
PCB 105	UG/L	T				ND (0.0000126)	ND (0.0000109)	ND (0.0000126)	0.0000632	ND (0.00000621)	ND (0.0000137)	0.00000515 B	
PCB 109	UG/L	T										0.00000338 B	
PCB 11	UG/L	T										0.0000468 B	
PCB 110	UG/L	T										0.0000168 B	
PCB 114	UG/L	T				ND (0.0000137)	ND (0.0000129)	ND (0.0000141)	ND (0.00000835)	ND (0.00000625)	ND (0.0000155)	ND (0.00000197)	
PCB 117	UG/L	T										ND (0.0000189)	
PCB 118	UG/L	T										0.00000963 B	
PCB 123	UG/L	T				ND (0.000018)	ND (0.0000102)	ND (0.0000189)	ND (0.0000174)	ND (0.00000646)	ND (0.0000117)	ND (0.00000191)	
PCB 130	UG/L	T										0.00000888 B	
PCB 131	UG/L	T										ND (0.0000209)	
PCB 132	UG/L	T										0.00000656 B	
PCB 133	UG/L	T										0.00000422 B	
PCB 134	UG/L	T										ND (0.00000276)	
PCB 136	UG/L	T										ND (0.00000159)	
PCB 137	UG/L	T										ND (0.00000187)	
PCB 141	UG/L	T										ND (0.00000202)	
PCB 144	UG/L	T										ND (0.00000224)	
PCB 146	UG/L	T										0.000016 B	
PCB 148	UG/L	T										ND (0.00000211)	
PCB 15	UG/L	T										ND (0.00000435)	
PCB 150	UG/L	T										ND (0.00000143)	
PCB 154	UG/L	T										ND (0.00000194)	
PCB 156	UG/L	T				ND (0.00000319)	ND (0.00000304)	ND (0.00000579)	ND (0.0000265)	ND (0.00000371)	ND (0.00000963)		
PCB 157	UG/L	T				ND (0.00000325)	ND (0.0000031)	ND (0.00000642)	ND (0.00000283)	ND (0.00000365)	ND (0.0000106)		
PCB 158	UG/L	T										ND (0.00000172)	
PCB 159	UG/L	T										ND (0.00000206)	
PCB 16	UG/L	T										ND (0.00000247)	
PCB 160	UG/L	T										ND (0.00000188)	
PCB 162	UG/L	T										ND (0.00000184)	
PCB 164	UG/L	T										ND (0.00000159)	
PCB 167	UG/L	T				ND (0.00000318)	ND (0.00000289)	ND (0.00000603)	ND (0.0000265)	ND (0.00000338)	ND (0.0000104)	0.00000365 B	
PCB 169	UG/L	T				ND (0.0000254)	ND (0.00000373)	ND (0.0000071)	ND (0.00000732)	ND (0.0000051)	ND (0.0000116)	ND (0.00000246)	
PCB 17	UG/L	T										0.00000277 B	
PCB 170	UG/L	T										ND (0.0000024)	
PCB 172	UG/L	T										ND (0.00000226)	
PCB 174	UG/L	T										ND (0.00000234)	
PCB 175	UG/L	T										ND (0.00000228)	
PCB 176	UG/L	T										ND (0.00000116)	
PCB 177	UG/L	T										ND (0.00000246)	
PCB 178	UG/L	T										ND (0.00000174)	
PCB 179	UG/L	T										ND (0.00000147)	
PCB 183	UG/L	T										ND (0.0000018)	
PCB 185	UG/L	T										ND (0.00000195)	
PCB 187	UG/L	T										ND (0.00000217)	
PCB 189	UG/L	T				ND (0.00000143)	ND (0.00000186)	ND (0.0000027)	ND (0.00000157)	ND (0.00000163)	ND (0.00000367)	ND (0.00000225)	
PCB 19	UG/L	T										ND (0.00000198)	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Human Health			Date	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	5/14/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T											ND (0.0000208)
PCB 191	UG/L	T											ND (0.0000198)
PCB 194	UG/L	T											ND (0.0000207)
PCB 195	UG/L	T											ND (0.0000205)
PCB 196	UG/L	T											ND (0.0000194)
PCB 197	UG/L	T											ND (0.0000137)
PCB 2	UG/L	T											ND (0.0000173)
PCB 200	UG/L	T											ND (0.0000177)
PCB 201	UG/L	T											ND (0.0000162)
PCB 202	UG/L	T											ND (0.0000153)
PCB 203	UG/L	T											ND (0.000021)
PCB 205	UG/L	T											ND (0.000018)
PCB 206	UG/L	T											ND (0.0000349)
PCB 207	UG/L	T											ND (0.000024)
PCB 208	UG/L	T											ND (0.000026)
PCB 209	UG/L	T											ND (0.00002)
PCB 22	UG/L	T											0.0000271 B
PCB 23	UG/L	T											ND (0.0000191)
PCB 25	UG/L	T											ND (0.0000181)
PCB 27	UG/L	T											ND (0.0000153)
PCB 3	UG/L	T											ND (0.0000186)
PCB 31	UG/L	T											0.000053 B
PCB 32	UG/L	T											0.0000198 B
PCB 34	UG/L	T											ND (0.0000206)
PCB 35	UG/L	T											ND (0.0000217)
PCB 37	UG/L	T											ND (0.0000242)
PCB 38	UG/L	T											ND (0.0000193)
PCB 39	UG/L	T											ND (0.0000193)
PCB 4	UG/L	D											
PCB 4	UG/L	T											ND (0.0000494)
PCB 41	UG/L	T											ND (0.0000239)
PCB 42	UG/L	T											ND (0.0000244)
PCB 43	UG/L	T											ND (0.0000277)
PCB 45	UG/L	T											ND (0.000019)
PCB 46	UG/L	T											ND (0.0000222)
PCB 48	UG/L	T											ND (0.0000194)
PCB 5	UG/L	T											ND (0.0000357)
PCB 51	UG/L	T											ND (0.0000206)
PCB 52	UG/L	T											0.0000974 B
PCB 54	UG/L	T											ND (0.00000975)
PCB 56	UG/L	T											ND (0.000018)
PCB 57	UG/L	T											ND (0.0000162)
PCB 6	UG/L	T											ND (0.0000391)
PCB 60	UG/L	T											ND (0.0000158)
PCB 63	UG/L	T											ND (0.0000141)
PCB 64	UG/L	T											0.000016 B
PCB 66	UG/L	T											0.0000326 B
PCB 67	UG/L	T											ND (0.0000165)
PCB 68	UG/L	T											ND (0.0000157)
PCB 7	UG/L	T											ND (0.0000337)
PCB 72	UG/L	T											ND (0.0000162)
PCB 77	UG/L	T					ND (0.0000318)	ND (0.0000249)	ND (0.0000576)	0.0000381	ND (0.0000309)	ND (0.0000981)	ND (0.0000201)
PCB 8	UG/L	T											0.0000632 B
PCB 82	UG/L	T											ND (0.0000285)
PCB 83	UG/L	T											ND (0.0000256)
PCB 84	UG/L	T											ND (0.0000232)
PCB 88	UG/L	T											ND (0.0000242)
PCB 9	UG/L	T											ND (0.0000372)
PCB 91	UG/L	T											ND (0.0000182)

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Human Health			Date	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	5/14/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T											ND (0.0000251)
PCB 95	UG/L	T											0.0000694 B
PCB 96	UG/L	T											ND (0.0000126)
PCB 99	UG/L	T											0.00000564
PCB-106/118	UG/L	T					ND (0.0000168)	ND (0.00000954)	ND (0.0000196)	0.000124 B	ND (0.00000581)	ND (0.000011)	
PCB-107/124	UG/L	T											ND (0.00000191)
PCB-108/119/86/97/125/87	UG/L	T											ND (0.00000202)
PCB-113/90/101	UG/L	T											0.0000115 B
PCB-116/85	UG/L	T											ND (0.00000196)
PCB-128/166	UG/L	T											0.00000341 EMPC
PCB-13/12	UG/L	T											ND (0.0000039)
PCB-139/140	UG/L	T											ND (0.00000197)
PCB-147/149	UG/L	T											0.0000125 B
PCB-151/135	UG/L	T											0.00000706 B
PCB-153/168	UG/L	T											0.0000109 B
PCB-156/157	UG/L	T											ND (0.00000254)
PCB-163/138/129	UG/L	T											0.0000162 B
PCB-171/173	UG/L	T											ND (0.00000234)
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T											ND (0.0000019)
PCB-198/199	UG/L	T											ND (0.00000238)
PCB-21/33	UG/L	T											0.00000279 B
PCB-26/29	UG/L	T											ND (0.00000185)
PCB-28/20	UG/L	T											0.00000657 B
PCB-30/18	UG/L	T											0.00000642 B
PCB-44/47/65	UG/L	T											0.00000783 B
PCB-50/53	UG/L	T											ND (0.00000193)
PCB-59/62/75	UG/L	T											ND (0.00000152)
PCB-61/70/74/76	UG/L	T											0.00000663 B
PCB-69/49	UG/L	T											0.0000031 B
PCB-71/40	UG/L	T											0.00000215
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	ND (0.0000241)	ND (0.0000265)		ND (0.0000516)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000508)	ND (0.000049)	ND (0.0000482)	ND (0.000053)		ND (0.000103)	0.0000531 B
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	ND (0.0000241)	ND (0.0000265)		ND (0.0000516)	ND (0.00000199)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	ND (0.0000241)	0.0000385	0.00000466 B	ND (0.0000516)	0.0000601 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	ND (0.0000241)	ND (0.0000265)		ND (0.0000516)	ND (0.0000019)
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	0.000222	ND (0.0000265)		ND (0.0000516)	ND (0.00000305)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	0.0000663	ND (0.0000265)		ND (0.0000516)	ND (0.00000166)
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02		0.0000325		0.000289	0.00763 B	0.00000466 B		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	ND (0.0000241)	0.00104		ND (0.0000516)	0.0000443 B
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000254)	ND (0.0000245)	ND (0.0000241)	0.00467 B		ND (0.0000516)	0.0000327 B
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000272	ND (0.0000245)	ND (0.0000241)	0.00188 B		ND (0.0000516)	0.0000235 B
ALUMINUM	UG/L	D		3.95E+11	2.56E+06								2600
ALUMINUM	UG/L	T											3170
ANTIMONY	UG/L	D		1.58E+08	8.82E+05								ND (9.7)
ANTIMONY	UG/L	T					ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (9.7)
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06								0.73 J
ARSENIC	UG/L	T					ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	0.74 J
BARIUM	UG/L	D		7.90E+10	1.18E+05								28.4
BARIUM	UG/L	T											29.6
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04								7.1
BERYLLIUM	UG/L	T											7.2
CADMIUM	UG/L	D		1.98E+08	2.65E+04								1.7 J
CADMIUM	UG/L	T											1.5 J
CALCIUM	UG/L	D											18600
CALCIUM	UG/L	T											18100
CHROMIUM	UG/L	D			4.76E+06								26.3
CHROMIUM	UG/L	T											9.7 J

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Human Health				12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	5/14/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							0	0	0	0	0	0	0
COBALT	UG/L	D		1.41E+08	6.76E+05								272
COBALT	UG/L	T											265
COPPER	UG/L	D		1.58E+10	2.68E+05								53.6
COPPER	UG/L	T											22.6
FERROUS IRON	UG/L	T											2100 B
IRON	UG/L	D		2.77E+11	2.94E+07								3000
IRON	UG/L	T				6400	11400	13200	9260 J	7030 J	6160 J		5140
LEAD	UG/L	D			4.71E+05								9.3
LEAD	UG/L	T											4
MAGNESIUM	UG/L	D											9520
MAGNESIUM	UG/L	T											9280
MANGANESE	UG/L	D		5.53E+10	3.38E+07								5670
MANGANESE	UG/L	T				9360	12500	17400	11800	7390	9120		5310
MERCURY	UG/L	D		1.19E+08	3.53E+02								0.093 J
MERCURY	UG/L	T											0.095 J
NICKEL	UG/L	D		1.00E+10	3.59E+06								123
NICKEL	UG/L	T											106
POTASSIUM	UG/L	D											2200
POTASSIUM	UG/L	T											2230
SELENIUM	UG/L	D		1.98E+09	1.47E+05								ND (9.4)
SELENIUM	UG/L	T											ND (9.4)
SILVER	UG/L	D		2.21E+09	2.65E+05								1.7 J
SILVER	UG/L	T											ND (1.6)
SODIUM	UG/L	D											18600
SODIUM	UG/L	T											18700
THALLIUM	UG/L	D		3.95E+06	1.18E+06								0.13 J
THALLIUM	UG/L	T				ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)		0.13 J
TITANIUM	UG/L	D											7.9 J
TITANIUM	UG/L	T											32
VANADIUM	UG/L	D		2.77E+07	5.88E+05								ND (1.5)
VANADIUM	UG/L	T											4.8 J
ZINC	UG/L	D		1.33E+11	2.41E+06								204
ZINC	UG/L	T											159
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											ND (460)
AMMONIA	UG/L	T		1.34E+13									ND (200)
CHLORIDE	UG/L	T											34200
CYANIDE	UG/L	T		8.45E+09	1.53E+05								ND (5) UJ
FERRIC IRON	UG/L	T											3100
NITRATE	UG/L	T		6.32E+11									860
NITRITE	UG/L	T		3.95E+10									ND (15) UJ
PHOSPHORUS	UG/L	T											ND (250)
SILICA	UG/L	T											45900
SULFATE	UG/L	T											97800
SULFIDE	UG/L	T											ND (54)
TOTAL DISSOLVED SOLIDS	UG/L	T						441000 J	347000 J	277000	302000		
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T				1000 J	1800 B	ND (1000)	1200 J	1600 J	ND (1000)	ND (1000)	
TOTAL SUSPENDED SOLIDS	UG/L	T				33600	31600 B	40800	44800	49200	19200	34800	
COLOR QUALITATIVE (FIELD)	NS	T				clr	clear	clear clear orange			orange	Lt. Red	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				0	200	0	0	400	0	520	
ODOR (FIELD)	NS	T				none	none none none none	none				No	
OVABZONE	PPM	T				NR	NR NR NR NR NR					NR	
OVACASING	PPM	T				NR	NR NR NR NR NR					NR	
REDOX (FIELD)	MV	T					NR						
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				0.0000398	ND (0.00000106)	ND (0.00000149)	ND (0.000000978)	ND (0.000000186)	ND (0.00000166)	ND (0.00000102)	
TOTAL HPCDDS	UG/L	T				0.000106	0.0000212	0.0000264	0.0000142	0.0000247	ND (0.0000032)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02
			Human Health			Date	8/20/07	11/10/08	6/13/05	7/21/05	8/23/05	9/22/05	10/12/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05		ND (0.8)	ND (0.8)					
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06		ND (1)	ND (1)					
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05		ND (0.8)	ND (0.8)					
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04		ND (1)	ND (1)					
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05		ND (1)	ND (1)					
ACETONE	UG/L	T		4.08E+11	4.41E+07		ND (6)	ND (6)					
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07		ND (0.5)	ND (0.5)					
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04		ND (1)	ND (1)					
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04		ND (0.8)	ND (0.8)					
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04		ND (0.8)	ND (0.8)					
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05		ND (0.8)	ND (0.8)					
ETHYL CHLORIDE	UG/L	T					ND (1)	ND (1)					
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06		ND (0.8)	ND (0.8)					
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06		ND (1)	ND (1)					
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08		ND (3)	ND (3)					
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06		ND (2)	ND (2)					
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06		ND (0.8)	ND (0.8)					
TOLUENE	UG/L	T		3.52E+09	5.88E+04		ND (0.7)	ND (0.7)					
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05		ND (0.8)	ND (0.8)					
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05		ND (1)	ND (1)					
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07		ND (1)	ND (1)					
XYLENES	UG/L	T		5.98E+09	3.82E+05		ND (0.8)	ND (0.8)					
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07		ND (3) R	ND (3) R					
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05		ND (1)	ND (1)					
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09			ND (1) R	ND (1) R					
ACENAPHTHENE	UG/L	T		1.01E+09			ND (1)	ND (0.51)					
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02		ND (1)	ND (0.02)					
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02		ND (1)	ND (0.01)					
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05		ND (2)	ND (2)					
CARBAZOLE	UG/L	T		5.29E+08			ND (1)	ND (1)					
CHRYSENE	UG/L	T	9.83E+01		1.18E+02		ND (1)	ND (0.041)					
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05		ND (1)	ND (1)					
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05		ND (2)	ND (2)					
FLUORENE	UG/L	T		5.29E+08	8.82E+04		ND (1)	ND (0.1)					
HEXACHLOROETHANE	UG/L	T			8.82E+00		ND (1)	ND (1) UJ	ND (1)	ND (1) UJ	ND (1) UJ	ND (1) UJ	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04		ND (1)	ND (1)					
PHENANTHRENE	UG/L	T			1.18E+04		ND (1)	ND (0.041)					
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.0000209) U		0.00000688	0.00000456	0.0000102	0.000016	0.00000773
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.00000565) U		ND (0.0000141)	ND (0.00000751)	ND (0.00000355)	0.000000961	ND (0.0000114)
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.00000997) U		ND (0.00000763)	ND (0.00000955)	ND (0.00000513)	ND (0.00000349)	ND (0.000013)
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.000011) U		ND (0.0000233)	ND (0.0000164)	ND (0.0000288)	ND (0.00000931)	ND (0.0000311)
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.00000283) U		ND (0.00000915)	ND (0.00000392)	ND (0.00000446)	ND (0.00000275)	ND (0.0000147)
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.0000118) U		ND (0.0000234)	ND (0.0000148)	ND (0.0000277)	ND (0.00000882)	ND (0.0000321)
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.00000318) U		ND (0.00000879)	ND (0.00000378)	ND (0.00000437)	ND (0.00000284)	ND (0.0000133)
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.0000114) U		ND (0.0000234)	ND (0.0000146)	ND (0.0000277)	ND (0.00000854)	ND (0.0000299)
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.00000525) U		ND (0.0000139)	ND (0.00000756)	ND (0.00000638)	ND (0.00000428)	ND (0.0000269)
1,2,3,7,8-PCDF	UG/L	T					ND (0.0000126) U		ND (0.0000155)	ND (0.0000118)	ND (0.00000789)	ND (0.0000085)	ND (0.0000154)
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.00000397) U		ND (0.00000966)	ND (0.00000444)	ND (0.00000462)	ND (0.00000316)	ND (0.0000154)
2,3,4,7,8-PCDF	UG/L	T					ND (0.0000109) U		ND (0.0000442)	ND (0.0000107)	ND (0.00000668)	ND (0.00000677)	ND (0.0000132)
2,3,7,8-TCDD	UG/L	T					ND (0.0000103) U		ND (0.00000996)	ND (0.00000748)	ND (0.00000841)	ND (0.00000756)	ND (0.0000145)
2,3,7,8-TCDF	UG/L	T					ND (0.00000537) U		ND (0.0000105)	ND (0.00000786)	ND (0.00000628)	ND (0.00000543)	ND (0.00000895)
HPCDDS	UG/L	T					0.00000234 U*						
HXCDDS	UG/L	T					ND (0.0000114) U		0.00000454	0.00000259	0.00000665	0.0000148	0.00000486
HXCDFS	UG/L	T					ND (0.00000367) U		ND (0.0000102)	ND (0.00000474)	ND (0.0000049)	0.00000533	ND (0.0000167)
OCDD	UG/L	T					0.0000188 J		0.000141	0.000065	0.000188	0.000289	0.000136
OCDF	UG/L	T					ND (0.0000272) U		ND (0.00000626)	ND (0.0000195)	ND (0.00000251)	0.00000181 B	ND (0.0000031)
TCDDS	UG/L	T					0.00000884 U*		0.00000237	ND (0.00000748)	ND (0.0000153)	ND (0.0000274)	ND (0.0000145)

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02		
			Human Health				Duplicate	8/20/07	11/10/08	6/13/05	7/21/05	8/23/05	9/22/05	10/12/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	Bottom (ft)	FS	FS	FS	FS	FS	FS
								0	0	0	0	0	0	0	
TCDFS	UG/L	T					ND (0.00000537) U		0.00000553	ND (0.00000786)	ND (0.00000628)	ND (0.00000543)	ND (0.00000895)		
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T					ND (0.0000139) U		0.0000129	ND (0.00000998)	ND (0.0000133)	0.00000234	ND (0.0000199)		
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T					ND (0.0000117) U		0.0000024	ND (0.0000112)	ND (0.00000726)	ND (0.00000759)	ND (0.0000143)		
PCB 1	UG/L	D						ND (0.0000023)							
PCB 1	UG/L	T					ND (0.00000892) U								
PCB 10	UG/L	T					ND (0.0000123) U								
PCB 103	UG/L	T					ND (0.00000833) U								
PCB 105	UG/L	T					ND (0.00000891) U		ND (0.0000491)	0.00000832	ND (0.0000128)	ND (0.00000811)	ND (0.0000404)		
PCB 109	UG/L	T					ND (0.00000657) U								
PCB 11	UG/L	T					0.00001 U*								
PCB 110	UG/L	T					0.00000473 U*								
PCB 114	UG/L	T					ND (0.00000888) U		ND (0.0000491)	ND (0.0000684)	ND (0.0000131)	ND (0.00000911)	ND (0.0000046)		
PCB 117	UG/L	T					ND (0.00000746) U								
PCB 118	UG/L	T					0.00000291 U*								
PCB 123	UG/L	T					ND (0.00000857) U		ND (0.0000491)	ND (0.00000571)	ND (0.0000146)	ND (0.0000154)	ND (0.0000358)		
PCB 130	UG/L	T					ND (0.0000105) U								
PCB 131	UG/L	T					ND (0.00000879) U								
PCB 132	UG/L	T					ND (0.00000866) U								
PCB 133	UG/L	T					ND (0.0000086) U								
PCB 134	UG/L	T					ND (0.0000118) U								
PCB 136	UG/L	T					ND (0.00000711) U								
PCB 137	UG/L	T					ND (0.00000764) U								
PCB 141	UG/L	T					ND (0.00000824) U								
PCB 144	UG/L	T					ND (0.00000902) U								
PCB 146	UG/L	T					ND (0.00000853) U								
PCB 148	UG/L	T					ND (0.00000886) U								
PCB 15	UG/L	T					ND (0.0000214) U								
PCB 150	UG/L	T					ND (0.0000064) U								
PCB 154	UG/L	T					ND (0.00000801) U								
PCB 156	UG/L	T						ND (0.0000491)	ND (0.0000215)	ND (0.0000178)	ND (0.0000294)	ND (0.0000229)			
PCB 157	UG/L	T						ND (0.0000491)	ND (0.0000227)	ND (0.0000186)	ND (0.0000319)	ND (0.0000235)			
PCB 158	UG/L	T					ND (0.00000676) U								
PCB 159	UG/L	T					ND (0.00000928) U								
PCB 16	UG/L	T					ND (0.0000193) U								
PCB 160	UG/L	T					ND (0.00000738) U								
PCB 162	UG/L	T					ND (0.00000851) U								
PCB 164	UG/L	T					ND (0.00000603) U								
PCB 167	UG/L	T					ND (0.0000089) U		ND (0.0000491)	ND (0.0000242)	ND (0.0000166)	ND (0.0000298)	ND (0.0000233)		
PCB 169	UG/L	T					ND (0.000011) U		ND (0.0000491)	0.00000464 B	0.00000293 B	ND (0.0000425)	0.0000034		
PCB 17	UG/L	T					ND (0.0000137) U								
PCB 170	UG/L	T					ND (0.0000105) U								
PCB 172	UG/L	T					ND (0.0000103) U								
PCB 174	UG/L	T					ND (0.0000112) U								
PCB 175	UG/L	T					ND (0.0000107) U								
PCB 176	UG/L	T					ND (0.00000546) U								
PCB 177	UG/L	T					ND (0.000012) U								
PCB 178	UG/L	T					ND (0.00000807) U								
PCB 179	UG/L	T					ND (0.00000681) U								
PCB 183	UG/L	T					ND (0.00000869) U								
PCB 185	UG/L	T					ND (0.00000882) U								
PCB 187	UG/L	T					ND (0.0000102) U								
PCB 189	UG/L	T					ND (0.0000102) U		ND (0.0000491)	ND (0.0000112)	ND (0.0000245)	ND (0.0000156)	ND (0.000013)		
PCB 19	UG/L	T					ND (0.0000157) U								

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02
			Human Health				MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		8/20/07	11/10/08	6/13/05	7/21/05	8/23/05	9/22/05	10/12/05
							Top (ft)	Bottom (ft)	Duplicate	FS	FS	FS	FS
PCB 190	UG/L	T					ND (0.00000882) U						
PCB 191	UG/L	T					ND (0.00000925) U						
PCB 194	UG/L	T					ND (0.00000103) U						
PCB 195	UG/L	T					ND (0.00000108) U						
PCB 196	UG/L	T					ND (0.00000909) U						
PCB 197	UG/L	T					ND (0.00000648) U						
PCB 2	UG/L	T					ND (0.00000104) U						
PCB 200	UG/L	T					ND (0.00000779) U						
PCB 201	UG/L	T					ND (0.00000751) U						
PCB 202	UG/L	T					ND (0.00000779) U						
PCB 203	UG/L	T					ND (0.00000972) U						
PCB 205	UG/L	T					ND (0.00000834) U						
PCB 206	UG/L	T					ND (0.0000032) U						
PCB 207	UG/L	T					ND (0.00000209) U						
PCB 208	UG/L	T					ND (0.0000022) U						
PCB 209	UG/L	T					ND (0.00000101) U						
PCB 22	UG/L	T					ND (0.00000152) U						
PCB 23	UG/L	T					ND (0.0000015) U						
PCB 25	UG/L	T					ND (0.00000139) U						
PCB 27	UG/L	T					ND (0.00000118) U						
PCB 3	UG/L	T					ND (0.000001) U						
PCB 31	UG/L	T					0.00000168 U*						
PCB 32	UG/L	T					ND (0.00000966) U						
PCB 34	UG/L	T					ND (0.00000156) U						
PCB 35	UG/L	T					ND (0.00000165) U						
PCB 37	UG/L	T					ND (0.00000161) U						
PCB 38	UG/L	T					ND (0.00000145) U						
PCB 39	UG/L	T					ND (0.00000142) U						
PCB 4	UG/L	D						ND (0.00000513)					
PCB 4	UG/L	T					ND (0.00000238) U						
PCB 41	UG/L	T					ND (0.0000011) U						
PCB 42	UG/L	T					ND (0.00000123) U						
PCB 43	UG/L	T					ND (0.0000014) U						
PCB 45	UG/L	T					ND (0.00000101) U						
PCB 46	UG/L	T					ND (0.00000109) U						
PCB 48	UG/L	T					ND (0.00000937) U						
PCB 5	UG/L	T					ND (0.00000189) U						
PCB 51	UG/L	T					ND (0.00000984) U						
PCB 52	UG/L	T					0.00000711 U*						
PCB 54	UG/L	T					ND (0.00000621) U						
PCB 56	UG/L	T					ND (0.00000108) U						
PCB 57	UG/L	T					ND (0.00000943) U						
PCB 6	UG/L	T					ND (0.00000199) U						
PCB 60	UG/L	T					ND (0.00000933) U						
PCB 63	UG/L	T					ND (0.00000809) U						
PCB 64	UG/L	T					0.00000863 J						
PCB 66	UG/L	T					ND (0.00000101) U						
PCB 67	UG/L	T					ND (0.00000971) U						
PCB 68	UG/L	T					ND (0.00000936) U						
PCB 7	UG/L	T					ND (0.00000182) U						
PCB 72	UG/L	T					ND (0.00000962) U						
PCB 77	UG/L	T					ND (0.00000112) U		ND (0.0000491)	0.00000427	0.00000232 B	0.00000362 B	0.00000314
PCB 8	UG/L	T					ND (0.00000202) U						
PCB 82	UG/L	T					ND (0.00000127) U						
PCB 83	UG/L	T					ND (0.00000107) U						
PCB 84	UG/L	T					ND (0.00000106) U						
PCB 88	UG/L	T					ND (0.00000112) U						
PCB 9	UG/L	T					ND (0.000002) U						
PCB 91	UG/L	T					ND (0.00000794) U						

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02		
			Human Health				Duplicate	8/20/07	11/10/08	6/13/05	7/21/05	8/23/05	9/22/05	10/12/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
					FS	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T					0.00000139 U*								
PCB 95	UG/L	T					0.00000565 U*								
PCB 96	UG/L	T					ND (0.00000709) U								
PCB 99	UG/L	T					0.00000217 U*								
PCB-106/118	UG/L	T							0.0000802	0.0000095	ND (0.0000139)	ND (0.0000159)	0.00000774		
PCB-107/124	UG/L	T					ND (0.00000824) U								
PCB-108/119/86/97/125/87	UG/L	T					ND (0.00000892) U								
PCB-113/90/101	UG/L	T					0.00000651 U*								
PCB-116/85	UG/L	T					ND (0.00000902) U								
PCB-128/166	UG/L	T					ND (0.00000996) U								
PCB-13/12	UG/L	T					ND (0.00000205) U								
PCB-139/140	UG/L	T					ND (0.00000827) U								
PCB-147/149	UG/L	T					0.00000232 U*								
PCB-151/135	UG/L	T					ND (0.00000879) U								
PCB-153/168	UG/L	T					0.00000221 U*								
PCB-156/157	UG/L	T					ND (0.00000119) U								
PCB-163/138/129	UG/L	T					0.00000247 U*								
PCB-171/173	UG/L	T					ND (0.00000111) U								
PCB-180/193	UG/L	D						ND (0.00000125)							
PCB-180/193	UG/L	T					ND (0.00000873) U								
PCB-198/199	UG/L	T					ND (0.0000011) U								
PCB-21/33	UG/L	T					ND (0.00000131) U								
PCB-26/29	UG/L	T					ND (0.00000141) U								
PCB-28/20	UG/L	T					0.00000158 U*								
PCB-30/18	UG/L	T					0.00000282 J								
PCB-44/47/65	UG/L	T					0.00000408 U*								
PCB-50/53	UG/L	T					ND (0.00000963) U								
PCB-59/62/75	UG/L	T					ND (0.00000733) U								
PCB-61/70/74/76	UG/L	T					0.00000317 U*								
PCB-69/49	UG/L	T					0.00000237 U*								
PCB-71/40	UG/L	T					0.00000114 J								
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T						ND (0.0000491)	ND (0.0000514)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00001 U*	ND (0.0000491)	ND (0.0000514)	ND (0.0000491)	ND (0.0000505)	ND (0.0000499)			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D						ND (0.00000182)							
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000938) U	ND (0.0000491)	ND (0.0000514)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000007 U*	ND (0.0000491)	ND (0.0000514)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000946) U	ND (0.0000491)	ND (0.0000257)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000027) U	ND (0.0000491)	ND (0.0000514)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000806) U	ND (0.0000491)	ND (0.0000514)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02			0.00501	0.000121 B	0.00000524 B	0.000155 B	0.000539			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000234 U*	0.000546	ND (0.0000514)	ND (0.0000245)	ND (0.0000252)	ND (0.000025)			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000187 J	0.00292	ND (0.0000514)	ND (0.0000245)	0.000124	0.000424			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000609 J	0.00154	0.000094 B	ND (0.0000245)	0.0000309	0.000103			
ALUMINUM	UG/L	D		3.95E+11	2.56E+06		2810	2760 J							
ALUMINUM	UG/L	T					3480	2930 J							
ANTIMONY	UG/L	D		1.58E+08	8.82E+05		ND (9.7)	ND (9.7)							
ANTIMONY	UG/L	T					ND (9.7)	ND (9.7)	ND (64)	47.2 J	ND (32)	ND (64)	ND (64)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06		ND (0.7)	11.8							
ARSENIC	UG/L	T					0.85 J	11.3	ND (93)	128 J	ND (233)	ND (186)	ND (93)		
BARIUM	UG/L	D		7.90E+10	1.18E+05		25.4	23.6							
BARIUM	UG/L	T					28.2	24.7							
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04		7.4	7.6							
BERYLLIUM	UG/L	T					7.4	7.7							
CADMIUM	UG/L	D		1.98E+08	2.65E+04		1.6 J	ND (2)							
CADMIUM	UG/L	T					1.5 J	2.1 J							
CALCIUM	UG/L	D					19700	21200							
CALCIUM	UG/L	T					18700	20600							
CHROMIUM	UG/L	D			4.76E+06		ND (2.3)	ND (3)							
CHROMIUM	UG/L	T					3.2 J	ND (3)							

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-02
			Human Health				8/20/07	11/10/08	6/13/05	7/21/05	8/23/05	9/22/05	10/12/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	
COBALT	UG/L	D		1.41E+08	6.76E+05	302	341						
COBALT	UG/L	T				291	324						
COPPER	UG/L	D		1.58E+10	2.68E+05	25.7 B	18.7						
COPPER	UG/L	T				28.8 B	19.6						
FERROUS IRON	UG/L	T				2100 J	520						
IRON	UG/L	D		2.77E+11	2.94E+07	4990	2940						
IRON	UG/L	T				6310	2250						
LEAD	UG/L	D			4.71E+05	3.4	3.3						
LEAD	UG/L	T				3.5	3.7	ND (84)			ND (168)		
MAGNESIUM	UG/L	D				10600	11100						
MAGNESIUM	UG/L	T				10200	10400						
MANGANESE	UG/L	D		5.53E+10	3.38E+07	7000	7450						
MANGANESE	UG/L	T				6220	5990	152000	177000	179000	164000	147000	
MERCURY	UG/L	D		1.19E+08	3.53E+02	ND (0.056)	ND (0.056)						
MERCURY	UG/L	T				ND (0.056)	ND (0.056)						
NICKEL	UG/L	D		1.00E+10	3.59E+06	109 J	118						
NICKEL	UG/L	T				107 J	121						
POTASSIUM	UG/L	D				1980	2050						
POTASSIUM	UG/L	T				2020	2050						
SELENIUM	UG/L	D		1.98E+09	1.47E+05	ND (9.4)	ND (10.7)						
SELENIUM	UG/L	T				ND (9.4)	ND (10.7)						
SILVER	UG/L	D		2.21E+09	2.65E+05	ND (1.6) UJ	ND (2.2)						
SILVER	UG/L	T				ND (1.6) UJ	ND (2.2)						
SODIUM	UG/L	D				17300	17200						
SODIUM	UG/L	T				17900	17500						
THALLIUM	UG/L	D		3.95E+06	1.18E+06	0.16 J	ND (0.15)						
THALLIUM	UG/L	T				0.17 J	ND (0.15)	ND (100)	306 J	ND (250)	228 J	ND (100)	
TITANIUM	UG/L	D				ND (2.8) UJ	ND (3.8)						
TITANIUM	UG/L	T				37 J	12.5						
VANADIUM	UG/L	D		2.77E+07	5.88E+05	ND (1.5) UJ	ND (2.5)						
VANADIUM	UG/L	T				3.9 J	ND (2.5)						
ZINC	UG/L	D		1.33E+11	2.41E+06	192	201						
ZINC	UG/L	T				183	196						
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				ND (460)	ND (460)						
AMMONIA	UG/L	T		1.34E+13		ND (200)	ND (200)						
CHLORIDE	UG/L	T				40000	33400						
CYANIDE	UG/L	T		8.45E+09	1.53E+05	35 J	ND (5)						
FERRIC IRON	UG/L	T				4200	1700						
NITRATE	UG/L	T		6.32E+11		710	820 J						
NITRITE	UG/L	T		3.95E+10		ND (15) UJ	ND (15)						
PHOSPHORUS	UG/L	T				ND (250)	ND (250)						
SILICA	UG/L	T				46200	45800						
SULFATE	UG/L	T				108000	119000 J						
SULFIDE	UG/L	T				ND (54)	ND (54)						
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T					94200						
TOTAL ORGANIC CARBON	UG/L	T				ND (1000)	860 B						
TOTAL SUSPENDED SOLIDS	UG/L	T				33600	59200						
COLOR QUALITATIVE (FIELD)	NS	T				clr	Cloudy	light tan	opaque	clear	orangish brown	clear	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				160	340	530	280	12430	0	0	
ODOR (FIELD)	NS	T				no	No	none	none none none none				
OVABZONE	PPM	T						NR	NR		NR	NR	
OVACASING	PPM	T						NR	NR		NR	NR	
REDOX (FIELD)	MV	T						N/A	NR			NR	
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T				low*		low					
HPCDFS	UG/L	T				ND (0.00000075) U		ND (0.00000155)	ND (0.000000839)	ND (0.000000427)	0.000000961	ND (0.00000121)	
TOTAL HPCDDS	UG/L	T						0.0000169	0.0000117	0.0000249	0.0000387	0.0000214	

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
			Human Health				11/15/05	11/15/05	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS				
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05									
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06									
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05									
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04									
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05									
ACETONE	UG/L	T		4.08E+11	4.41E+07									
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07									
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04									
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04									
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04									
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05									
ETHYL CHLORIDE	UG/L	T												
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06									
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06									
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08									
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06									
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06									
TOLUENE	UG/L	T		3.52E+09	5.88E+04									
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05									
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05									
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07									
XYLENES	UG/L	T		5.98E+09	3.82E+05									
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07									
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05									
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09										
ACENAPHTHENE	UG/L	T		1.01E+09										
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02									
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02									
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05									
CARBAZOLE	UG/L	T		5.29E+08										
CHRYSENE	UG/L	T	9.83E+01		1.18E+02									
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05									
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05									
FLUORENE	UG/L	T		5.29E+08	8.82E+04									
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1)		ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (1)	ND (1) UJ	ND (1)	ND (1)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04									
PHENANTHRENE	UG/L	T			1.18E+04									
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.0000125		0.0000805	0.0000423	0.0000249	0.000012	0.0000962	ND (0.000026)	ND (0.000026)
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.00000618)		0.0000053	ND (0.00000868)	ND (0.0000138)	ND (0.0000119)	ND (0.0000171)	ND (0.0000128)	ND (0.0000128)
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000685)		ND (0.00000919)	ND (0.00000851)	ND (0.0000146)	ND (0.0000006)	ND (0.00000175)	ND (0.0000125)	ND (0.0000125)
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.0000147)		ND (0.000012)	ND (0.0000257)	ND (0.0000165)	ND (0.0000171)	ND (0.00000241)	ND (0.0000142)	ND (0.0000142)
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.00000477)		ND (0.00000372)	ND (0.00000334)	ND (0.00000299)	ND (0.00000457)	ND (0.00000153)	ND (0.0000118)	ND (0.0000118)
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.0000145)		0.00000264	ND (0.0000267)	ND (0.0000171)	ND (0.0000174)	ND (0.00000253)	ND (0.0000148)	ND (0.0000148)
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000467)		ND (0.00000369)	ND (0.00000321)	ND (0.00000307)	ND (0.00000452)	ND (0.00000147)	ND (0.0000103)	ND (0.0000103)
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.0000138)		0.00000313	ND (0.0000254)	ND (0.0000163)	ND (0.0000167)	0.00000502	ND (0.0000147)	ND (0.0000147)
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.00000784)		ND (0.00000725)	ND (0.00000509)	ND (0.00000526)	ND (0.00000716)	ND (0.00000211)	ND (0.0000167)	ND (0.0000167)
1,2,3,7,8-PECDF	UG/L	T				ND (0.0000135)		ND (0.0000109)	ND (0.0000162)	ND (0.0000199)	ND (0.00000702)	ND (0.00000174)	ND (0.0000113)	ND (0.0000113)
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000488)		ND (0.00000439)	ND (0.00000365)	ND (0.00000332)	ND (0.00000485)	ND (0.00000159)	ND (0.0000124)	ND (0.0000124)
2,3,4,7,8-PECDF	UG/L	T				ND (0.0000119)		ND (0.00000949)	ND (0.0000157)	ND (0.0000189)	ND (0.00000665)	ND (0.00000155)	ND (0.0000103)	ND (0.0000103)
2,3,7,8-TCDD	UG/L	T				ND (0.00000649)		ND (0.00000862)	ND (0.00000996)	ND (0.0000189)	ND (0.00000462)	ND (0.00000199)	ND (0.0000163)	ND (0.0000163)
2,3,7,8-TCDF	UG/L	T				ND (0.00000701)		ND (0.00000851)	ND (0.00000673)	ND (0.000014)	ND (0.00000569)	ND (0.00000265)	ND (0.0000189)	ND (0.0000189)
HPCDDS	UG/L	T												
HXCDDS	UG/L	T				0.00000857		0.0000601	0.0000411	0.0000205	0.0000105	0.0000109	ND (0.0000146)	ND (0.0000146)
HXCDFS	UG/L	T				ND (0.00000664)		0.0000072	ND (0.00000378)	ND (0.0000036)	ND (0.00000515)	ND (0.00000168)	ND (0.0000128)	ND (0.0000128)
OCDD	UG/L	T				0.000268		0.00118	0.000788	0.000519	0.000271	0.0002	ND (0.0000408)	ND (0.0000408)
OCDF	UG/L	T				0.0000014		0.0000222	0.0000098	0.0000051	ND (0.00000261)	0.0000011 B	ND (0.0000383)	ND (0.0000383)
TCDDS	UG/L	T				0.0000022		0.0000112	0.00000761	0.00000361	0.00000353	0.00000224 B	ND (0.0000163)	ND (0.0000163)

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02			
			Human Health				Duplicate	11/15/05	11/15/05	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
TCDFS	UG/L	T					ND (0.00000701)		ND (0.00000851)	ND (0.00000673)	ND (0.0000014)	ND (0.00000569)	ND (0.00000265)	ND (0.00000189)		
TOTAL HPCDD	UG/L	T														
TOTAL HPCDF	UG/L	T														
TOTAL HXCDD	UG/L	T														
TOTAL HXCDF	UG/L	T														
TOTAL PECDD	UG/L	T														
TOTAL PECDDS	UG/L	T					0.00000202		0.0000156	0.00000954	ND (0.00000366)	0.00000196	0.00000213	ND (0.00000151)		
TOTAL PECDF	UG/L	T														
TOTAL PECDFS	UG/L	T					ND (0.00000127)		ND (0.00000102)	ND (0.00000159)	ND (0.00000194)	ND (0.00000684)	ND (0.00000164)	ND (0.00000108)		
PCB 1	UG/L	D														
PCB 10	UG/L	T														
PCB 103	UG/L	T														
PCB 105	UG/L	T					0.00000651		ND (0.0000108)	ND (0.0000121)	ND (0.0000181)	0.00000775	ND (0.00000817)	ND (0.0000142)		
PCB 109	UG/L	T														
PCB 11	UG/L	T														
PCB 110	UG/L	T														
PCB 114	UG/L	T					ND (0.00000929)		ND (0.0000114)	ND (0.0000138)	ND (0.0000191)	ND (0.00000603)	ND (0.00000779)	ND (0.0000144)		
PCB 117	UG/L	T														
PCB 118	UG/L	T														
PCB 123	UG/L	T					ND (0.00000742)		ND (0.0000146)	ND (0.0000193)	ND (0.0000171)	ND (0.00000885)	ND (0.00000752)	ND (0.0000137)		
PCB 130	UG/L	T														
PCB 131	UG/L	T														
PCB 132	UG/L	T														
PCB 133	UG/L	T														
PCB 134	UG/L	T														
PCB 136	UG/L	T														
PCB 137	UG/L	T														
PCB 141	UG/L	T														
PCB 144	UG/L	T														
PCB 146	UG/L	T														
PCB 148	UG/L	T														
PCB 15	UG/L	T														
PCB 150	UG/L	T														
PCB 154	UG/L	T														
PCB 156	UG/L	T					ND (0.00000414)		ND (0.00000415)	ND (0.00000481)	ND (0.00000511)	ND (0.00000255)	ND (0.00000317)	ND (0.00000925)		
PCB 157	UG/L	T					ND (0.00000442)		ND (0.00000445)	ND (0.00000502)	ND (0.00000517)	ND (0.00000736)	ND (0.00000339)	ND (0.00000923)		
PCB 158	UG/L	T														
PCB 159	UG/L	T														
PCB 16	UG/L	T														
PCB 160	UG/L	T														
PCB 162	UG/L	T														
PCB 164	UG/L	T														
PCB 167	UG/L	T					ND (0.00000426)		ND (0.00000416)	ND (0.00000485)	ND (0.00000521)	ND (0.00000699)	ND (0.00000521)	ND (0.00000946)		
PCB 169	UG/L	T					ND (0.00000629)		ND (0.00000554)	ND (0.00000622)	ND (0.000006)	ND (0.00000744)	ND (0.00000925)	ND (0.0000118)		
PCB 17	UG/L	T														
PCB 170	UG/L	T														
PCB 172	UG/L	T														
PCB 174	UG/L	T														
PCB 175	UG/L	T														
PCB 176	UG/L	T														
PCB 177	UG/L	T														
PCB 178	UG/L	T														
PCB 179	UG/L	T														
PCB 183	UG/L	T														
PCB 185	UG/L	T														
PCB 187	UG/L	T														
PCB 189	UG/L	T					ND (0.00000127)		ND (0.00000197)	ND (0.0000022)	ND (0.000004)	ND (0.00000132)	ND (0.00000136)	ND (0.00000471)		
PCB 19	UG/L	T														

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	
			Human Health			Date	11/15/05	11/15/05	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T												
PCB 191	UG/L	T												
PCB 194	UG/L	T												
PCB 195	UG/L	T												
PCB 196	UG/L	T												
PCB 197	UG/L	T												
PCB 2	UG/L	T												
PCB 200	UG/L	T												
PCB 201	UG/L	T												
PCB 202	UG/L	T												
PCB 203	UG/L	T												
PCB 205	UG/L	T												
PCB 206	UG/L	T												
PCB 207	UG/L	T												
PCB 208	UG/L	T												
PCB 209	UG/L	T												
PCB 22	UG/L	T												
PCB 23	UG/L	T												
PCB 25	UG/L	T												
PCB 27	UG/L	T												
PCB 3	UG/L	T												
PCB 31	UG/L	T												
PCB 32	UG/L	T												
PCB 34	UG/L	T												
PCB 35	UG/L	T												
PCB 37	UG/L	T												
PCB 38	UG/L	T												
PCB 39	UG/L	T												
PCB 4	UG/L	D												
PCB 4	UG/L	T												
PCB 41	UG/L	T												
PCB 42	UG/L	T												
PCB 43	UG/L	T												
PCB 45	UG/L	T												
PCB 46	UG/L	T												
PCB 48	UG/L	T												
PCB 5	UG/L	T												
PCB 51	UG/L	T												
PCB 52	UG/L	T												
PCB 54	UG/L	T												
PCB 56	UG/L	T												
PCB 57	UG/L	T												
PCB 6	UG/L	T												
PCB 60	UG/L	T												
PCB 63	UG/L	T												
PCB 64	UG/L	T												
PCB 66	UG/L	T												
PCB 67	UG/L	T												
PCB 68	UG/L	T												
PCB 7	UG/L	T												
PCB 72	UG/L	T												
PCB 77	UG/L	T					ND (0.00000332)		ND (0.00000671)	ND (0.00000557)	0.00000636	0.0000533	ND (0.00000526)	ND (0.00000877)
PCB 8	UG/L	T												
PCB 82	UG/L	T												
PCB 83	UG/L	T												
PCB 84	UG/L	T												
PCB 88	UG/L	T												
PCB 9	UG/L	T												
PCB 91	UG/L	T												

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02		
			Human Health				Ecological (DF=29,412)	11/15/05	11/15/05	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
PCB 92	UG/L	T														
PCB 95	UG/L	T														
PCB 96	UG/L	T														
PCB 99	UG/L	T														
PCB-106/118	UG/L	T				0.0000142		ND (0.0000137)	ND (0.00002)	ND (0.0000183)	0.000138 B	ND (0.00000743)	ND (0.0000129)			
PCB-107/124	UG/L	T														
PCB-108/119/86/97/125/87	UG/L	T														
PCB-113/90/101	UG/L	T														
PCB-116/85	UG/L	T														
PCB-128/166	UG/L	T														
PCB-13/12	UG/L	T														
PCB-139/140	UG/L	T														
PCB-147/149	UG/L	T														
PCB-151/135	UG/L	T														
PCB-153/168	UG/L	T														
PCB-156/157	UG/L	T														
PCB-163/138/129	UG/L	T														
PCB-171/173	UG/L	T														
PCB-180/193	UG/L	D														
PCB-180/193	UG/L	T														
PCB-198/199	UG/L	T														
PCB-21/33	UG/L	T														
PCB-26/29	UG/L	T														
PCB-28/20	UG/L	T														
PCB-30/18	UG/L	T														
PCB-44/47/65	UG/L	T														
PCB-50/53	UG/L	T														
PCB-59/62/75	UG/L	T														
PCB-61/70/74/76	UG/L	T														
PCB-69/49	UG/L	T														
PCB-71/40	UG/L	T														
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	ND (0.0000255)		ND (0.0000516)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000498)		ND (0.0000528)	ND (0.0000497)	ND (0.0000495)	ND (0.000051)		ND (0.000104)			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D														
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	ND (0.0000255)		ND (0.0000516)			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	0.0000362		ND (0.0000516)			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	ND (0.0000255)		ND (0.0000516)			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	ND (0.0000255)		ND (0.0000516)			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	ND (0.0000255)		ND (0.0000516)			
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02	0.0000207 B			0.000174 B	0.00000636	0.00303 B					
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	ND (0.0000248)	ND (0.0000248)	0.000711 B		ND (0.0000516)			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	0.0000941 B	ND (0.0000248)	0.00174 B		ND (0.0000516)			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000249)		ND (0.0000264)	0.0000802 B	ND (0.0000248)	0.000539 B		ND (0.0000516)			
ALUMINUM	UG/L	D		3.95E+11	2.56E+06											
ALUMINUM	UG/L	T														
ANTIMONY	UG/L	D		1.58E+08	8.82E+05											
ANTIMONY	UG/L	T				ND (128)		ND (64)	ND (64)	ND (64)	ND (64)	ND (64)	ND (64)			
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06											
ARSENIC	UG/L	T				ND (186)		ND (93)	128 J	ND (93)	112 J	96.1 J	163 J			
BARIUM	UG/L	D		7.90E+10	1.18E+05											
BARIUM	UG/L	T														
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04											
BERYLLIUM	UG/L	T														
CADMIUM	UG/L	D		1.98E+08	2.65E+04											
CADMIUM	UG/L	T														
CALCIUM	UG/L	D														
CALCIUM	UG/L	T														
CHROMIUM	UG/L	D			4.76E+06											
CHROMIUM	UG/L	T														

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	
			Human Health				11/15/05	11/15/05	12/22/05	1/20/06	2/16/06	3/22/06	4/12/06	5/17/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	
Duplicate						FS	FS	FS	FS	FS	FS	FS		
COBALT	UG/L	D		1.41E+08	6.76E+05									
COBALT	UG/L	T												
COPPER	UG/L	D		1.58E+10	2.68E+05									
COPPER	UG/L	T												
FERROUS IRON	UG/L	T												
IRON	UG/L	D		2.77E+11	2.94E+07									
IRON	UG/L	T						325000	332000	340000	350000 J	343000 J	357000 J	
LEAD	UG/L	D			4.71E+05									
LEAD	UG/L	T												
MAGNESIUM	UG/L	D												
MAGNESIUM	UG/L	T												
MANGANESE	UG/L	D		5.53E+10	3.38E+07									
MANGANESE	UG/L	T				169000		149000	150000	154000	150000	148000	146000	
MERCURY	UG/L	D		1.19E+08	3.53E+02									
MERCURY	UG/L	T												
NICKEL	UG/L	D		1.00E+10	3.59E+06									
NICKEL	UG/L	T												
POTASSIUM	UG/L	D												
POTASSIUM	UG/L	T												
SELENIUM	UG/L	D		1.98E+09	1.47E+05									
SELENIUM	UG/L	T												
SILVER	UG/L	D		2.21E+09	2.65E+05									
SILVER	UG/L	T												
SODIUM	UG/L	D												
SODIUM	UG/L	T												
THALLIUM	UG/L	D		3.95E+06	1.18E+06									
THALLIUM	UG/L	T				ND (200)		ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	
TITANIUM	UG/L	D												
TITANIUM	UG/L	T												
VANADIUM	UG/L	D		2.77E+07	5.88E+05									
VANADIUM	UG/L	T												
ZINC	UG/L	D		1.33E+11	2.41E+06									
ZINC	UG/L	T												
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T												
AMMONIA	UG/L	T		1.34E+13										
CHLORIDE	UG/L	T												
CYANIDE	UG/L	T		8.45E+09	1.53E+05									
FERRIC IRON	UG/L	T												
NITRATE	UG/L	T		6.32E+11										
NITRITE	UG/L	T		3.95E+10										
PHOSPHORUS	UG/L	T												
SILICA	UG/L	T												
SULFATE	UG/L	T												
SULFIDE	UG/L	T												
TOTAL DISSOLVED SOLIDS	UG/L	T							9670000 J	7120000 J	8720000	8560000		
TOTAL HARDNESS AS CaCO3	UG/L	T												
TOTAL ORGANIC CARBON	UG/L	T						1400 J	2200 B	1800 B	1800 J	1600 J	1600 J	
TOTAL SUSPENDED SOLIDS	UG/L	T						77200	52000	94400	50800	11600 J	10400 J	
COLOR QUALITATIVE (FIELD)	NS	T						lt. brown	clr	lt. Brown	clear	clear clear clear		
DEPTH TO WATER FROM TOC	Feet	T												
DISSOLVED OXYGEN (FIELD)	UG/L	T						0	0	40	0	0	150	0
ODOR (FIELD)	NS	T						yes	none	none none yes		none	none	
OVABZONE	PPM	T						NR	NR	NR NR NR NR NR				
OVACASING	PPM	T						NR	NR	NR NR NR NR NR				
REDOX (FIELD)	MV	T						NR	NR	NR				
TOTAL WELL DEPTH	Feet	T												
TURBIDITY QUANTITATIVE (FIELD)	NTU	T												
HPCDFS	UG/L	T						ND (0.000000647)	0.000021	ND (0.00000086)	ND (0.00000142)	ND (0.00000129)	ND (0.000000173)	ND (0.00000126)
TOTAL HPCDDS	UG/L	T						0.0000338	0.000183	0.00011	0.0000672	0.0000331	0.0000235	ND (0.0000026)

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03
			Human Health			Date	5/15/07	8/20/07	11/11/08	6/13/05	7/21/05	8/23/05	9/22/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0		
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP		
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05		ND (0.8)	ND (0.8)	ND (0.8)				
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06		ND (1)	ND (1)	ND (1)				
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05		ND (0.8)	ND (0.8)	ND (0.8)				
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04		ND (1)	ND (1) R	ND (1) R				
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05		ND (1)	ND (1) R	ND (1) R				
ACETONE	UG/L	T		4.08E+11	4.41E+07		ND (6)	ND (6)	ND (6)				
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07		ND (0.5)	ND (0.5)	ND (0.5)				
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04		ND (1)	ND (1)	ND (1)				
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04		ND (0.8)	ND (0.8)	ND (0.8)				
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04		7	8	7				
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05		ND (0.8)	ND (0.8)	ND (0.8)				
ETHYL CHLORIDE	UG/L	T					ND (1)	ND (1)	ND (1)				
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06		ND (0.8)	ND (0.8)	ND (0.8)				
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06		ND (1)	ND (1)	ND (1)				
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08		ND (3)	ND (3)	ND (3)				
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06		ND (2)	ND (2)	ND (2)				
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06		ND (0.8)	ND (0.8)	ND (0.8)				
TOLUENE	UG/L	T		3.52E+09	5.88E+04		ND (0.7)	ND (0.7)	ND (0.7)				
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05		ND (0.8)	ND (0.8)	ND (0.8)				
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05		ND (1)	ND (1)	ND (1)				
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07		ND (1)	ND (1)	ND (1)				
XYLENES	UG/L	T		5.98E+09	3.82E+05		ND (0.8)	ND (0.8)	ND (0.8)				
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07		ND (3)	ND (3)	ND (3) R				
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05		ND (1)	ND (1) R	ND (1) R				
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09			ND (1)	ND (1)	ND (1) R				
ACENAPHTHENE	UG/L	T		1.01E+09			ND (1)	ND (1) R	ND (0.51)				
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02		ND (1)	ND (1) R	ND (0.02)				
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02		ND (1)	ND (1) R	ND (0.01)				
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05		ND (2)	ND (2) R	ND (2) R				
CARBAZOLE	UG/L	T		5.29E+08			ND (1)	ND (1) R	ND (1) R				
CHRYSENE	UG/L	T	9.83E+01		1.18E+02		ND (1)	ND (1) R	ND (0.041)				
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05		ND (1)	ND (1) R	ND (1) R				
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05		ND (2)	ND (2) R	ND (2) R				
FLUORENE	UG/L	T		5.29E+08	8.82E+04		ND (1)	ND (1) R	ND (0.1)				
HEXACHLOROETHYLENE	UG/L	T			8.82E+00		ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) UJ	ND (1) UJ	ND (1) UJ
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04		ND (1)	ND (1) R	ND (1)				
PHENANTHRENE	UG/L	T			1.18E+04		ND (1)	ND (1) R	ND (0.041)				
1,2,3,4,6,7,8-HPCDD	UG/L	T					0.00000297 J	ND (0.00000113) U		ND (0.00000588)	ND (0.0000019)	0.00000202	0.00000264
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.00000971)	ND (0.00000591) U		ND (0.00000988)	ND (0.00000665)	ND (0.00000534)	0.00000867
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.00000154)	ND (0.00000978) U		ND (0.00000129)	ND (0.00000808)	ND (0.00000797)	ND (0.00000251)
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.00000108)	ND (0.00000608) U		ND (0.00000151)	ND (0.00000123)	ND (0.00000196)	ND (0.00000988)
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.00000171)	ND (0.00000221) U		ND (0.00000849)	ND (0.00000385)	ND (0.00000581)	ND (0.00000289)
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.00000112)	ND (0.00000667) U		ND (0.0000014)	ND (0.00000126)	ND (0.00000193)	ND (0.00000943)
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.00000155)	ND (0.00000237) U		ND (0.00000792)	ND (0.00000371)	ND (0.00000544)	ND (0.00000288)
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.0000012)	ND (0.00000652) U		ND (0.00000145)	ND (0.00000117)	ND (0.00000191)	ND (0.00000091)
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.00000025)	ND (0.00000375) U		ND (0.00000131)	ND (0.00000769)	ND (0.00000842)	ND (0.00000475)
1,2,3,7,8-PECDF	UG/L	T					ND (0.00000566)	ND (0.00000143) U		ND (0.00000228)	ND (0.00000114)	ND (0.00000111)	ND (0.00000112)
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.000000192)	ND (0.00000288) U		ND (0.00000924)	ND (0.00000438)	ND (0.00000592)	ND (0.00000302)
2,3,4,7,8-PECDF	UG/L	T					ND (0.00000524)	ND (0.00000114) U		ND (0.00000201)	ND (0.00000988)	ND (0.00000952)	ND (0.00000907)
2,3,7,8-TCDD	UG/L	T					ND (0.00000201)	ND (0.00000203) U		ND (0.00000876)	ND (0.000006)	ND (0.00000641)	ND (0.00000793)
2,3,7,8-TCDF	UG/L	T					ND (0.00000244)	ND (0.00000301) U		ND (0.00000139)	ND (0.00000853)	ND (0.00000075)	ND (0.00000432)
HPCDDs	UG/L	T					0.00000729	0.00000156 U*					
HXCDDs	UG/L	T					ND (0.00000113)	ND (0.00000642) U		ND (0.00000145)	ND (0.00000122)	ND (0.00000193)	0.00000102
HXCDFs	UG/L	T					ND (0.000000188)	ND (0.00000272) U		ND (0.00000113)	ND (0.00000472)	ND (0.00000629)	ND (0.00000383)
OCDD	UG/L	T					0.0000444	ND (0.000005) U		0.0000699	0.0000134	0.0000941	0.000101
OCDF	UG/L	T					ND (0.00000179)	ND (0.00000264) U		ND (0.00000669)	ND (0.00000185)	ND (0.00000453)	0.00000366 B
TCDDs	UG/L	T					0.00000122 EMPC	0.000000845 U*		0.0000105	0.00000165	0.0000102	0.0000121

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03		
			Human Health				Duplicate	5/15/07	8/20/07	11/11/08	6/13/05	7/21/05	8/23/05	9/22/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.00000244)	ND (0.00000301) U		ND (0.00000303)	ND (0.00000853)	ND (0.00000075)	ND (0.00000432)			
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T				ND (0.00000943)	ND (0.0000101) U		ND (0.00000861)	ND (0.00000824)	ND (0.00000699)	ND (0.00000573)			
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T				ND (0.00000545)	ND (0.0000128) U		ND (0.00000214)	ND (0.0000106)	ND (0.0000103)	ND (0.0000101)			
PCB 1	UG/L	D						0.0000147 B							
PCB 1	UG/L	T				0.0000132 EMPC	0.0000122								
PCB 10	UG/L	T				ND (0.00000729)	ND (0.0000136) U								
PCB 103	UG/L	T				ND (0.00000229)	ND (0.00000946) U								
PCB 105	UG/L	T				ND (0.00000235)	0.0000155 U*		ND (0.0000492)	0.00000779	ND (0.0000103)	ND (0.00000927)			
PCB 109	UG/L	T				0.00000349 B	ND (0.00000746) U								
PCB 11	UG/L	T				0.0000389 B	0.0000209 U*								
PCB 110	UG/L	T				0.0000136 B	0.0000039 U*								
PCB 114	UG/L	T				ND (0.00000248)	ND (0.00000971) U		ND (0.0000492)	ND (0.00000602)	ND (0.0000109)	ND (0.0000101)			
PCB 117	UG/L	T				ND (0.00000234)	ND (0.00000848) U								
PCB 118	UG/L	T				0.00000952 B	0.00000272 U*								
PCB 123	UG/L	T				ND (0.00000235)	ND (0.00000972) U		ND (0.0000492)	ND (0.0000123)	ND (0.0000123)	ND (0.0000104)			
PCB 130	UG/L	T				0.00000703 B	ND (0.0000109) U								
PCB 131	UG/L	T				ND (0.0000026)	ND (0.00000914) U								
PCB 132	UG/L	T				0.00000724 B	ND (0.0000009) U								
PCB 133	UG/L	T				0.00000568 B	ND (0.00000895) U								
PCB 134	UG/L	T				ND (0.00000344)	ND (0.0000123) U								
PCB 136	UG/L	T				ND (0.00000203)	ND (0.00000746) U								
PCB 137	UG/L	T				ND (0.00000233)	ND (0.00000795) U								
PCB 141	UG/L	T				ND (0.00000252)	ND (0.00000857) U								
PCB 144	UG/L	T				ND (0.0000028)	ND (0.00000938) U								
PCB 146	UG/L	T				0.0000159 B	ND (0.00000888) U								
PCB 148	UG/L	T				ND (0.00000263)	ND (0.00000921) U								
PCB 15	UG/L	T				ND (0.00000812)	ND (0.000002) U								
PCB 150	UG/L	T				ND (0.00000182)	ND (0.00000671) U								
PCB 154	UG/L	T				ND (0.00000242)	ND (0.00000833) U								
PCB 156	UG/L	T							ND (0.0000492)	ND (0.0000183)	ND (0.00000212)	ND (0.00000197)			
PCB 157	UG/L	T							ND (0.0000492)	ND (0.0000019)	ND (0.00000228)	ND (0.0000021)			
PCB 158	UG/L	T				ND (0.00000215)	ND (0.00000703) U								
PCB 159	UG/L	T				ND (0.00000258)	ND (0.00000752) U								
PCB 16	UG/L	T				ND (0.00000356)	ND (0.00000231) U								
PCB 160	UG/L	T				ND (0.00000235)	ND (0.00000768) U								
PCB 162	UG/L	T				ND (0.0000023)	ND (0.0000069) U								
PCB 164	UG/L	T				0.0000027 B	ND (0.00000627) U								
PCB 167	UG/L	T				ND (0.00000247)	ND (0.00000721) U		ND (0.0000492)	ND (0.00000181)	ND (0.00000216)	ND (0.00000214)			
PCB 169	UG/L	T				ND (0.00000296)	ND (0.00000971) U		ND (0.0000492)	0.00000344 B	0.00000385 B	0.00000512 B			
PCB 17	UG/L	T				ND (0.00000254)	ND (0.0000163) U								
PCB 170	UG/L	T				ND (0.00000294)	ND (0.0000012) U								
PCB 172	UG/L	T				ND (0.00000286)	ND (0.00000113) U								
PCB 174	UG/L	T				ND (0.00000296)	ND (0.00000122) U								
PCB 175	UG/L	T				ND (0.00000289)	ND (0.00000117) U								
PCB 176	UG/L	T				ND (0.00000161)	ND (0.0000058) U								
PCB 177	UG/L	T				ND (0.00000311)	ND (0.00000131) U								
PCB 178	UG/L	T				ND (0.00000241)	ND (0.00000857) U								
PCB 179	UG/L	T				ND (0.00000203)	ND (0.00000724) U								
PCB 183	UG/L	T				ND (0.00000228)	ND (0.00000949) U								
PCB 185	UG/L	T				ND (0.00000247)	ND (0.00000963) U								
PCB 187	UG/L	T				ND (0.00000275)	ND (0.00000111) U								
PCB 189	UG/L	T				ND (0.00000249)	ND (0.00000967) U		ND (0.0000492)	ND (0.00000111)	ND (0.0000016)	ND (0.00000149)			
PCB 19	UG/L	T				ND (0.00000285)	ND (0.00000187) U								

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03	
			Human Health				Ecological (DF=29,412)	5/15/07	8/20/07	11/11/08	6/13/05	7/21/05	8/23/05	9/22/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0
PCB 190	UG/L	T				ND (0.00000255)	ND (0.00000101) U							
PCB 191	UG/L	T				ND (0.00000251)	ND (0.00000101) U							
PCB 194	UG/L	T				ND (0.00000346)	ND (0.0000012) U							
PCB 195	UG/L	T				ND (0.00000342)	ND (0.00000125) U							
PCB 196	UG/L	T				ND (0.00000244)	ND (0.00000884) U							
PCB 197	UG/L	T				ND (0.00000172)	ND (0.00000629) U							
PCB 2	UG/L	T				0.00000675 EMPC	0.00000561 J							
PCB 200	UG/L	T				ND (0.00000222)	ND (0.00000757) U							
PCB 201	UG/L	T				ND (0.00000203)	ND (0.0000073) U							
PCB 202	UG/L	T				ND (0.00000192)	ND (0.00000757) U							
PCB 203	UG/L	T				ND (0.00000263)	ND (0.00000944) U							
PCB 205	UG/L	T				ND (0.00000301)	ND (0.00000967) U							
PCB 206	UG/L	T				ND (0.00000513)	ND (0.00000343) U							
PCB 207	UG/L	T				ND (0.0000035)	ND (0.0000023) U							
PCB 208	UG/L	T				ND (0.00000379)	ND (0.00000243) U							
PCB 209	UG/L	T				ND (0.0000029)	ND (0.00000924) U							
PCB 22	UG/L	T				ND (0.00000292)	ND (0.00000161) U							
PCB 23	UG/L	T				ND (0.00000279)	ND (0.00000159) U							
PCB 25	UG/L	T				ND (0.00000263)	ND (0.00000148) U							
PCB 27	UG/L	T				ND (0.00000221)	ND (0.00000141) U							
PCB 3	UG/L	T				0.00000553	0.00000278 J							
PCB 31	UG/L	T				0.000005 B	0.00000169 U*							
PCB 32	UG/L	T				ND (0.00000179)	ND (0.00000115) U							
PCB 34	UG/L	T				ND (0.00000301)	ND (0.00000166) U							
PCB 35	UG/L	T				ND (0.00000317)	ND (0.00000175) U							
PCB 37	UG/L	T				ND (0.00000352)	ND (0.00000171) U							
PCB 38	UG/L	T				ND (0.00000281)	ND (0.00000154) U							
PCB 39	UG/L	T				ND (0.00000281)	ND (0.00000151) U							
PCB 4	UG/L	D						0.00000515 B						
PCB 4	UG/L	T				ND (0.0000122)	0.00000419 J							
PCB 41	UG/L	T				ND (0.00000286)	ND (0.00000117) U							
PCB 42	UG/L	T				ND (0.00000292)	ND (0.0000013) U							
PCB 43	UG/L	T				ND (0.00000331)	ND (0.00000148) U							
PCB 45	UG/L	T				ND (0.00000228)	ND (0.00000108) U							
PCB 46	UG/L	T				ND (0.00000265)	ND (0.00000116) U							
PCB 48	UG/L	T				ND (0.00000233)	ND (0.00000995) U							
PCB 5	UG/L	T				ND (0.00000667)	ND (0.00000176) U							
PCB 51	UG/L	T				ND (0.00000247)	ND (0.00000105) U							
PCB 52	UG/L	T				0.0000093 B	0.00000712 U*							
PCB 54	UG/L	T				ND (0.00000163)	ND (0.00000761) U							
PCB 56	UG/L	T				ND (0.00000235)	ND (0.00000112) U							
PCB 57	UG/L	T				ND (0.00000212)	ND (0.00000981) U							
PCB 6	UG/L	T				ND (0.0000073)	ND (0.00000185) U							
PCB 60	UG/L	T				ND (0.00000207)	ND (0.0000097) U							
PCB 63	UG/L	T				ND (0.00000185)	ND (0.00000841) U							
PCB 64	UG/L	T				ND (0.00000157)	ND (0.00000681) U							
PCB 66	UG/L	T				ND (0.00000237)	ND (0.00000105) U							
PCB 67	UG/L	T				ND (0.00000217)	ND (0.00000101) U							
PCB 68	UG/L	T				ND (0.00000206)	ND (0.00000974) U							
PCB 7	UG/L	T				ND (0.00000629)	ND (0.0000017) U							
PCB 72	UG/L	T				ND (0.00000212)	ND (0.000001) U							
PCB 77	UG/L	T				ND (0.0000029)	ND (0.00000122) U		ND (0.0000492)	0.00000489	0.00000421 B	0.00000391 B		
PCB 8	UG/L	T				0.00000864 B	0.00000208 J							
PCB 82	UG/L	T				ND (0.00000352)	ND (0.00000144) U							
PCB 83	UG/L	T				ND (0.00000317)	ND (0.00000122) U							
PCB 84	UG/L	T				ND (0.00000287)	ND (0.0000012) U							
PCB 88	UG/L	T				ND (0.00000298)	ND (0.00000128) U							
PCB 9	UG/L	T				ND (0.00000694)	0.00000242 J							
PCB 91	UG/L	T				ND (0.00000225)	ND (0.00000902) U							

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03		
			Human Health				Duplicate	5/15/07	8/20/07	11/11/08	6/13/05	7/21/05	8/23/05	9/22/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	Bottom (ft)	FS	FS	FS	FS	FS	FS
								0	0	0	0	0	0	0	
PCB 92	UG/L	T					ND (0.0000031)	ND (0.00000127) U							
PCB 95	UG/L	T					0.00000623 B	0.00000514 U*							
PCB 96	UG/L	T					ND (0.00000193)	ND (0.000000646) U							
PCB 99	UG/L	T					ND (0.00000261)	ND (0.00000106) U							
PCB-106/118	UG/L	T								ND (0.0000492)	0.0000118	ND (0.0000127)	ND (0.0000101)		
PCB-107/124	UG/L	T					ND (0.00000236)	ND (0.000000936) U							
PCB-108/119/86/97/125/87	UG/L	T					ND (0.00000249)	ND (0.00000101) U							
PCB-113/90/101	UG/L	T					0.00000904 B	0.00000595 U*							
PCB-116/85	UG/L	T					ND (0.00000242)	ND (0.00000103) U							
PCB-128/166	UG/L	T					ND (0.00000265)	ND (0.000000808) U							
PCB-13/12	UG/L	T					ND (0.00000727)	ND (0.00000191) U							
PCB-139/140	UG/L	T					ND (0.00000246)	ND (0.00000086) U							
PCB-147/149	UG/L	T					0.0000107 B	0.00000323 U*							
PCB-151/135	UG/L	T					0.00000686 B	ND (0.000000914) U							
PCB-153/168	UG/L	T					0.0000103 B	0.00000247 U*							
PCB-156/157	UG/L	T					ND (0.00000335)	ND (0.000000977) U							
PCB-163/138/129	UG/L	T					0.0000138 B	0.00000314 U*							
PCB-171/173	UG/L	T					ND (0.00000297)	ND (0.00000122) U							
PCB-180/193	UG/L	D							0.00000214 EMPC						
PCB-180/193	UG/L	T					ND (0.0000024)	ND (0.000000954) U							
PCB-198/199	UG/L	T					ND (0.00000299)	ND (0.00000107) U							
PCB-21/33	UG/L	T					0.00000323 B	ND (0.00000139) U							
PCB-26/29	UG/L	T					ND (0.00000269)	ND (0.00000149) U							
PCB-28/20	UG/L	T					0.00000665 B	0.00000205 U*							
PCB-30/18	UG/L	T					0.00000829 B	0.00000359 J							
PCB-44/47/65	UG/L	T					0.00000887 B	0.00000337 U*							
PCB-50/53	UG/L	T					ND (0.00000231)	ND (0.00000102) U							
PCB-59/62/75	UG/L	T					ND (0.00000182)	ND (0.000000779) U							
PCB-61/70/74/76	UG/L	T					0.00000589 B	0.00000424 U*							
PCB-69/49	UG/L	T					0.00000323 B	0.00000211 U*							
PCB-71/40	UG/L	T					ND (0.00000245)	ND (0.0000011) U							
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T							0.0000524	ND (0.0000518)	ND (0.0000249)	ND (0.0000247)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000475 B	0.0000296 J	0.0000854	ND (0.0000518)	ND (0.0000497)	ND (0.0000493)			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D							0.00000214 EMPC						
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000247)	ND (0.000000983) U		ND (0.0000492)	ND (0.0000518)	ND (0.0000249)	ND (0.0000247)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000675 B	0.00000884 U*		ND (0.0000492)	ND (0.0000518)	ND (0.0000249)	ND (0.0000247)		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000553	0.0000206 J		ND (0.0000492)	ND (0.0000259)	ND (0.0000249)	ND (0.0000247)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000446)	ND (0.00000293) U		ND (0.0000492)	ND (0.0000518)	ND (0.0000249)	ND (0.0000247)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000246)	ND (0.000000862) U		ND (0.0000492)	ND (0.0000518)	ND (0.0000249)	ND (0.0000247)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02					0.00169	0.000488	0.00000806 B	0.00000903 B		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000294 B	0.0000193 U*		ND (0.0000492)	ND (0.0000518)	ND (0.0000249)	ND (0.0000247)		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000273 B	0.0000168 U*		0.000944	0.000347	ND (0.0000249)	ND (0.0000247)		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000199 B	0.00000733 J		0.000563	0.000118 B	ND (0.0000249)	ND (0.0000247)		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06		176000	157000		156000 J					
ALUMINUM	UG/L	T					185000	157000		161000 J					
ANTIMONY	UG/L	D		1.58E+08	8.82E+05		ND (96.6)	ND (97)		ND (97)					
ANTIMONY	UG/L	T					ND (96.6)	ND (97)		ND (97)					
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06		ND (99.9)	16.2		362					
ARSENIC	UG/L	T					ND (99.9)	17.2		343	ND (9.3)	ND (9.3) UJ	ND (9.3)		
BARIUM	UG/L	D		7.90E+10	1.18E+05		3990	3490		3530					
BARIUM	UG/L	T					4200	3510		3620					
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04		367	341		336					
BERYLLIUM	UG/L	T					383	341		341					
CADMIUM	UG/L	D		1.98E+08	2.65E+04		ND (9.1)	14.7 J		22.3 J					
CADMIUM	UG/L	T					10.2 J	13.4 J		24.6 J					
CALCIUM	UG/L	D					876000	802000		805000					
CALCIUM	UG/L	T					910000	796000		822000					
CHROMIUM	UG/L	D			4.76E+06		ND (23)	ND (23)		ND (30)					
CHROMIUM	UG/L	T					ND (23)	ND (23)		ND (30)					

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03
			Human Health				5/15/07	8/20/07	11/11/08	6/13/05	7/21/05	8/23/05	9/22/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	DUP
COBALT	UG/L	D		1.41E+08	6.76E+05	4210	3980	3620					
COBALT	UG/L	T				4380	3980	3700					
COPPER	UG/L	D		1.58E+10	2.68E+05	267	249 B	211					
COPPER	UG/L	T				298	257 B	231					
FERROUS IRON	UG/L	T				648000 J	513000 J	576000					
IRON	UG/L	D		2.77E+11	2.94E+07	443000	411000	429000					
IRON	UG/L	T				464000	412000	439000					
LEAD	UG/L	D			4.71E+05	45.5	45.1	34.4					
LEAD	UG/L	T				47.1	39.5	35.7	9.3 J			ND (8.4)	
MAGNESIUM	UG/L	D				291000	264000	249000					
MAGNESIUM	UG/L	T				304000	266000	255000					
MANGANESE	UG/L	D		5.53E+10	3.38E+07	159000	137000	134000					
MANGANESE	UG/L	T				164000	137000	139000	5050	5440	5060	5350	
MERCURY	UG/L	D		1.19E+08	3.53E+02	0.49 J	ND (0.056)	ND (0.56)					
MERCURY	UG/L	T				0.9 J	ND (0.056)	ND (0.28)					
NICKEL	UG/L	D		1.00E+10	3.59E+06	1750	1650 J	1610					
NICKEL	UG/L	T				1820	1640 J	1630					
POTASSIUM	UG/L	D				17500	13800	16100					
POTASSIUM	UG/L	T				18400	13700	16500					
SELENIUM	UG/L	D		1.98E+09	1.47E+05	ND (93.8)	ND (94)	ND (107)					
SELENIUM	UG/L	T				ND (93.8)	ND (94)	ND (107)					
SILVER	UG/L	D		2.21E+09	2.65E+05	36.9 J	ND (16) UJ	26 J					
SILVER	UG/L	T				39.9 J	ND (16) UJ	26.5 J					
SODIUM	UG/L	D				279000	254000	269000					
SODIUM	UG/L	T				291000	258000	276000					
THALLIUM	UG/L	D		3.95E+06	1.18E+06	0.84 J	0.95	0.83					
THALLIUM	UG/L	T				0.78 J	0.95	0.84	ND (50)	ND (10) UJ	24.4	ND (10)	
TITANIUM	UG/L	D				ND (27.8)	ND (28) UJ	ND (38)					
TITANIUM	UG/L	T				ND (27.8)	ND (28) UJ	50.6 J					
VANADIUM	UG/L	D		2.77E+07	5.88E+05	31 J	35.1 J	ND (25)					
VANADIUM	UG/L	T				35.1 J	38.4 J	ND (25)					
ZINC	UG/L	D		1.33E+11	2.41E+06	5430	4970	4870					
ZINC	UG/L	T				5660	4960	4980					
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				ND (460)	ND (460)	ND (460)					
AMMONIA	UG/L	T		1.34E+13		ND (200)	2200	2900					
CHLORIDE	UG/L	T				5820000	6510000	5190000					
CYANIDE	UG/L	T		8.45E+09	1.53E+05	ND (5) UJ	ND (5) UJ	ND (5)					
FERRIC IRON	UG/L	T				ND (8000)	ND (8000)	ND (40000)					
NITRATE	UG/L	T		6.32E+11		ND (40)	ND (40)	ND (40)					
NITRITE	UG/L	T		3.95E+10		120 J	130 J	140					
PHOSPHORUS	UG/L	T				ND (250)	ND (250)	ND (250)					
SILICA	UG/L	T				60600	54100	59000					
SULFATE	UG/L	T				8000	8200	ND (10000)					
SULFIDE	UG/L	T				ND (54)	ND (54)	ND (54)					
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T						3100000					
TOTAL ORGANIC CARBON	UG/L	T				1300 J	1000 J	1300					
TOTAL SUSPENDED SOLIDS	UG/L	T				20000 B	ND (3000)	100000					
COLOR QUALITATIVE (FIELD)	NS	T				Clear	clr	Clear	light tan	opaque	lt brown		
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				430	390	710	320	-180	40		
ODOR (FIELD)	NS	T				No	no	No	none	none none			
OVABZONE	PPM	T				NR			NR	NR			
OVACASING	PPM	T				NR			NR	NR			
REDOX (FIELD)	MV	T								N/A	NR		
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T							med/low				
HPCDFS	UG/L	T				ND (0.00000122)	ND (0.000000756) U		ND (0.00000112)	ND (0.000000728)	ND (0.000000654)	0.00000137	
TOTAL HPCDDS	UG/L	T							ND (0.00000588)	ND (0.0000019)	0.00000202	0.00000516	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
			Human Health			Date	9/22/05	10/12/05	10/12/05	11/15/05	11/15/05	12/21/05	1/20/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	DUP	FS	DUP	FS	DUP	FS	DUP	FS	DUP			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04								
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								
ACETONE	UG/L	T		4.08E+11	4.41E+07								
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								
ETHYL CHLORIDE	UG/L	T											
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								
TOLUENE	UG/L	T		3.52E+09	5.88E+04								
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								
XYLENES	UG/L	T		5.98E+09	3.82E+05								
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									
ACENAPHTHENE	UG/L	T		1.01E+09									
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								
CARBAZOLE	UG/L	T		5.29E+08									
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								
FLUORENE	UG/L	T		5.29E+08	8.82E+04								
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (10)	ND (10)	ND (2)	ND (1) UJ	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								
PHENANTHRENE	UG/L	T			1.18E+04								
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.00000316	ND (0.00000168)	0.00000127	0.0000024	0.00000328	0.00000475	ND (0.0000024)	
1,2,3,4,6,7,8-HPCDF	UG/L	T				0.00000145	ND (0.000000799)	ND (0.000000999)	ND (0.000000557)	ND (0.00000115)	0.00000104	ND (0.000000615)	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000047)	ND (0.000000868)	ND (0.00000114)	ND (0.000000628)	ND (0.00000122)	ND (0.000000679)	ND (0.000000608)	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000105)	ND (0.000000855)	ND (0.00000168)	ND (0.00000133)	ND (0.00000119)	ND (0.00000126)	ND (0.0000014)	
1,2,3,4,7,8-HXCDF	UG/L	T				0.0000005	ND (0.000000532)	ND (0.00000044)	ND (0.00000043)	ND (0.000000528)	ND (0.00000028)	ND (0.000000434)	
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.0000011)	ND (0.000000888)	ND (0.00000168)	ND (0.00000139)	ND (0.00000118)	ND (0.00000125)	ND (0.00000148)	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000279)	ND (0.000000513)	ND (0.000000387)	ND (0.000000418)	ND (0.000000497)	ND (0.000000283)	ND (0.000000434)	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000102)	ND (0.000000824)	ND (0.00000159)	ND (0.00000128)	ND (0.00000112)	ND (0.00000123)	ND (0.0000014)	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.000000467)	ND (0.0000009)	ND (0.000000727)	ND (0.000000711)	ND (0.000000838)	ND (0.00000049)	ND (0.000000616)	
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000069)	ND (0.00000164)	ND (0.000000951)	ND (0.00000112)	ND (0.00000136)	ND (0.00000107)	ND (0.000000805)	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000294)	ND (0.000000557)	ND (0.000000462)	ND (0.000000458)	ND (0.000000555)	ND (0.000000315)	ND (0.000000455)	
2,3,4,7,8-PECDF	UG/L	T				ND (0.000000534)	ND (0.00000149)	ND (0.000000844)	ND (0.000001)	ND (0.00000114)	ND (0.00000111)	ND (0.000000757)	
2,3,7,8-TCDD	UG/L	T				ND (0.000000605)	ND (0.00000108)	ND (0.00000101)	ND (0.000000584)	ND (0.00000113)	ND (0.000000656)	ND (0.000000893)	
2,3,7,8-TCDF	UG/L	T				ND (0.000000439)	ND (0.000000839)	ND (0.000000673)	ND (0.000000705)	ND (0.000000806)	ND (0.000000802)	ND (0.00000056)	
HPCDDS	UG/L	T											
HXCDDS	UG/L	T				0.00000129	ND (0.000000856)	ND (0.00000165)	ND (0.00000133)	0.00000144	0.0000014	ND (0.00000143)	
HXCDFS	UG/L	T				0.0000013	ND (0.000000605)	ND (0.000000485)	ND (0.000000494)	ND (0.000000593)	0.0000012	ND (0.00000048)	
OCDD	UG/L	T				0.000154	0.0000241	0.0000374	0.0000767	0.000153	0.000161	0.00017	
OCDF	UG/L	T				0.00000431 B	ND (0.00000195)	ND (0.00000227)	0.00000275	0.0000053	0.00000573	0.000011	
TCDDS	UG/L	T				0.0000106	0.00000236	0.00000366	0.00000728	0.0000125	0.0000112	0.00000873	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
			Human Health			Date	9/22/05	10/12/05	10/12/05	11/15/05	11/15/05	12/21/05	1/20/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	DUP	FS	DUP	FS	DUP	FS	DUP	FS	DUP			
TCDFS	UG/L	T					ND (0.000000439)	ND (0.000000839)	ND (0.000000673)	ND (0.000000705)	ND (0.000000806)	ND (0.000000802)	ND (0.00000056)
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL HXCDF	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T					ND (0.000000619)	ND (0.0000017)	ND (0.00000104)	ND (0.00000071)	ND (0.00000077)	ND (0.000000852)	ND (0.00000099)
TOTAL PECDF	UG/L	T											
TOTAL PECDFS	UG/L	T					0.00000183	ND (0.00000157)	ND (0.000000895)	ND (0.00000106)	ND (0.00000125)	ND (0.00000108)	ND (0.000000781)
PCB 1	UG/L	D											
PCB 1	UG/L	T											
PCB 10	UG/L	T											
PCB 103	UG/L	T											
PCB 105	UG/L	T					ND (0.00000759)	ND (0.0000117)	ND (0.00000535)	ND (0.00000745)	0.0000125	ND (0.000013)	ND (0.0000121)
PCB 109	UG/L	T											
PCB 11	UG/L	T											
PCB 110	UG/L	T											
PCB 114	UG/L	T					ND (0.00000868)	ND (0.0000122)	ND (0.00000561)	ND (0.00000776)	ND (0.00000868)	ND (0.0000133)	ND (0.0000133)
PCB 117	UG/L	T											
PCB 118	UG/L	T											
PCB 123	UG/L	T					ND (0.00000924)	ND (0.0000105)	ND (0.00000556)	ND (0.00000706)	ND (0.00000878)	ND (0.0000194)	ND (0.0000104)
PCB 130	UG/L	T											
PCB 131	UG/L	T											
PCB 132	UG/L	T											
PCB 133	UG/L	T											
PCB 134	UG/L	T											
PCB 136	UG/L	T											
PCB 137	UG/L	T											
PCB 141	UG/L	T											
PCB 144	UG/L	T											
PCB 146	UG/L	T											
PCB 148	UG/L	T											
PCB 15	UG/L	T											
PCB 150	UG/L	T											
PCB 154	UG/L	T											
PCB 156	UG/L	T					ND (0.00000269)	ND (0.00000208)	ND (0.00000341)	ND (0.00000431)	ND (0.00000502)	ND (0.0000047)	ND (0.00000368)
PCB 157	UG/L	T					ND (0.00000276)	ND (0.00000221)	ND (0.00000341)	ND (0.00000476)	ND (0.00000532)	ND (0.00000506)	ND (0.00000388)
PCB 158	UG/L	T											
PCB 159	UG/L	T											
PCB 16	UG/L	T											
PCB 160	UG/L	T											
PCB 162	UG/L	T											
PCB 164	UG/L	T											
PCB 167	UG/L	T					ND (0.00000266)	ND (0.00000245)	ND (0.00000341)	ND (0.00000424)	ND (0.00000519)	ND (0.00000459)	ND (0.00000396)
PCB 169	UG/L	T					ND (0.00000329)	0.00000346	0.00000446	ND (0.00000659)	ND (0.00000771)	ND (0.00000639)	ND (0.00000479)
PCB 17	UG/L	T											
PCB 170	UG/L	T											
PCB 172	UG/L	T											
PCB 174	UG/L	T											
PCB 175	UG/L	T											
PCB 176	UG/L	T											
PCB 177	UG/L	T											
PCB 178	UG/L	T											
PCB 179	UG/L	T											
PCB 183	UG/L	T											
PCB 185	UG/L	T											
PCB 187	UG/L	T											
PCB 189	UG/L	T					ND (0.00000207)	ND (0.00000217)	ND (0.00000174)	ND (0.00000181)	ND (0.0000027)	ND (0.00000261)	ND (0.00000205)
PCB 19	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
			Human Health			Date	9/22/05	10/12/05	10/12/05	11/15/05	11/15/05	12/21/05	1/20/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	DUP	FS	DUP	FS	FS	FS			
PCB 190	UG/L	T											
PCB 191	UG/L	T											
PCB 194	UG/L	T											
PCB 195	UG/L	T											
PCB 196	UG/L	T											
PCB 197	UG/L	T											
PCB 2	UG/L	T											
PCB 200	UG/L	T											
PCB 201	UG/L	T											
PCB 202	UG/L	T											
PCB 203	UG/L	T											
PCB 205	UG/L	T											
PCB 206	UG/L	T											
PCB 207	UG/L	T											
PCB 208	UG/L	T											
PCB 209	UG/L	T											
PCB 22	UG/L	T											
PCB 23	UG/L	T											
PCB 25	UG/L	T											
PCB 27	UG/L	T											
PCB 3	UG/L	T											
PCB 31	UG/L	T											
PCB 32	UG/L	T											
PCB 34	UG/L	T											
PCB 35	UG/L	T											
PCB 37	UG/L	T											
PCB 38	UG/L	T											
PCB 39	UG/L	T											
PCB 4	UG/L	D											
PCB 4	UG/L	T											
PCB 41	UG/L	T											
PCB 42	UG/L	T											
PCB 43	UG/L	T											
PCB 45	UG/L	T											
PCB 46	UG/L	T											
PCB 48	UG/L	T											
PCB 5	UG/L	T											
PCB 51	UG/L	T											
PCB 52	UG/L	T											
PCB 54	UG/L	T											
PCB 56	UG/L	T											
PCB 57	UG/L	T											
PCB 6	UG/L	T											
PCB 60	UG/L	T											
PCB 63	UG/L	T											
PCB 64	UG/L	T											
PCB 66	UG/L	T											
PCB 67	UG/L	T											
PCB 68	UG/L	T											
PCB 7	UG/L	T											
PCB 72	UG/L	T											
PCB 77	UG/L	T					0.00000357 B	ND (0.00000534)	ND (0.00000282)	ND (0.00000387)	0.00000988 B	ND (0.00000534)	ND (0.00000414)
PCB 8	UG/L	T											
PCB 82	UG/L	T											
PCB 83	UG/L	T											
PCB 84	UG/L	T											
PCB 88	UG/L	T											
PCB 9	UG/L	T											
PCB 91	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
			Human Health			Date	9/22/05	10/12/05	10/12/05	11/15/05	11/15/05	12/21/05	1/20/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	DUP	FS	DUP	FS	FS	FS			
PCB 92	UG/L	T											
PCB 95	UG/L	T											
PCB 96	UG/L	T											
PCB 99	UG/L	T											
PCB-106/118	UG/L	T				ND (0.0000901)	ND (0.0000101)	ND (0.0000544)	0.0000139	0.0000241	ND (0.0000179)	ND (0.0000105)	
PCB-107/124	UG/L	T											
PCB-108/119/86/97/125/87	UG/L	T											
PCB-113/90/101	UG/L	T											
PCB-116/85	UG/L	T											
PCB-128/166	UG/L	T											
PCB-13/12	UG/L	T											
PCB-139/140	UG/L	T											
PCB-147/149	UG/L	T											
PCB-151/135	UG/L	T											
PCB-153/168	UG/L	T											
PCB-156/157	UG/L	T											
PCB-163/138/129	UG/L	T											
PCB-171/173	UG/L	T											
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T											
PCB-198/199	UG/L	T											
PCB-21/33	UG/L	T											
PCB-26/29	UG/L	T											
PCB-28/20	UG/L	T											
PCB-30/18	UG/L	T											
PCB-44/47/65	UG/L	T											
PCB-50/53	UG/L	T											
PCB-59/62/75	UG/L	T											
PCB-61/70/74/76	UG/L	T											
PCB-69/49	UG/L	T											
PCB-71/40	UG/L	T											
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000519)	ND (0.000052)	ND (0.0000511)	ND (0.00005)	ND (0.0000494)	ND (0.0000527)	ND (0.0000503)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02	0.00000357 B	0.00000346 B	0.00000446 B	0.0000139 B	0.0000252 B		0.0000318 B	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	0.0000904	ND (0.0000263)	ND (0.0000252)	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	0.000162 B	ND (0.0000263)	0.0000318 B	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.000026)	ND (0.0000256)	ND (0.000025)	ND (0.0000247)	ND (0.0000263)	ND (0.0000252)	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06								
ALUMINUM	UG/L	T											
ANTIMONY	UG/L	D		1.58E+08	8.82E+05								
ANTIMONY	UG/L	T				ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06								
ARSENIC	UG/L	T				ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	17.5 J	ND (9.3)	
BARIUM	UG/L	D		7.90E+10	1.18E+05								
BARIUM	UG/L	T											
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04								
BERYLLIUM	UG/L	T											
CADMIUM	UG/L	D		1.98E+08	2.65E+04								
CADMIUM	UG/L	T											
CALCIUM	UG/L	D											
CALCIUM	UG/L	T											
CHROMIUM	UG/L	D			4.76E+06								
CHROMIUM	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03
			Human Health			Date	9/22/05	10/12/05	10/12/05	11/15/05	11/15/05	12/21/05	1/20/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	DUP	FS	DUP	FS	DUP	FS	DUP	FS	DUP	FS		
COBALT	UG/L	D		1.41E+08	6.76E+05								
COBALT	UG/L	T											
COPPER	UG/L	D		1.58E+10	2.68E+05								
COPPER	UG/L	T											
FERROUS IRON	UG/L	T											
IRON	UG/L	D		2.77E+11	2.94E+07								
IRON	UG/L	T									563000	523000	
LEAD	UG/L	D			4.71E+05								
LEAD	UG/L	T				ND (8.4)							
MAGNESIUM	UG/L	D											
MAGNESIUM	UG/L	T											
MANGANESE	UG/L	D		5.53E+10	3.38E+07								
MANGANESE	UG/L	T				8500	5560	6070	6620	6200	7590	6370	
MERCURY	UG/L	D		1.19E+08	3.53E+02								
MERCURY	UG/L	T											
NICKEL	UG/L	D		1.00E+10	3.59E+06								
NICKEL	UG/L	T											
POTASSIUM	UG/L	D											
POTASSIUM	UG/L	T											
SELENIUM	UG/L	D		1.98E+09	1.47E+05								
SELENIUM	UG/L	T											
SILVER	UG/L	D		2.21E+09	2.65E+05								
SILVER	UG/L	T											
SODIUM	UG/L	D											
SODIUM	UG/L	T											
THALLIUM	UG/L	D		3.95E+06	1.18E+06								
THALLIUM	UG/L	T				17.4 J	ND (10)	ND (10)	ND (10)	ND (10)	16.4 J	ND (10)	
TITANIUM	UG/L	D											
TITANIUM	UG/L	T											
VANADIUM	UG/L	D		2.77E+07	5.88E+05								
VANADIUM	UG/L	T											
ZINC	UG/L	D		1.33E+11	2.41E+06								
ZINC	UG/L	T											
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											
AMMONIA	UG/L	T		1.34E+13									
CHLORIDE	UG/L	T											
CYANIDE	UG/L	T		8.45E+09	1.53E+05								
FERRIC IRON	UG/L	T											
NITRATE	UG/L	T		6.32E+11									
NITRITE	UG/L	T		3.95E+10									
PHOSPHORUS	UG/L	T											
SILICA	UG/L	T											
SULFATE	UG/L	T											
SULFIDE	UG/L	T											
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T									1900 J	2600 B	
TOTAL SUSPENDED SOLIDS	UG/L	T									1160000	937000	
COLOR QUALITATIVE (FIELD)	NS	T				orangish brown		brown		brown	lt brn	brown	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				130		0		0	0	50	
ODOR (FIELD)	NS	T				none		none none			none	none	
OVABZONE	PPM	T				NR		NR NR			NR	NR	
OVACASING	PPM	T				NR		NR NR			NR	NR	
REDOX (FIELD)	MV	T						NR		NR NR			
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				0.00000145	ND (0.000000829)	ND (0.00000106)	ND (0.000000588)	ND (0.00000118)	0.00000104	ND (0.000000612)	
TOTAL HPCDDS	UG/L	T				0.00000577	ND (0.00000168)	0.00000127	0.00000024	0.00000328	0.00000965	ND (0.00000497)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	
			Human Health				2/16/06	3/22/06	4/12/06	5/17/06	5/17/06	5/15/07	8/20/07	11/11/08	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0	
							Bottom (ft)	0	0	0	0	0	0		
			Duplicate	FS	FS	FS	FS	FS	FS	FS					
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								ND (0.8)	ND (0.8)	ND (0.8)
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								ND (1)	ND (1)	ND (1)
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								ND (0.8)	ND (0.8)	ND (0.8)
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04								ND (1)	ND (1) R	ND (1)
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								ND (1)	ND (1) R	ND (1)
ACETONE	UG/L	T		4.08E+11	4.41E+07								ND (6)	ND (6)	ND (6)
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								ND (0.5)	ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								ND (1)	ND (1)	ND (1)
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								ND (0.8)	ND (0.8)	ND (0.8)
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								ND (0.8)	ND (0.8)	ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								ND (0.8)	ND (0.8)	ND (0.8)
ETHYL CHLORIDE	UG/L	T											ND (1)	ND (1)	ND (1)
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								ND (0.8)	ND (0.8)	ND (0.8)
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								ND (1)	ND (1)	ND (1)
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								ND (3)	ND (3)	ND (3)
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								ND (2)	ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								ND (0.8)	ND (0.8)	ND (0.8)
TOLUENE	UG/L	T		3.52E+09	5.88E+04								ND (0.7)	ND (0.7)	ND (0.7)
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								ND (0.8)	ND (0.8)	ND (0.8)
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								ND (1)	ND (1)	ND (1)
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								ND (1)	ND (1)	ND (1)
XYLENES	UG/L	T		5.98E+09	3.82E+05								ND (0.8)	ND (0.8)	ND (0.8)
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								ND (3)	ND (3)	ND (3)
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								ND (1)	ND (1) R	ND (1)
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									ND (1)	ND (1)	ND (1)
ACENAPHTHENE	UG/L	T		1.01E+09									ND (1)	ND (1) R	ND (0.5)
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								ND (1)	ND (1) R	ND (0.02)
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								ND (1)	ND (1) R	ND (0.01)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								ND (2)	ND (2) R	ND (2)
CARBAZOLE	UG/L	T		5.29E+08									ND (1)	ND (1) R	ND (1)
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								ND (1)	ND (1) R	ND (0.04)
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								ND (1)	ND (1) R	ND (1)
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								ND (2)	ND (2) R	ND (2) UJ
FLUORENE	UG/L	T		5.29E+08	8.82E+04								ND (1)	ND (1) R	ND (0.1)
HEXACHLOROETHYLENE	UG/L	T			8.82E+00	ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (1) UJ				ND (1)	ND (1) R	ND (1) UJ
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								ND (1)	ND (1) R	ND (1)
PHENANTHRENE	UG/L	T			1.18E+04								ND (1)	ND (1) R	ND (0.04)
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.00000133)	0.00000196	0.00000131	ND (0.00000267)				ND (0.00000219) UJ	ND (0.00000106) U	
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.000000932)	ND (0.0000022)	ND (0.00000402)	ND (0.00000193)				ND (0.00000451)	ND (0.00000539) U	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000109)	ND (0.00000666)	ND (0.00000018)	ND (0.00000198)				ND (0.00000678)	ND (0.00000871) U	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000187)	ND (0.00000132)	ND (0.00000294)	ND (0.00000218)				ND (0.00000922)	ND (0.0000077) U	
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.00000415)	ND (0.00000572)	ND (0.00000136)	ND (0.00000114)				ND (0.00000174)	ND (0.00000203) U	
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000186)	ND (0.00000135)	ND (0.00000301)	ND (0.00000233)				ND (0.00000933)	ND (0.00000844) U	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000425)	ND (0.00000564)	ND (0.00000012)	ND (0.00000994)				ND (0.00000168)	ND (0.00000215) U	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.0000018)	ND (0.00000129)	ND (0.00000301)	ND (0.00000228)				ND (0.00000965)	ND (0.00000822) U	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.00000698)	ND (0.00000892)	ND (0.00000191)	ND (0.00000166)				ND (0.00000253)	ND (0.00000359) U	
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000197)	ND (0.00000768)	ND (0.00000164)	ND (0.00000129)				ND (0.00000585)	ND (0.00000126) U	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000453)	ND (0.00000633)	ND (0.00000136)	ND (0.00000127)				ND (0.00000187)	ND (0.00000279) U	
2,3,4,7,8-PECDF	UG/L	T				ND (0.00000193)	ND (0.00000708)	ND (0.00000158)	ND (0.00000126)				ND (0.00000549)	ND (0.00000111) U	
2,3,7,8-TCDD	UG/L	T				ND (0.00000123)	ND (0.00000483)	ND (0.00000211)	ND (0.00000205)				ND (0.00000318)	ND (0.00000869) U	
2,3,7,8-TCDF	UG/L	T				ND (0.00000146)	ND (0.00000671)	ND (0.00000228)	ND (0.00000238)				ND (0.00000419)	ND (0.00000296) U	
HPCDDS	UG/L	T											0.00000249	ND (0.00000106) U	
HXCDDS	UG/L	T				ND (0.00000184)	0.000000798	0.000000632	ND (0.00000226)				ND (0.00000094)	ND (0.00000811) U	
HXCDFS	UG/L	T				ND (0.00000491)	ND (0.00000572)	ND (0.00000146)	ND (0.00000127)				ND (0.00000192)	ND (0.00000255) U	
OCDD	UG/L	T				0.0000505	0.000121	0.0000566 B	ND (0.00000235)				0.0000417 J	ND (0.00000353) U	
OCDF	UG/L	T				0.00000441	ND (0.00000521)	0.00000418 B	ND (0.00000423)				ND (0.00000403)	ND (0.00000291) U	
TCDDS	UG/L	T				0.00000207	0.00000777	0.00000447	ND (0.00000205)				0.00000352	0.0000023 J	

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03		
			Human Health				Duplicate	2/16/06	3/22/06	4/12/06	5/17/06	5/17/06	5/15/07	8/20/07	11/11/08
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.00000146)	ND (0.000000671)	ND (0.000000228)	ND (0.00000238)		ND (0.000000419)	ND (0.000000296) U			
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T				ND (0.00000233)	ND (0.000000567)	ND (0.000000217)	ND (0.00000194)		ND (0.000000546)	0.000000738 EMPC			
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T				ND (0.00000195)	ND (0.000000738)	ND (0.000000161)	ND (0.00000128)		ND (0.000000567)	ND (0.00000118) U			
PCB 1	UG/L	D											ND (0.00000208)		
PCB 1	UG/L	T									ND (0.00000302)	ND (0.00000097) U			
PCB 10	UG/L	T									ND (0.00000286)	ND (0.00000127) U			
PCB 103	UG/L	T									ND (0.00000278)	ND (0.00000094) U			
PCB 105	UG/L	T				ND (0.0000139)	0.0000711	ND (0.00000562)	ND (0.0000119)		0.00000439 B	0.00000264 U*			
PCB 109	UG/L	T									0.00000469 B	ND (0.000000741) U			
PCB 11	UG/L	T									0.000045 B	0.0000116 U*			
PCB 110	UG/L	T									0.0000163 B	0.00000675 U*			
PCB 114	UG/L	T				ND (0.0000158)	ND (0.0000104)	ND (0.00000488)	ND (0.0000124)		ND (0.00000293)	ND (0.000000998) U			
PCB 117	UG/L	T									ND (0.00000284)	ND (0.000000842) U			
PCB 118	UG/L	T									0.00000967 B	0.00000533 U*			
PCB 123	UG/L	T				ND (0.0000186)	ND (0.0000164)	ND (0.00000792)	ND (0.0000136)		ND (0.00000286)	ND (0.000000971) U			
PCB 130	UG/L	T									0.0000101 B	ND (0.00000112) U			
PCB 131	UG/L	T									ND (0.00000243)	ND (0.000000941) U			
PCB 132	UG/L	T									0.00000686 B	0.00000192 U*			
PCB 133	UG/L	T									0.00000386 B	ND (0.000000921) U			
PCB 134	UG/L	T									ND (0.0000032)	ND (0.00000127) U			
PCB 136	UG/L	T									ND (0.00000161)	ND (0.00000075) U			
PCB 137	UG/L	T									ND (0.00000217)	ND (0.000000818) U			
PCB 141	UG/L	T									ND (0.00000235)	ND (0.000000882) U			
PCB 144	UG/L	T									ND (0.00000261)	ND (0.000000966) U			
PCB 146	UG/L	T									0.0000181 B	ND (0.000000913) U			
PCB 148	UG/L	T									ND (0.00000245)	ND (0.000000948) U			
PCB 15	UG/L	T									ND (0.00000474)	ND (0.00000279) U			
PCB 150	UG/L	T									ND (0.00000145)	ND (0.000000674) U			
PCB 154	UG/L	T									ND (0.00000226)	ND (0.000000858) U			
PCB 156	UG/L	T				ND (0.0000058)	ND (0.000007)	ND (0.00000397)	ND (0.0000099)						
PCB 157	UG/L	T				ND (0.00000619)	ND (0.00000702)	ND (0.00000396)	ND (0.0000104)						
PCB 158	UG/L	T									ND (0.000002)	ND (0.000000723) U			
PCB 159	UG/L	T									ND (0.00000278)	ND (0.000000916) U			
PCB 16	UG/L	T									ND (0.00000952)	ND (0.00000198) U			
PCB 160	UG/L	T									ND (0.00000219)	ND (0.00000079) U			
PCB 162	UG/L	T									ND (0.00000248)	ND (0.000000841) U			
PCB 164	UG/L	T									ND (0.00000184)	ND (0.000000646) U			
PCB 167	UG/L	T				ND (0.00000578)	ND (0.0000077)	ND (0.00000467)	ND (0.0000105)		ND (0.00000265)	ND (0.000000881) U			
PCB 169	UG/L	T				ND (0.00000708)	ND (0.00000824)	ND (0.00000508)	ND (0.0000125)		ND (0.00000355)	ND (0.00000113) U			
PCB 17	UG/L	T									ND (0.00000679)	ND (0.0000014) U			
PCB 170	UG/L	T									ND (0.00000392)	ND (0.00000131) U			
PCB 172	UG/L	T									ND (0.00000383)	ND (0.00000124) U			
PCB 174	UG/L	T									ND (0.00000397)	ND (0.00000134) U			
PCB 175	UG/L	T									ND (0.00000387)	ND (0.00000129) U			
PCB 176	UG/L	T									ND (0.00000141)	ND (0.000000608) U			
PCB 177	UG/L	T									ND (0.00000417)	ND (0.00000144) U			
PCB 178	UG/L	T									ND (0.00000212)	ND (0.000000899) U			
PCB 179	UG/L	T									ND (0.00000179)	ND (0.000000758) U			
PCB 183	UG/L	T									ND (0.00000306)	ND (0.00000104) U			
PCB 185	UG/L	T									ND (0.0000033)	ND (0.00000106) U			
PCB 187	UG/L	T									ND (0.00000368)	ND (0.00000122) U			
PCB 189	UG/L	T				ND (0.00000287)	ND (0.00000174)	ND (0.00000207)	ND (0.00000383)		ND (0.000003)	ND (0.00000099) U			
PCB 19	UG/L	T									ND (0.00000763)	ND (0.0000016) U			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	
			Human Health			Date	2/16/06	3/22/06	4/12/06	5/17/06	5/17/06	5/15/07	8/20/07	11/11/08
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0		
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T										ND (0.0000034)	ND (0.0000011) U	
PCB 191	UG/L	T										ND (0.00000336)	ND (0.00000111) U	
PCB 194	UG/L	T										ND (0.00000348)	ND (0.00000121) U	
PCB 195	UG/L	T										ND (0.00000344)	ND (0.00000126) U	
PCB 196	UG/L	T										ND (0.00000215)	ND (0.00000106) U	
PCB 197	UG/L	T										ND (0.00000152)	ND (0.000000755) U	
PCB 2	UG/L	T										ND (0.00000226)	ND (0.00000116) U	
PCB 200	UG/L	T										ND (0.00000196)	ND (0.000000908) U	
PCB 201	UG/L	T										ND (0.0000018)	ND (0.000000875) U	
PCB 202	UG/L	T										ND (0.00000169)	ND (0.000000908) U	
PCB 203	UG/L	T										ND (0.00000232)	ND (0.00000113) U	
PCB 205	UG/L	T										ND (0.00000302)	ND (0.000000973) U	
PCB 206	UG/L	T										ND (0.00000456)	ND (0.00000344) U	
PCB 207	UG/L	T										ND (0.00000295)	ND (0.00000238) U	
PCB 208	UG/L	T										ND (0.00000319)	ND (0.00000251) U	
PCB 209	UG/L	T										ND (0.00000321)	ND (0.000000999) U	
PCB 22	UG/L	T										ND (0.00000886)	ND (0.00000134) U	
PCB 23	UG/L	T										ND (0.00000846)	ND (0.00000133) U	
PCB 25	UG/L	T										ND (0.000008)	ND (0.00000123) U	
PCB 27	UG/L	T										ND (0.00000591)	ND (0.0000012) U	
PCB 3	UG/L	T										ND (0.00000243)	ND (0.00000111) U	
PCB 31	UG/L	T										ND (0.00000744)	ND (0.00000112) U	
PCB 32	UG/L	T										ND (0.00000479)	ND (0.000000989) U	
PCB 34	UG/L	T										ND (0.00000913)	ND (0.00000138) U	
PCB 35	UG/L	T										ND (0.00000961)	ND (0.00000146) U	
PCB 37	UG/L	T										ND (0.0000107)	ND (0.00000143) U	
PCB 38	UG/L	T										ND (0.00000852)	ND (0.00000128) U	
PCB 39	UG/L	T										ND (0.00000853)	ND (0.00000126) U	
PCB 4	UG/L	D											ND (0.00000439)	
PCB 4	UG/L	T										ND (0.00000478)	ND (0.00000246) U	
PCB 41	UG/L	T										ND (0.00000371)	ND (0.00000108) U	
PCB 42	UG/L	T										ND (0.00000379)	ND (0.0000012) U	
PCB 43	UG/L	T										ND (0.0000043)	ND (0.00000137) U	
PCB 45	UG/L	T										ND (0.00000296)	ND (0.000000995) U	
PCB 46	UG/L	T										ND (0.00000345)	ND (0.00000107) U	
PCB 48	UG/L	T										ND (0.00000302)	ND (0.000000919) U	
PCB 5	UG/L	T										ND (0.00000389)	ND (0.00000246) U	
PCB 51	UG/L	T										ND (0.00000321)	ND (0.000000965) U	
PCB 52	UG/L	T										0.0000124 B	0.0000087 U*	
PCB 54	UG/L	T										ND (0.00000151)	ND (0.000000678) U	
PCB 56	UG/L	T										ND (0.00000294)	ND (0.00000125) U	
PCB 57	UG/L	T										ND (0.00000265)	ND (0.00000109) U	
PCB 6	UG/L	T										ND (0.00000426)	ND (0.00000259) U	
PCB 60	UG/L	T										ND (0.00000259)	ND (0.00000108) U	
PCB 63	UG/L	T										ND (0.00000232)	ND (0.000000938) U	
PCB 64	UG/L	T										0.00000273 B	ND (0.000000629) U	
PCB 66	UG/L	T										ND (0.00000296)	ND (0.00000118) U	
PCB 67	UG/L	T										ND (0.00000271)	ND (0.00000113) U	
PCB 68	UG/L	T										ND (0.00000257)	ND (0.00000109) U	
PCB 7	UG/L	T										ND (0.00000368)	ND (0.00000237) U	
PCB 72	UG/L	T										ND (0.00000266)	ND (0.00000112) U	
PCB 77	UG/L	T					ND (0.00000591)	0.0000437	ND (0.00000671)	ND (0.0000107)		ND (0.00000352)	ND (0.00000127) U	
PCB 8	UG/L	T										0.00000768 B	ND (0.00000263) U	
PCB 82	UG/L	T										ND (0.00000427)	ND (0.00000143) U	
PCB 83	UG/L	T										ND (0.00000384)	ND (0.00000121) U	
PCB 84	UG/L	T										ND (0.00000348)	ND (0.00000119) U	
PCB 88	UG/L	T										ND (0.00000362)	ND (0.00000127) U	
PCB 9	UG/L	T										ND (0.00000406)	ND (0.00000261) U	
PCB 91	UG/L	T										ND (0.00000273)	ND (0.000000896) U	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	
			Human Health				Ecological (DF=29,412)	2/16/06	3/22/06	4/12/06	5/17/06	5/17/06	5/15/07	8/20/07	11/11/08
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
PCB 92	UG/L	T											ND (0.0000376)	ND (0.0000127) U	
PCB 95	UG/L	T											0.0000715 B	0.0000535 U*	
PCB 96	UG/L	T											ND (0.0000165)	ND (0.00000631) U	
PCB 99	UG/L	T											ND (0.0000317)	0.0000303 U*	
PCB-106/118	UG/L	T				ND (0.0000199)	0.000117 B	ND (0.00000693)	ND (0.0000135)						
PCB-107/124	UG/L	T											ND (0.0000287)	ND (0.00000929) U	
PCB-108/119/86/97/125/87	UG/L	T											ND (0.0000302)	0.0000436 U*	
PCB-113/90/101	UG/L	T											0.000013 B	0.00000848 U*	
PCB-116/85	UG/L	T											ND (0.0000294)	ND (0.0000102) U	
PCB-128/166	UG/L	T											ND (0.0000285)	ND (0.00000984) U	
PCB-13/12	UG/L	T											ND (0.0000425)	ND (0.0000267) U	
PCB-139/140	UG/L	T											ND (0.0000229)	ND (0.00000885) U	
PCB-147/149	UG/L	T											0.0000115 B	0.00000389 U*	
PCB-151/135	UG/L	T											0.00000953 B	ND (0.00000941) U	
PCB-153/168	UG/L	T											0.0000135 B	0.00000391 U*	
PCB-156/157	UG/L	T											ND (0.0000037)	ND (0.0000012) U	
PCB-163/138/129	UG/L	T											0.0000131 B	0.00000483 U*	
PCB-171/173	UG/L	T											ND (0.00000397)	ND (0.00000134) U	
PCB-180/193	UG/L	D												ND (0.0000015)	
PCB-180/193	UG/L	T											ND (0.00000322)	ND (0.00000105) U	
PCB-198/199	UG/L	T											ND (0.00000263)	ND (0.00000129) U	
PCB-21/33	UG/L	T											ND (0.00000744)	ND (0.00000116) U	
PCB-26/29	UG/L	T											ND (0.00000818)	ND (0.00000125) U	
PCB-28/20	UG/L	T											ND (0.0000086)	0.00000222 J	
PCB-30/18	UG/L	T											ND (0.00000668)	0.00000265 J	
PCB-44/47/65	UG/L	T											0.00000965 B	0.0000041 U*	
PCB-50/53	UG/L	T											ND (0.000003)	ND (0.000000945) U	
PCB-59/62/75	UG/L	T											ND (0.00000236)	ND (0.00000719) U	
PCB-61/70/74/76	UG/L	T											0.0000101 B	0.00000507 U*	
PCB-69/49	UG/L	T											0.00000389 B	0.00000242 U*	
PCB-71/40	UG/L	T											ND (0.00000319)	ND (0.00000101) U	
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	ND (0.0000262)		ND (0.0000525)						
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000504)	ND (0.0000521)		ND (0.000105)				0.0000527 B	0.0000116 U*	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												ND (0.00000183)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	ND (0.0000262)		ND (0.0000525)				ND (0.00000304)	ND (0.00000105) U	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	0.0000326		ND (0.0000525)				0.0000581 B	0.0000145 U*	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	ND (0.0000262)		ND (0.0000525)				ND (0.00000272)	ND (0.00000104) U	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	ND (0.0000262)		ND (0.0000525)				ND (0.00000388)	ND (0.00000298) U	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	ND (0.0000262)		ND (0.0000525)				ND (0.00000236)	ND (0.000000941) U	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02		0.0033 B								
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	0.000578 B		ND (0.0000525)				0.0000508 B	0.0000359 U*	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	0.00194 B		ND (0.0000525)				0.000036 B	0.0000203 U*	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000252)	0.000749 B		ND (0.0000525)				ND (0.00000916)	0.00000487 J	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06								ND (80.2)	ND (80.2)	
ALUMINUM	UG/L	T											2130	242 B	
ANTIMONY	UG/L	D		1.58E+08	8.82E+05								ND (9.7)	ND (9.7)	
ANTIMONY	UG/L	T				ND (6.4)	ND (32)	ND (6.4)	ND (64)				ND (9.7)	ND (9.7)	
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06								ND (0.67)	ND (0.7)	
ARSENIC	UG/L	T				ND (9.3)	ND (46.5)	ND (9.3)	ND (93)				ND (0.67)	ND (0.7)	
BARIUM	UG/L	D		7.90E+10	1.18E+05								604	612	
BARIUM	UG/L	T											779	640	
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04								ND (0.94)	ND (0.9)	
BERYLLIUM	UG/L	T											ND (0.94)	ND (0.9)	
CADMIUM	UG/L	D		1.98E+08	2.65E+04								ND (4.6)	8.8 J	
CADMIUM	UG/L	T											ND (4.6)	6.6 J	
CALCIUM	UG/L	D											488000	503000	
CALCIUM	UG/L	T											478000	510000	
CHROMIUM	UG/L	D			4.76E+06								3 B	7 J	
CHROMIUM	UG/L	T											10.5 B	10.4 J	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03	MW-03		
			Human Health				Duplicate	2/16/06	3/22/06	4/12/06	5/17/06	5/17/06	5/15/07	8/20/07	11/11/08
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
COBALT	UG/L	D		1.41E+08	6.76E+05							48.4	48	54.9	
COBALT	UG/L	T										50.8	49.3	58.8	
COPPER	UG/L	D		1.58E+10	2.68E+05							ND (2.2)	ND (11)	ND (13.5)	
COPPER	UG/L	T										463	18.6 B	1350	
FERROUS IRON	UG/L	T										734000 J	694000 J	831000	
IRON	UG/L	D		2.77E+11	2.94E+07							693000	729000	784000	
IRON	UG/L	T				543000	615000 J	550000 J	589000 J			723000	765000	782000	
LEAD	UG/L	D			4.71E+05							0.13 B	0.049 B	ND (0.05)	
LEAD	UG/L	T										2.4	0.39 B	2.3	
MAGNESIUM	UG/L	D										146000	147000	174000	
MAGNESIUM	UG/L	T										143000	149000	172000	
MANGANESE	UG/L	D		5.53E+10	3.38E+07							11100	11900	16000	
MANGANESE	UG/L	T				6660	9690	7650	8310			11300	12100	16200	
MERCURY	UG/L	D		1.19E+08	3.53E+02							0.06 J	ND (0.056)	ND (0.28)	
MERCURY	UG/L	T										1.2 J	ND (0.056)	ND (1.1)	
NICKEL	UG/L	D		1.00E+10	3.59E+06							8.9 J	7.5 J	9.4 J	
NICKEL	UG/L	T										13.8	8.7 J	13.3	
POTASSIUM	UG/L	D										9620	9050	10100	
POTASSIUM	UG/L	T										9520	9230	9920	
SELENIUM	UG/L	D		1.98E+09	1.47E+05							12.7 J	47.4	66	
SELENIUM	UG/L	T										14 J	42.8	68	
SILVER	UG/L	D		2.21E+09	2.65E+05							5.4	4.2 J	5.5	
SILVER	UG/L	T										5.6	5	6.2	
SODIUM	UG/L	D										254000	221000	337000	
SODIUM	UG/L	T										265000	235000	333000	
THALLIUM	UG/L	D		3.95E+06	1.18E+06							ND (0.037)	ND (0.037)	ND (0.15)	
THALLIUM	UG/L	T				ND (10)	ND (50)	ND (50)	ND (100)			0.13 J	ND (0.037)	0.21 J	
TITANIUM	UG/L	D										ND (2.8)	ND (2.8)	ND (3.8)	
TITANIUM	UG/L	T										79.3	9.3 B	20.6	
VANADIUM	UG/L	D		2.77E+07	5.88E+05							22.3	68.1	19.8	
VANADIUM	UG/L	T										44.2	74.2	29.9	
ZINC	UG/L	D		1.33E+11	2.41E+06							21.6	ND (8.1)	ND (40.5)	
ZINC	UG/L	T										184	ND (8.1)	45.1	
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T										75800 J	64300	23900	
AMMONIA	UG/L	T		1.34E+13								11800	11200	11500	
CHLORIDE	UG/L	T										2350000	3160000	3430000	
CYANIDE	UG/L	T		8.45E+09	1.53E+05							ND (5) UJ	ND (5) UJ	ND (5)	
FERRIC IRON	UG/L	T										ND (8000)	71300 J	ND (40000)	
NITRATE	UG/L	T		6.32E+11								ND (40)	ND (2000)	ND (40)	
NITRITE	UG/L	T		3.95E+10								230 J	190 J	230	
PHOSPHORUS	UG/L	T										ND (250)	ND (250)	ND (250)	
SILICA	UG/L	T										23700	23800	21100	
SULFATE	UG/L	T										84300	86600	95900 J	
SULFIDE	UG/L	T										ND (54)	ND (54)	ND (54)	
TOTAL DISSOLVED SOLIDS	UG/L	T				3160000 J	3630000 J	3370000	3530000						
TOTAL HARDNESS AS CaCO3	UG/L	T												2380000	
TOTAL ORGANIC CARBON	UG/L	T				2000 B	1700 J	2000	1800 J			1500 J	1300 J	1400	
TOTAL SUSPENDED SOLIDS	UG/L	T				192000	827000	338000	154000			253000	108000	183000	
COLOR QUALITATIVE (FIELD)	NS	T				tan	brown	brown		orange	Brown	tan		Grey	
DEPTH TO WATER FROM TOC	Feet	T													
DISSOLVED OXYGEN (FIELD)	UG/L	T				0	520	330		0	200	210		580	
ODOR (FIELD)	NS	T				none	yes	none		none	No	no		No	
OVABZONE	PPM	T				NR	NR NR			NR	NR				
OVACASING	PPM	T				NR	NR NR			NR	NR				
REDOX (FIELD)	MV	T													
TOTAL WELL DEPTH	Feet	T													
TURBIDITY QUANTITATIVE (FIELD)	NTU	T													
HPCDFS	UG/L	T				ND (0.000001)	ND (0.00000226)	0.00000402 B	ND (0.0000196)			ND (0.00000554)	ND (0.00000683) U		
TOTAL HPCDDS	UG/L	T				ND (0.0000133)	0.0000196	0.00000298 B	ND (0.0000267)						

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health			Date	6/13/05	7/21/05	8/23/05	9/21/05	10/12/05	11/15/05	12/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04								
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								
ACETONE	UG/L	T		4.08E+11	4.41E+07								
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								
ETHYL CHLORIDE	UG/L	T											
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								
TOLUENE	UG/L	T		3.52E+09	5.88E+04								
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								
XYLENES	UG/L	T		5.98E+09	3.82E+05								
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									
ACENAPHTHENE	UG/L	T		1.01E+09									
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								
CARBAZOLE	UG/L	T		5.29E+08									
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								
FLUORENE	UG/L	T		5.29E+08	8.82E+04								
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								
PHENANTHRENE	UG/L	T			1.18E+04								
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.00000195)	ND (0.00000127)	ND (0.000000873)	ND (0.000000689)	ND (0.00000327)	ND (0.00000324)	0.00000812	
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.00000188)	ND (0.000000711)	ND (0.000000448)	ND (0.000000219)	ND (0.000000706)	ND (0.000000706)	0.00000216	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000108)	ND (0.000000784)	ND (0.000000702)	ND (0.000000248)	ND (0.00000074)	ND (0.000000796)	ND (0.000000997)	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000166)	ND (0.00000126)	ND (0.00000104)	ND (0.00000061)	ND (0.00000154)	ND (0.00000129)	ND (0.000000914)	
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.000000646)	ND (0.00000043)	ND (0.000000285)	ND (0.000000148)	ND (0.000000477)	ND (0.000000356)	ND (0.000000241)	
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000177)	ND (0.00000128)	ND (0.00000101)	ND (0.000000652)	ND (0.00000153)	ND (0.00000133)	ND (0.000000969)	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000614)	ND (0.000000409)	ND (0.000000254)	ND (0.000000146)	ND (0.000000413)	ND (0.00000034)	ND (0.000000248)	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000172)	ND (0.0000012)	ND (0.00000101)	ND (0.000000597)	ND (0.00000145)	ND (0.00000124)	ND (0.000000921)	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.000000992)	ND (0.000000833)	ND (0.000000397)	ND (0.000000239)	ND (0.000000765)	ND (0.000000539)	ND (0.000000447)	
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000165)	ND (0.00000133)	ND (0.000000612)	ND (0.000000591)	ND (0.000000789)	ND (0.00000128)	ND (0.00000121)	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000678)	ND (0.000000513)	ND (0.000000269)	ND (0.000000155)	ND (0.000000485)	ND (0.000000375)	ND (0.000000283)	
2,3,4,7,8-PECDF	UG/L	T				ND (0.00000135)	ND (0.00000115)	ND (0.000000568)	ND (0.000000512)	ND (0.000000709)	ND (0.00000108)	ND (0.00000103)	
2,3,7,8-TCDD	UG/L	T				ND (0.000000876)	ND (0.000000757)	ND (0.000000525)	ND (0.000000511)	ND (0.000000946)	ND (0.000000511)	ND (0.000000634)	
2,3,7,8-TCDF	UG/L	T				ND (0.000000946)	ND (0.000000818)	ND (0.000000432)	ND (0.000000333)	ND (0.000000799)	ND (0.00000083)	ND (0.000000626)	
HPCDDS	UG/L	T											
HXCDDS	UG/L	T				ND (0.00000172)	ND (0.00000125)	ND (0.00000102)	ND (0.00000062)	ND (0.00000151)	ND (0.00000128)	ND (0.000000936)	
HXCDFS	UG/L	T				ND (0.00000072)	ND (0.000000527)	ND (0.000000296)	ND (0.000000169)	ND (0.000000516)	ND (0.000000395)	ND (0.00000177)	
OCDD	UG/L	T				0.0000138	ND (0.00000334)	ND (0.00000691)	0.0000399	0.0000567	0.0000607	0.0000888	
OCDF	UG/L	T				ND (0.00000378)	ND (0.00000141)	ND (0.00000275)	ND (0.00000104)	ND (0.00000245)	ND (0.00000295)	0.00000697	
TCDDS	UG/L	T				ND (0.000000876)	ND (0.000000757)	ND (0.000000525)	ND (0.000000511)	ND (0.000000946)	ND (0.000000511)	ND (0.000000634)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04		
			Human Health				Duplicate	6/13/05	7/21/05	8/23/05	9/21/05	10/12/05	11/15/05	12/21/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.00000318)	ND (0.000000818)	ND (0.000000432)	ND (0.000000333)	ND (0.000000799)	ND (0.00000083)	ND (0.000000626)			
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T				ND (0.000000837)	ND (0.000000681)	ND (0.000000542)	ND (0.000000484)	ND (0.000000976)	ND (0.000000855)	ND (0.000000735)			
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T				ND (0.00000149)	ND (0.00000123)	ND (0.000000589)	ND (0.00000055)	ND (0.000000747)	ND (0.00000118)	ND (0.00000112)			
PCB 1	UG/L	D													
PCB 1	UG/L	T													
PCB 10	UG/L	T													
PCB 103	UG/L	T													
PCB 105	UG/L	T				ND (0.0000487)	0.0000103	ND (0.0000107)	ND (0.0000106)	ND (0.000012)	ND (0.00000822)	ND (0.0000166)			
PCB 109	UG/L	T													
PCB 11	UG/L	T													
PCB 110	UG/L	T													
PCB 114	UG/L	T				ND (0.0000487)	ND (0.00000827)	ND (0.0000121)	ND (0.0000123)	ND (0.0000141)	ND (0.00000822)	ND (0.0000175)			
PCB 117	UG/L	T													
PCB 118	UG/L	T													
PCB 123	UG/L	T				ND (0.0000487)	ND (0.00000745)	ND (0.0000128)	ND (0.0000161)	ND (0.0000107)	ND (0.0000144)	ND (0.0000131)			
PCB 130	UG/L	T													
PCB 131	UG/L	T													
PCB 132	UG/L	T													
PCB 133	UG/L	T													
PCB 134	UG/L	T													
PCB 136	UG/L	T													
PCB 137	UG/L	T													
PCB 141	UG/L	T													
PCB 144	UG/L	T													
PCB 146	UG/L	T													
PCB 148	UG/L	T													
PCB 15	UG/L	T													
PCB 150	UG/L	T													
PCB 154	UG/L	T													
PCB 156	UG/L	T				ND (0.0000487)	ND (0.00000197)	ND (0.00000217)	ND (0.00000236)	ND (0.00000265)	ND (0.00000402)	ND (0.00000626)			
PCB 157	UG/L	T				ND (0.0000487)	ND (0.00000208)	ND (0.00000218)	ND (0.00000239)	ND (0.0000028)	ND (0.00000428)	ND (0.00000675)			
PCB 158	UG/L	T													
PCB 159	UG/L	T													
PCB 16	UG/L	T													
PCB 160	UG/L	T													
PCB 162	UG/L	T													
PCB 164	UG/L	T													
PCB 167	UG/L	T				ND (0.0000487)	ND (0.00000198)	ND (0.00000209)	ND (0.00000225)	ND (0.00000266)	ND (0.00000407)	ND (0.00000651)			
PCB 169	UG/L	T				ND (0.0000487)	0.00000363 B	0.00000345 B	0.00000277 B	0.00000453	ND (0.00000567)	ND (0.0000107)			
PCB 17	UG/L	T													
PCB 170	UG/L	T													
PCB 172	UG/L	T													
PCB 174	UG/L	T													
PCB 175	UG/L	T													
PCB 176	UG/L	T													
PCB 177	UG/L	T													
PCB 178	UG/L	T													
PCB 179	UG/L	T													
PCB 183	UG/L	T													
PCB 185	UG/L	T													
PCB 187	UG/L	T													
PCB 189	UG/L	T				ND (0.0000487)	ND (0.00000151)	ND (0.00000154)	ND (0.00000141)	ND (0.00000259)	ND (0.00000157)	ND (0.00000409)			
PCB 19	UG/L	T													

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health			Date	6/13/05	7/21/05	8/23/05	9/21/05	10/12/05	11/15/05	12/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T											
PCB 191	UG/L	T											
PCB 194	UG/L	T											
PCB 195	UG/L	T											
PCB 196	UG/L	T											
PCB 197	UG/L	T											
PCB 2	UG/L	T											
PCB 200	UG/L	T											
PCB 201	UG/L	T											
PCB 202	UG/L	T											
PCB 203	UG/L	T											
PCB 205	UG/L	T											
PCB 206	UG/L	T											
PCB 207	UG/L	T											
PCB 208	UG/L	T											
PCB 209	UG/L	T											
PCB 22	UG/L	T											
PCB 23	UG/L	T											
PCB 25	UG/L	T											
PCB 27	UG/L	T											
PCB 3	UG/L	T											
PCB 31	UG/L	T											
PCB 32	UG/L	T											
PCB 34	UG/L	T											
PCB 35	UG/L	T											
PCB 37	UG/L	T											
PCB 38	UG/L	T											
PCB 39	UG/L	T											
PCB 4	UG/L	D											
PCB 4	UG/L	T											
PCB 41	UG/L	T											
PCB 42	UG/L	T											
PCB 43	UG/L	T											
PCB 45	UG/L	T											
PCB 46	UG/L	T											
PCB 48	UG/L	T											
PCB 5	UG/L	T											
PCB 51	UG/L	T											
PCB 52	UG/L	T											
PCB 54	UG/L	T											
PCB 56	UG/L	T											
PCB 57	UG/L	T											
PCB 6	UG/L	T											
PCB 60	UG/L	T											
PCB 63	UG/L	T											
PCB 64	UG/L	T											
PCB 66	UG/L	T											
PCB 67	UG/L	T											
PCB 68	UG/L	T											
PCB 7	UG/L	T											
PCB 72	UG/L	T											
PCB 77	UG/L	T					ND (0.0000487)	0.00000678	ND (0.0000017)	ND (0.00000225)	0.00000331	ND (0.00000416)	ND (0.00000957)
PCB 8	UG/L	T											
PCB 82	UG/L	T											
PCB 83	UG/L	T											
PCB 84	UG/L	T											
PCB 88	UG/L	T											
PCB 9	UG/L	T											
PCB 91	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health			Date	6/13/05	7/21/05	8/23/05	9/21/05	10/12/05	11/15/05	12/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T											
PCB 95	UG/L	T											
PCB 96	UG/L	T											
PCB 99	UG/L	T											
PCB-106/118	UG/L	T				ND (0.0000487)	0.0000123	ND (0.0000135)	ND (0.0000169)	ND (0.0000111)	ND (0.0000145)	ND (0.0000132)	
PCB-107/124	UG/L	T											
PCB-108/119/86/97/125/87	UG/L	T											
PCB-113/90/101	UG/L	T											
PCB-116/85	UG/L	T											
PCB-128/166	UG/L	T											
PCB-13/12	UG/L	T											
PCB-139/140	UG/L	T											
PCB-147/149	UG/L	T											
PCB-151/135	UG/L	T											
PCB-153/168	UG/L	T											
PCB-156/157	UG/L	T											
PCB-163/138/129	UG/L	T											
PCB-171/173	UG/L	T											
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T											
PCB-198/199	UG/L	T											
PCB-21/33	UG/L	T											
PCB-26/29	UG/L	T											
PCB-28/20	UG/L	T											
PCB-30/18	UG/L	T											
PCB-44/47/65	UG/L	T											
PCB-50/53	UG/L	T											
PCB-59/62/75	UG/L	T											
PCB-61/70/74/76	UG/L	T											
PCB-69/49	UG/L	T											
PCB-71/40	UG/L	T											
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000499)	ND (0.0000492)	ND (0.0000529)	ND (0.0000496)	ND (0.0000556)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000257)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02	0.00177	0.000489	0.00000345 B	0.00000304 B	0.00000784 B			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000487)	ND (0.0000514)	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00107	0.00033	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000668	0.000133	ND (0.0000249)	ND (0.0000246)	ND (0.0000265)	ND (0.0000248)	ND (0.0000278)	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06								
ALUMINUM	UG/L	T											
ANTIMONY	UG/L	D		1.58E+08	8.82E+05								
ANTIMONY	UG/L	T				ND (6.4)	ND (6.4) UJ	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06								
ARSENIC	UG/L	T				ND (9.3)	ND (9.3) UJ	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	
BARIUM	UG/L	D		7.90E+10	1.18E+05								
BARIUM	UG/L	T											
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04								
BERYLLIUM	UG/L	T											
CADMIUM	UG/L	D		1.98E+08	2.65E+04								
CADMIUM	UG/L	T											
CALCIUM	UG/L	D											
CALCIUM	UG/L	T											
CHROMIUM	UG/L	D			4.76E+06								
CHROMIUM	UG/L	T											

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health				6/13/05	7/21/05	8/23/05	9/21/05	10/12/05	11/15/05	12/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	FS
COBALT	UG/L	D		1.41E+08	6.76E+05								
COBALT	UG/L	T											
COPPER	UG/L	D		1.58E+10	2.68E+05								
COPPER	UG/L	T											
FERROUS IRON	UG/L	T											
IRON	UG/L	D		2.77E+11	2.94E+07								
IRON	UG/L	T											112000
LEAD	UG/L	D			4.71E+05								
LEAD	UG/L	T				ND (8.4)			ND (8.4)				
MAGNESIUM	UG/L	D											
MAGNESIUM	UG/L	T											
MANGANESE	UG/L	D		5.53E+10	3.38E+07								
MANGANESE	UG/L	T				1260	1290	1340	1330	1310	1360	1360	
MERCURY	UG/L	D		1.19E+08	3.53E+02								
MERCURY	UG/L	T											
NICKEL	UG/L	D		1.00E+10	3.59E+06								
NICKEL	UG/L	T											
POTASSIUM	UG/L	D											
POTASSIUM	UG/L	T											
SELENIUM	UG/L	D		1.98E+09	1.47E+05								
SELENIUM	UG/L	T											
SILVER	UG/L	D		2.21E+09	2.65E+05								
SILVER	UG/L	T											
SODIUM	UG/L	D											
SODIUM	UG/L	T											
THALLIUM	UG/L	D		3.95E+06	1.18E+06								
THALLIUM	UG/L	T				ND (10)	ND (10) UJ	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
TITANIUM	UG/L	D											
TITANIUM	UG/L	T											
VANADIUM	UG/L	D		2.77E+07	5.88E+05								
VANADIUM	UG/L	T											
ZINC	UG/L	D		1.33E+11	2.41E+06								
ZINC	UG/L	T											
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											
AMMONIA	UG/L	T		1.34E+13									
CHLORIDE	UG/L	T											
CYANIDE	UG/L	T		8.45E+09	1.53E+05								
FERRIC IRON	UG/L	T											
NITRATE	UG/L	T		6.32E+11									
NITRITE	UG/L	T		3.95E+10									
PHOSPHORUS	UG/L	T											
SILICA	UG/L	T											
SULFATE	UG/L	T											
SULFIDE	UG/L	T											
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T											2000
TOTAL SUSPENDED SOLIDS	UG/L	T											49600
COLOR QUALITATIVE (FIELD)	NS	T				clear	clear lt	brn	gray	clear	light brown	lt brn	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				470	260	650	0	130	1600	4280	
ODOR (FIELD)	NS	T				slight	none	none Yes		none	yes	none	
OVABZONE	PPM	T				NR	NR		NR	NR NR NR			
OVACASING	PPM	T				NR	NR		NR	NR NR NR			
REDOX (FIELD)	MV	T					N/A	NR		NR	NR		
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T				low							
HPCDFS	UG/L	T				ND (0.0000021)	ND (0.00000743)	ND (0.00000563)	ND (0.00000232)	ND (0.0000072)	ND (0.00000745)	0.0000759	
TOTAL HPCDDS	UG/L	T				ND (0.0000195)	ND (0.0000127)	ND (0.00000873)	ND (0.00000689)	ND (0.00000327)	ND (0.00000324)	0.0000161	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health			Date	1/20/06	2/15/06	3/22/06	4/12/06	5/17/06	5/15/07	8/21/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05							ND (0.8)	ND (0.8)
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06							ND (1)	ND (1)
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05							ND (0.8)	ND (0.8)
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04							ND (1)	ND (1)
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05							ND (1)	ND (1)
ACETONE	UG/L	T		4.08E+11	4.41E+07							ND (6)	ND (6)
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07							ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04							ND (1)	ND (1)
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04							ND (0.8)	ND (0.8)
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04							ND (0.8)	ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05							ND (0.8)	ND (0.8)
ETHYL CHLORIDE	UG/L	T										ND (1)	ND (1)
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06							ND (0.8)	ND (0.8)
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06							ND (1)	ND (1)
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08							ND (3)	ND (3)
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06							ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06							ND (0.8)	ND (0.8)
TOLUENE	UG/L	T		3.52E+09	5.88E+04							ND (0.7)	ND (0.7)
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05							ND (0.8)	ND (0.8)
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05							ND (1)	ND (1)
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07							ND (1)	ND (1)
XYLENES	UG/L	T		5.98E+09	3.82E+05							ND (0.8)	ND (0.8)
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07							ND (3) R	ND (3)
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05							ND (1)	ND (1)
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09								ND (1) R	ND (1)
ACENAPHTHENE	UG/L	T		1.01E+09								ND (1)	ND (1)
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02							ND (1)	ND (1)
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02							ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05							ND (2)	ND (2)
CARBAZOLE	UG/L	T		5.29E+08								ND (1)	ND (1)
CHRYSENE	UG/L	T	9.83E+01		1.18E+02							ND (1)	ND (1)
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05							ND (1)	ND (1)
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05							ND (2)	ND (2)
FLUORENE	UG/L	T		5.29E+08	8.82E+04							ND (1)	ND (1)
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04							ND (1)	ND (1)
PHENANTHRENE	UG/L	T			1.18E+04							ND (1)	ND (1)
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.00000196	ND (0.00000157)	ND (0.00000203)	0.000000821	ND (0.00000275)	ND (0.00000866)	ND (0.00000099) U	
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.000000651)	ND (0.00000146)	ND (0.00000053)	ND (0.000000199)	ND (0.00000158)	ND (0.000000634)	ND (0.000000481) U	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.000000639)	ND (0.00000169)	ND (0.000000596)	ND (0.000000206)	ND (0.00000161)	ND (0.000000993)	ND (0.00000087) U	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000103)	ND (0.00000184)	ND (0.000000868)	ND (0.000000279)	ND (0.00000178)	ND (0.000000794)	ND (0.00000101) U	
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.000000348)	ND (0.00000067)	ND (0.000000265)	ND (0.000000163)	ND (0.00000107)	ND (0.000000165)	ND (0.00000049) U	
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000114)	ND (0.00000194)	ND (0.000000914)	ND (0.000000294)	ND (0.00000193)	ND (0.000000803)	ND (0.00000106) U	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000035)	ND (0.000000686)	ND (0.000000259)	ND (0.000000149)	ND (0.000000953)	ND (0.000000158)	ND (0.000000509) U	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000105)	ND (0.00000183)	ND (0.000000861)	ND (0.000000289)	ND (0.00000187)	ND (0.000000825)	ND (0.000000986) U	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.000000551)	ND (0.00000117)	ND (0.00000043)	ND (0.000000229)	ND (0.00000151)	ND (0.000000254)	ND (0.000000789) U	
1,2,3,7,8-PECDF	UG/L	T				ND (0.000000826)	ND (0.00000264)	ND (0.000000532)	ND (0.000000193)	ND (0.0000011)	ND (0.000000709)	ND (0.00000158) U	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000386)	ND (0.000000721)	ND (0.000000287)	ND (0.000000161)	ND (0.0000011)	ND (0.000000187)	ND (0.000000646) U	
2,3,4,7,8-PECDF	UG/L	T				ND (0.000000828)	ND (0.00000248)	ND (0.000000501)	ND (0.000000181)	ND (0.0000011)	ND (0.000000672)	ND (0.0000013) U	
2,3,7,8-TCDD	UG/L	T				ND (0.000000842)	ND (0.00000183)	ND (0.000000557)	ND (0.000000207)	ND (0.00000173)	ND (0.000000181)	ND (0.000000646) U	
2,3,7,8-TCDF	UG/L	T				ND (0.000000599)	ND (0.00000175)	ND (0.000000452)	ND (0.000000258)	ND (0.00000211)	ND (0.000000548)	ND (0.000000455) U	
HPCDDS	UG/L	T										0.00000169	ND (0.00000099) U
HXCDDS	UG/L	T				ND (0.00000107)	ND (0.00000187)	ND (0.000000882)	ND (0.000000287)	ND (0.00000186)	ND (0.000000807)	ND (0.00000101) U	
HXCDFS	UG/L	T				ND (0.000000403)	ND (0.000000803)	ND (0.000000302)	ND (0.000000176)	ND (0.00000116)	ND (0.000000187)	ND (0.000000591) U	
OCDD	UG/L	T				0.000131	0.0000135 B	0.0000485	0.0000471 B	0.00000855	0.0000342 J	0.0000063 J	
OCDF	UG/L	T				0.0000101	ND (0.00000321)	ND (0.00000473)	0.00000213 B	ND (0.00000435)	ND (0.00000341)	ND (0.00000167) U	
TCDDS	UG/L	T				ND (0.000000842)	ND (0.00000183)	ND (0.000000557)	ND (0.000000207)	ND (0.00000173)	0.000000614	ND (0.000000646) U	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	
			Human Health		Ecological (DF=29,412)		1/20/06	2/15/06	3/22/06	4/12/06	5/17/06	5/15/07	8/21/07	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)			Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	0
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS				
TCDFS	UG/L	T					ND (0.000000599)	ND (0.00000175)	ND (0.000000452)	ND (0.000000258)	ND (0.00000211)	ND (0.000000548)	ND (0.000000455) U	
TOTAL HPCDD	UG/L	T												
TOTAL HPCDF	UG/L	T												
TOTAL HXCDD	UG/L	T												
TOTAL HXCDF	UG/L	T												
TOTAL PECDD	UG/L	T												
TOTAL PECDDS	UG/L	T					ND (0.000000707)	ND (0.00000152)	ND (0.000000806)	ND (0.000000232)	ND (0.00000228)	ND (0.000000527)	ND (0.00000105) U	
TOTAL PECDF	UG/L	T												
TOTAL PECDFS	UG/L	T					ND (0.000000827)	ND (0.00000256)	ND (0.000000516)	ND (0.000000187)	ND (0.00000011)	ND (0.00000069)	ND (0.00000144) U	
PCB 1	UG/L	D												
PCB 1	UG/L	T										ND (0.00000185)	ND (0.00000108) U	
PCB 10	UG/L	T										ND (0.00000293)	ND (0.00000164) U	
PCB 103	UG/L	T										ND (0.0000021)	ND (0.00000119) U	
PCB 105	UG/L	T					ND (0.0000165)	ND (0.000013)	ND (0.0000259)	ND (0.00000817)	ND (0.000012)	0.00000613 B	0.00000303 U*	
PCB 109	UG/L	T										0.00000331 B	ND (0.00000936) U	
PCB 11	UG/L	T										0.0000322 B	0.00000478 U*	
PCB 110	UG/L	T										0.0000182 B	0.00000692 U*	
PCB 114	UG/L	T					ND (0.0000173)	ND (0.0000135)	ND (0.00000849)	ND (0.00000715)	ND (0.0000137)	ND (0.00000224)	ND (0.0000012) U	
PCB 117	UG/L	T										ND (0.00000214)	ND (0.00000106) U	
PCB 118	UG/L	T										0.000012 B	0.00000521 U*	
PCB 123	UG/L	T					ND (0.0000142)	ND (0.0000186)	ND (0.0000087)	ND (0.00000673)	ND (0.0000147)	ND (0.00000215)	ND (0.00000122) U	
PCB 130	UG/L	T										0.00000865 B	ND (0.00000142) U	
PCB 131	UG/L	T										ND (0.00000184)	ND (0.00000119) U	
PCB 132	UG/L	T										0.00000729 B	0.00000231 U*	
PCB 133	UG/L	T										0.00000688 B	ND (0.00000117) U	
PCB 134	UG/L	T										ND (0.00000242)	ND (0.00000161) U	
PCB 136	UG/L	T										ND (0.00000138)	ND (0.000000892) U	
PCB 137	UG/L	T										ND (0.00000164)	ND (0.00000104) U	
PCB 141	UG/L	T										ND (0.00000178)	ND (0.00000112) U	
PCB 144	UG/L	T										ND (0.00000197)	ND (0.00000122) U	
PCB 146	UG/L	T										0.0000168 B	ND (0.00000116) U	
PCB 148	UG/L	T										ND (0.00000185)	ND (0.0000012) U	
PCB 15	UG/L	T										ND (0.00000503)	ND (0.00000221) U	
PCB 150	UG/L	T										ND (0.00000124)	ND (0.000000803) U	
PCB 154	UG/L	T										ND (0.00000171)	ND (0.00000109) U	
PCB 156	UG/L	T					ND (0.00000453)	ND (0.00000553)	ND (0.00000207)	ND (0.00000428)	ND (0.00000766)			
PCB 157	UG/L	T					ND (0.00000461)	ND (0.00000575)	ND (0.00000237)	ND (0.00000431)	ND (0.00000787)			
PCB 158	UG/L	T										ND (0.00000151)	ND (0.000000917) U	
PCB 159	UG/L	T										ND (0.00000194)	ND (0.00000105) U	
PCB 16	UG/L	T										ND (0.00000585)	ND (0.00000251) U	
PCB 160	UG/L	T										ND (0.00000166)	ND (0.000001) U	
PCB 162	UG/L	T										ND (0.00000173)	ND (0.000000964) U	
PCB 164	UG/L	T										0.00000325 B	ND (0.000000819) U	
PCB 167	UG/L	T					ND (0.00000427)	ND (0.0000058)	ND (0.00000213)	ND (0.00000384)	ND (0.00000789)	ND (0.00000184)	ND (0.000001) U	
PCB 169	UG/L	T					ND (0.00000573)	ND (0.00000646)	ND (0.00000259)	ND (0.00000136)	ND (0.00000981)	ND (0.0000025)	ND (0.00000123) U	
PCB 17	UG/L	T										ND (0.00000417)	ND (0.00000178) U	
PCB 170	UG/L	T										ND (0.0000026)	ND (0.00000156) U	
PCB 172	UG/L	T										ND (0.00000265)	ND (0.0000014) U	
PCB 174	UG/L	T										ND (0.00000275)	ND (0.00000151) U	
PCB 175	UG/L	T										ND (0.00000268)	ND (0.00000145) U	
PCB 176	UG/L	T										ND (0.00000128)	ND (0.000000539) U	
PCB 177	UG/L	T										ND (0.00000288)	ND (0.00000162) U	
PCB 178	UG/L	T										ND (0.00000192)	ND (0.000000797) U	
PCB 179	UG/L	T										ND (0.00000162)	ND (0.000000673) U	
PCB 183	UG/L	T										ND (0.00000212)	ND (0.00000117) U	
PCB 185	UG/L	T										ND (0.00000229)	ND (0.00000119) U	
PCB 187	UG/L	T										ND (0.00000255)	ND (0.00000138) U	
PCB 189	UG/L	T					ND (0.00000172)	ND (0.00000306)	ND (0.00000145)	ND (0.00000168)	ND (0.00000163)	ND (0.0000028)	ND (0.00000114) U	
PCB 19	UG/L	T										ND (0.00000469)	ND (0.00000204) U	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location Date	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health				1/20/06	2/15/06	3/22/06	4/12/06	5/17/06	5/15/07	8/21/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS				
PCB 190	UG/L	T										ND (0.00000226)	ND (0.00000132) U
PCB 191	UG/L	T										ND (0.00000233)	ND (0.00000125) U
PCB 194	UG/L	T										ND (0.00000237)	0.00000247 J
PCB 195	UG/L	T										ND (0.00000235)	ND (0.00000108) U
PCB 196	UG/L	T										ND (0.00000209)	ND (0.00000124) U
PCB 197	UG/L	T										ND (0.00000147)	ND (0.000000885) U
PCB 2	UG/L	T										ND (0.000002)	ND (0.00000123) U
PCB 200	UG/L	T										ND (0.0000019)	ND (0.00000107) U
PCB 201	UG/L	T										ND (0.00000174)	ND (0.00000103) U
PCB 202	UG/L	T										ND (0.00000164)	ND (0.00000107) U
PCB 203	UG/L	T										ND (0.00000225)	ND (0.00000133) U
PCB 205	UG/L	T										ND (0.00000206)	ND (0.000000835) U
PCB 206	UG/L	T										ND (0.00000421)	ND (0.00000344) U
PCB 207	UG/L	T										ND (0.00000259)	ND (0.0000025) U
PCB 208	UG/L	T										ND (0.0000028)	ND (0.00000263) U
PCB 209	UG/L	T										ND (0.00000211)	ND (0.00000111) U
PCB 22	UG/L	T										ND (0.00000501)	ND (0.00000167) U
PCB 23	UG/L	T										ND (0.00000478)	ND (0.00000164) U
PCB 25	UG/L	T										ND (0.00000452)	ND (0.00000153) U
PCB 27	UG/L	T										ND (0.00000363)	ND (0.00000153) U
PCB 3	UG/L	T										ND (0.00000215)	ND (0.00000119) U
PCB 31	UG/L	T										0.0000084 B	ND (0.00000139) U
PCB 32	UG/L	T										ND (0.00000294)	ND (0.00000126) U
PCB 34	UG/L	T										ND (0.00000516)	ND (0.00000171) U
PCB 35	UG/L	T										ND (0.00000544)	ND (0.00000181) U
PCB 37	UG/L	T										ND (0.00000604)	ND (0.00000177) U
PCB 38	UG/L	T										ND (0.00000482)	ND (0.00000159) U
PCB 39	UG/L	T										ND (0.00000482)	ND (0.00000156) U
PCB 4	UG/L	D											
PCB 4	UG/L	T										ND (0.00000489)	ND (0.00000317) U
PCB 41	UG/L	T										ND (0.00000263)	ND (0.00000135) U
PCB 42	UG/L	T										ND (0.00000268)	ND (0.0000015) U
PCB 43	UG/L	T										ND (0.00000305)	ND (0.0000017) U
PCB 45	UG/L	T										ND (0.0000021)	ND (0.00000124) U
PCB 46	UG/L	T										ND (0.00000244)	ND (0.00000133) U
PCB 48	UG/L	T										ND (0.00000214)	ND (0.00000114) U
PCB 5	UG/L	T										ND (0.00000413)	ND (0.00000194) U
PCB 51	UG/L	T										ND (0.00000227)	ND (0.0000012) U
PCB 52	UG/L	T										0.0000128 B	0.00000832 U*
PCB 54	UG/L	T										ND (0.00000129)	ND (0.000000637) U
PCB 56	UG/L	T										0.000002 EMPC	ND (0.00000128) U
PCB 57	UG/L	T										ND (0.00000203)	ND (0.00000112) U
PCB 6	UG/L	T										ND (0.00000452)	ND (0.00000205) U
PCB 60	UG/L	T										ND (0.00000198)	ND (0.00000111) U
PCB 63	UG/L	T										ND (0.00000178)	ND (0.00000096) U
PCB 64	UG/L	T										0.00000244 B	ND (0.000000781) U
PCB 66	UG/L	T										0.00000444 EMPC	0.00000308 J
PCB 67	UG/L	T										ND (0.00000208)	ND (0.00000115) U
PCB 68	UG/L	T										ND (0.00000197)	ND (0.00000111) U
PCB 7	UG/L	T										ND (0.0000039)	ND (0.00000188) U
PCB 72	UG/L	T										ND (0.00000204)	ND (0.00000114) U
PCB 77	UG/L	T					ND (0.00000518)	0.0000182	ND (0.0000259)	ND (0.00000534)	ND (0.00000818)	ND (0.00000268)	ND (0.00000129) U
PCB 8	UG/L	T										0.00000778 B	0.0000024 J
PCB 82	UG/L	T										ND (0.00000322)	ND (0.00000181) U
PCB 83	UG/L	T										ND (0.00000289)	ND (0.00000153) U
PCB 84	UG/L	T										ND (0.00000262)	0.00000176 U*
PCB 88	UG/L	T										ND (0.00000273)	ND (0.0000016) U
PCB 9	UG/L	T										ND (0.0000043)	0.00000334 J
PCB 91	UG/L	T										ND (0.00000206)	ND (0.00000113) U

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health				1/20/06	2/15/06	3/22/06	4/12/06	5/17/06	5/15/07	8/21/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS				
PCB 92	UG/L	T										ND (0.0000283)	ND (0.000016) U
PCB 95	UG/L	T										0.00000951 B	0.00000571 U*
PCB 96	UG/L	T										ND (0.00000152)	ND (0.00000827) U
PCB 99	UG/L	T										0.00000852	0.00000284 U*
PCB-106/118	UG/L	T				ND (0.0000137)	0.0000326	ND (0.0000259)	ND (0.00000868)	ND (0.0000155)			
PCB-107/124	UG/L	T										ND (0.00000216)	ND (0.00000117) U
PCB-108/119/86/97/125/87	UG/L	T										0.0000108 B	0.00000549 U*
PCB-113/90/101	UG/L	T										0.0000126 B	0.00000744 U*
PCB-116/85	UG/L	T										ND (0.00000221)	ND (0.00000129) U
PCB-128/166	UG/L	T										ND (0.00000199)	ND (0.00000113) U
PCB-13/12	UG/L	T										ND (0.00000451)	ND (0.00000211) U
PCB-139/140	UG/L	T										ND (0.00000173)	ND (0.00000112) U
PCB-147/149	UG/L	T										0.0000137 B	0.00000477 U*
PCB-151/135	UG/L	T										0.0000103 B	ND (0.00000119) U
PCB-153/168	UG/L	T										0.0000134 B	0.00000465 U*
PCB-156/157	UG/L	T										ND (0.00000243)	ND (0.00000135) U
PCB-163/138/129	UG/L	T										0.0000162 B	0.00000591 U*
PCB-171/173	UG/L	T										ND (0.00000275)	ND (0.00000151) U
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T										ND (0.00000223)	0.00000385 J
PCB-198/199	UG/L	T										ND (0.00000255)	ND (0.00000151) U
PCB-21/33	UG/L	T										0.00000434 B	ND (0.00000143) U
PCB-26/29	UG/L	T										ND (0.00000462)	ND (0.00000155) U
PCB-28/20	UG/L	T										0.00000979 B	ND (0.00000163) U
PCB-30/18	UG/L	T										0.00000777 B	0.00000252 EMPCJ
PCB-44/47/65	UG/L	T										0.0000118 B	0.00000482 U*
PCB-50/53	UG/L	T										ND (0.00000213)	ND (0.00000117) U
PCB-59/62/75	UG/L	T										ND (0.00000167)	ND (0.000000894) U
PCB-61/70/74/76	UG/L	T										0.0000101 B	0.00000526 U*
PCB-69/49	UG/L	T										0.00000453 B	0.00000241 U*
PCB-71/40	UG/L	T										0.00000344	ND (0.00000126) U
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	ND (0.0000242)	ND (0.0000259)		ND (0.0000532)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.000053)	0.000394	ND (0.0000518)		ND (0.000106)		0.00004 B	0.0000105 J
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	ND (0.0000242)	ND (0.0000259)		ND (0.0000532)	ND (0.00000236)	0.00000385 J	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	ND (0.0000242)	ND (0.0000259)		ND (0.0000532)	0.0000966 B	0.0000176 U*	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	ND (0.0000242)	ND (0.0000259)		ND (0.0000532)	ND (0.000002)	ND (0.00000113) U	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	ND (0.0000242)	ND (0.0000259)		ND (0.0000532)	ND (0.00000351)	ND (0.00000304) U	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	ND (0.0000242)	ND (0.0000259)		ND (0.0000532)	ND (0.00000185)	0.00000247 J	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02	0.0000555 B	0.00654	0.000365 B	0.00000361 B				
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	0.000305	0.0000301 B	0.00000361	ND (0.0000532)	0.0000777 B	0.0000384 U*	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000265)	0.00275	0.00029 B		ND (0.0000532)	0.0000325 B	0.0000239 J	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000555 B	0.0031	0.0000416 B		ND (0.0000532)	0.0000225 B	0.00000252 EMPCJ	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06							ND (80.2)	ND (80.2)
ALUMINUM	UG/L	T										824	800 J
ANTIMONY	UG/L	D		1.58E+08	8.82E+05							ND (9.7)	ND (9.7)
ANTIMONY	UG/L	T				ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (9.7)	ND (9.7)	
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06							ND (0.67)	ND (0.7)
ARSENIC	UG/L	T				ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (0.67)	ND (0.7)	
BARIUM	UG/L	D		7.90E+10	1.18E+05							29.8	30.9
BARIUM	UG/L	T										30.8	34.4
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04							ND (0.94)	ND (0.9)
BERYLLIUM	UG/L	T										ND (0.94)	ND (0.9)
CADMIUM	UG/L	D		1.98E+08	2.65E+04							ND (0.91)	ND (0.9)
CADMIUM	UG/L	T										ND (0.91)	ND (0.9)
CALCIUM	UG/L	D										58700	55400
CALCIUM	UG/L	T										56600	56100
CHROMIUM	UG/L	D			4.76E+06							ND (2.3)	ND (2.3)
CHROMIUM	UG/L	T										3 B	6 J

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04
			Human Health			Date	1/20/06	2/15/06	3/22/06	4/12/06	5/17/06	5/15/07	8/21/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05							36.5	35.7
COBALT	UG/L	T										34.1	38.4
COPPER	UG/L	D		1.58E+10	2.68E+05							ND (2.2)	ND (2.2)
COPPER	UG/L	T										ND (2.2)	3.5 J
FERROUS IRON	UG/L	T										70200 J	108000 J
IRON	UG/L	D		2.77E+11	2.94E+07							109000	105000
IRON	UG/L	T				102000	116000	106000 J	107000 J	108000 J		104000	109000
LEAD	UG/L	D			4.71E+05							0.11 B	0.11 B
LEAD	UG/L	T										1.1	0.46 J
MAGNESIUM	UG/L	D										14000	13400
MAGNESIUM	UG/L	T										13600	13600
MANGANESE	UG/L	D		5.53E+10	3.38E+07							1370	1320
MANGANESE	UG/L	T				1280	1380	1310	1350	1280		1330	1340
MERCURY	UG/L	D		1.19E+08	3.53E+02							ND (0.056) UJ	ND (0.056)
MERCURY	UG/L	T										ND (0.056) UJ	ND (0.056)
NICKEL	UG/L	D		1.00E+10	3.59E+06							34.5	31.9
NICKEL	UG/L	T										35.1	36.5
POTASSIUM	UG/L	D										3200	2920
POTASSIUM	UG/L	T										3140	2940
SELENIUM	UG/L	D		1.98E+09	1.47E+05							ND (9.4)	ND (9.4)
SELENIUM	UG/L	T										ND (9.4)	ND (9.4)
SILVER	UG/L	D		2.21E+09	2.65E+05							ND (1.6)	ND (1.6)
SILVER	UG/L	T										ND (1.6)	ND (1.6)
SODIUM	UG/L	D										22400	19600
SODIUM	UG/L	T										23100	20200
THALLIUM	UG/L	D		3.95E+06	1.18E+06							ND (0.037)	ND (0.037)
THALLIUM	UG/L	T				ND (10)	ND (10)	ND (10)	ND (10)	ND (10)		ND (0.037)	ND (0.037)
TITANIUM	UG/L	D										ND (2.8)	ND (2.8)
TITANIUM	UG/L	T										20.6	28.8
VANADIUM	UG/L	D		2.77E+07	5.88E+05							ND (1.5)	5.5
VANADIUM	UG/L	T										2.2 J	10.2
ZINC	UG/L	D		1.33E+11	2.41E+06							36.8	42.6
ZINC	UG/L	T										36.9	52.6
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T										60800 J	63100
AMMONIA	UG/L	T		1.34E+13								ND (200)	220 J
CHLORIDE	UG/L	T										67700	87900
CYANIDE	UG/L	T		8.45E+09	1.53E+05							ND (5) UJ	ND (5) UJ
FERRIC IRON	UG/L	T										33600	ND (1600)
NITRATE	UG/L	T		6.32E+11								ND (40)	ND (40)
NITRITE	UG/L	T		3.95E+10								120 J	80 J
PHOSPHORUS	UG/L	T										ND (250)	ND (250)
SILICA	UG/L	T										31400	26600
SULFATE	UG/L	T										205000	225000
SULFIDE	UG/L	T										200	ND (54)
TOTAL DISSOLVED SOLIDS	UG/L	T					562000 J	548000 J	646000	539000			
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T				3100 B	2600	2100	2200	2200		2200	1600 J
TOTAL SUSPENDED SOLIDS	UG/L	T				87600	56800	4800 J	ND (3000)	4400 J	21200	51200	
COLOR QUALITATIVE (FIELD)	NS	T				clear	clear	clear	clear	clear			clr
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				100	0	0	460	0	500	260	
ODOR (FIELD)	NS	T				yes	none	yes	none	none	No	no	
OVABZONE	PPM	T				NR	NR	NR	NR	NR			
OVACASING	PPM	T				NR	NR	NR	NR	NR			
REDOX (FIELD)	MV	T				NR							
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				ND (0.00000645)	ND (0.00000156)	ND (0.00000561)	ND (0.00000202)	ND (0.0000016)	ND (0.00000792)	ND (0.00000647) U	
TOTAL HPCDDS	UG/L	T				0.00000484	ND (0.00000157)	ND (0.00000203)	0.00000179 B	ND (0.00000275)			

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health			Date	11/12/08	6/14/05	7/21/05	8/23/05	9/21/05	10/11/05	11/15/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Date	0	0	0	0	0	0	0
						Top (ft)	0	0	0	0	0	0	
Duplicate	Bottom (ft)	0	0	0	0	0	0	0	0	0			
						FS	FS	FS	FS	FS	FS	FS	
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05		ND (0.8)						
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06		ND (1)						
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05		ND (0.8)						
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04		ND (1)						
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05		ND (1)						
ACETONE	UG/L	T		4.08E+11	4.41E+07		ND (6)						
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07		ND (0.5)						
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04		ND (1)						
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04		ND (0.8)						
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04		ND (0.8)						
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05		ND (0.8)						
ETHYL CHLORIDE	UG/L	T					ND (1)						
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06		ND (0.8)						
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06		ND (1)						
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08		ND (3)						
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06		ND (2)						
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06		ND (0.8)						
TOLUENE	UG/L	T		3.52E+09	5.88E+04		ND (0.7)						
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05		ND (0.8)						
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05		ND (1)						
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07		ND (1)						
XYLENES	UG/L	T		5.98E+09	3.82E+05		ND (0.8)						
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07		ND (3) R						
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05		ND (1)						
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09			ND (1) R						
ACENAPHTHENE	UG/L	T		1.01E+09			ND (0.49)						
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02		ND (0.02)						
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02		0.012 J						
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05		ND (2)						
CARBAZOLE	UG/L	T		5.29E+08			ND (1)						
CHRYSENE	UG/L	T	9.83E+01		1.18E+02		ND (0.039)						
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05		ND (1)						
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05		ND (2)						
FLUORENE	UG/L	T		5.29E+08	8.82E+04		ND (0.099)						
HEXACHLOROETHYLENE	UG/L	T			8.82E+00		ND (1)	ND (1)	ND (1)	ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (1) UJ
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04		ND (0.99)						
PHENANTHRENE	UG/L	T			1.18E+04		ND (0.039)						
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.00000214)	ND (0.00000103)	ND (0.0000011)	0.000000999	ND (0.00000114)	ND (0.00000127)	
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.000000995)	ND (0.00000075)	ND (0.000000329)	ND (0.000000329)	ND (0.000000706)	ND (0.000000601)	
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.00000116)	ND (0.000000942)	ND (0.000000575)	ND (0.000000367)	ND (0.000000769)	ND (0.000000665)	
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.00000117)	ND (0.00000112)	ND (0.00000103)	ND (0.000000519)	ND (0.00000115)	ND (0.000000849)	
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.000000683)	ND (0.000000417)	ND (0.000000269)	ND (0.00000013)	ND (0.000000342)	ND (0.000000329)	
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.0000011)	ND (0.00000115)	ND (0.000000973)	ND (0.000000544)	ND (0.0000012)	ND (0.000000849)	
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.000000637)	ND (0.000000397)	ND (0.000000258)	ND (0.00000013)	ND (0.000000305)	ND (0.000000321)	
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.00000107)	ND (0.00000107)	ND (0.000000983)	ND (0.000000503)	ND (0.00000111)	ND (0.000000802)	
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.00000111)	ND (0.000000835)	ND (0.00000041)	ND (0.000000209)	ND (0.000000532)	ND (0.000000552)	
1,2,3,7,8-PECDF	UG/L	T					ND (0.00000119)	ND (0.00000118)	ND (0.000000585)	ND (0.000000467)	ND (0.00000078)	ND (0.00000126)	
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.000000728)	ND (0.000000476)	ND (0.000000283)	ND (0.000000139)	ND (0.000000359)	ND (0.000000352)	
2,3,4,7,8-PECDF	UG/L	T					ND (0.00000105)	ND (0.00000107)	ND (0.000000533)	ND (0.000000392)	ND (0.000000682)	ND (0.00000104)	
2,3,7,8-TCDD	UG/L	T					ND (0.000000837)	ND (0.000000854)	ND (0.000000571)	ND (0.00000055)	ND (0.000000935)	ND (0.000000673)	
2,3,7,8-TCDF	UG/L	T					ND (0.00000101)	ND (0.00000107)	ND (0.000000449)	ND (0.000000363)	ND (0.000000713)	ND (0.000000613)	
HPCDDS	UG/L	T											
HXCDDS	UG/L	T					ND (0.00000111)	ND (0.00000111)	ND (0.000000993)	ND (0.000000522)	ND (0.00000115)	ND (0.000000833)	
HXCDFS	UG/L	T					ND (0.000000771)	ND (0.000000511)	ND (0.000000299)	ND (0.000000149)	ND (0.000000373)	ND (0.00000038)	
OCDD	UG/L	T					0.000015 B	0.00000525	0.0000203	0.0000668	0.000079 B	0.0000199	
OCDF	UG/L	T					ND (0.00000208)	ND (0.000002)	ND (0.00000195)	0.00000133	ND (0.00000915)	0.00000802	
TCDDS	UG/L	T					ND (0.000000837)	ND (0.000000854)	ND (0.000000571)	ND (0.00000055)	ND (0.000000935)	ND (0.000000673)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health				MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		11/12/08	6/14/05	7/21/05	8/23/05	9/21/05	10/11/05	11/15/05
							Top (ft)	Bottom (ft)	Duplicate	FS	FS	FS	FS
TCDFS	UG/L	T					0.0000094	ND (0.00000107)	ND (0.000000449)	ND (0.000000363)	ND (0.000000713)	ND (0.000000613)	
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL HXCDF	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T					ND (0.000000727)	ND (0.00000084)	ND (0.000000667)	ND (0.000000656)	ND (0.000000873)	ND (0.000000727)	
TOTAL PECDF	UG/L	T											
TOTAL PECDFS	UG/L	T					0.00000421	ND (0.00000112)	ND (0.000000558)	ND (0.000000427)	ND (0.000000729)	ND (0.00000114)	
PCB 1	UG/L	D				ND (0.00000248)							
PCB 10	UG/L	T											
PCB 103	UG/L	T											
PCB 105	UG/L	T					0.0000361	ND (0.00000964)	ND (0.0000095)	ND (0.0000159)	ND (0.0000164)	ND (0.0000103)	
PCB 109	UG/L	T											
PCB 11	UG/L	T											
PCB 110	UG/L	T											
PCB 114	UG/L	T					ND (0.0000136)	ND (0.00000986)	ND (0.0000104)	ND (0.0000117)	ND (0.0000197)	ND (0.0000109)	
PCB 117	UG/L	T											
PCB 118	UG/L	T											
PCB 123	UG/L	T					ND (0.0000182)	ND (0.0000175)	ND (0.0000145)	ND (0.0000157)	ND (0.000011)	ND (0.00000816)	
PCB 130	UG/L	T											
PCB 131	UG/L	T											
PCB 132	UG/L	T											
PCB 133	UG/L	T											
PCB 134	UG/L	T											
PCB 136	UG/L	T											
PCB 137	UG/L	T											
PCB 141	UG/L	T											
PCB 144	UG/L	T											
PCB 146	UG/L	T											
PCB 148	UG/L	T											
PCB 15	UG/L	T											
PCB 150	UG/L	T											
PCB 154	UG/L	T											
PCB 156	UG/L	T					ND (0.00000381)	ND (0.00000283)	ND (0.00000207)	ND (0.0000027)	ND (0.00000304)	ND (0.00000301)	
PCB 157	UG/L	T					ND (0.00000384)	ND (0.00000292)	ND (0.00000214)	ND (0.00000268)	ND (0.00000318)	ND (0.00000306)	
PCB 158	UG/L	T											
PCB 159	UG/L	T											
PCB 16	UG/L	T											
PCB 160	UG/L	T											
PCB 162	UG/L	T											
PCB 164	UG/L	T											
PCB 167	UG/L	T					ND (0.00000423)	ND (0.0000029)	ND (0.00000191)	ND (0.00000266)	ND (0.00000315)	ND (0.00000307)	
PCB 169	UG/L	T					ND (0.00000493)	0.00000511 B	0.00000386 B	ND (0.0000063)	ND (0.00000403)	ND (0.00000452)	
PCB 17	UG/L	T											
PCB 170	UG/L	T											
PCB 172	UG/L	T											
PCB 174	UG/L	T											
PCB 175	UG/L	T											
PCB 176	UG/L	T											
PCB 177	UG/L	T											
PCB 178	UG/L	T											
PCB 179	UG/L	T											
PCB 183	UG/L	T											
PCB 185	UG/L	T											
PCB 187	UG/L	T											
PCB 189	UG/L	T					ND (0.00000272)	ND (0.00000227)	ND (0.00000166)	ND (0.00000159)	ND (0.00000295)	ND (0.00000115)	
PCB 19	UG/L	T											

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health			Date	11/12/08	6/14/05	7/21/05	8/23/05	9/21/05	10/11/05	11/15/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T											
PCB 191	UG/L	T											
PCB 194	UG/L	T											
PCB 195	UG/L	T											
PCB 196	UG/L	T											
PCB 197	UG/L	T											
PCB 2	UG/L	T											
PCB 200	UG/L	T											
PCB 201	UG/L	T											
PCB 202	UG/L	T											
PCB 203	UG/L	T											
PCB 205	UG/L	T											
PCB 206	UG/L	T											
PCB 207	UG/L	T											
PCB 208	UG/L	T											
PCB 209	UG/L	T											
PCB 22	UG/L	T											
PCB 23	UG/L	T											
PCB 25	UG/L	T											
PCB 27	UG/L	T											
PCB 3	UG/L	T											
PCB 31	UG/L	T											
PCB 32	UG/L	T											
PCB 34	UG/L	T											
PCB 35	UG/L	T											
PCB 37	UG/L	T											
PCB 38	UG/L	T											
PCB 39	UG/L	T											
PCB 4	UG/L	D					ND (0.00000512)						
PCB 4	UG/L	T											
PCB 41	UG/L	T											
PCB 42	UG/L	T											
PCB 43	UG/L	T											
PCB 45	UG/L	T											
PCB 46	UG/L	T											
PCB 48	UG/L	T											
PCB 5	UG/L	T											
PCB 51	UG/L	T											
PCB 52	UG/L	T											
PCB 54	UG/L	T											
PCB 56	UG/L	T											
PCB 57	UG/L	T											
PCB 6	UG/L	T											
PCB 60	UG/L	T											
PCB 63	UG/L	T											
PCB 64	UG/L	T											
PCB 66	UG/L	T											
PCB 67	UG/L	T											
PCB 68	UG/L	T											
PCB 7	UG/L	T											
PCB 72	UG/L	T											
PCB 77	UG/L	T						0.0000165	0.00000592	0.00000359 B	ND (0.00000212)	0.00000319 B	ND (0.00000317)
PCB 8	UG/L	T											
PCB 82	UG/L	T											
PCB 83	UG/L	T											
PCB 84	UG/L	T											
PCB 88	UG/L	T											
PCB 9	UG/L	T											
PCB 91	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05		
			Human Health				Ecological (DF=29,412)	11/12/08	6/14/05	7/21/05	8/23/05	9/21/05	10/11/05	11/15/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0
PCB 92	UG/L	T													
PCB 95	UG/L	T													
PCB 96	UG/L	T													
PCB 99	UG/L	T													
PCB-106/118	UG/L	T					0.000062	ND (0.0000168)	ND (0.0000142)	ND (0.0000107)	0.0000151	0.0000213			
PCB-107/124	UG/L	T													
PCB-108/119/86/97/125/87	UG/L	T													
PCB-113/90/101	UG/L	T													
PCB-116/85	UG/L	T													
PCB-128/166	UG/L	T													
PCB-13/12	UG/L	T													
PCB-139/140	UG/L	T													
PCB-147/149	UG/L	T													
PCB-151/135	UG/L	T													
PCB-153/168	UG/L	T													
PCB-156/157	UG/L	T													
PCB-163/138/129	UG/L	T													
PCB-171/173	UG/L	T													
PCB-180/193	UG/L	D					ND (0.00000171)								
PCB-180/193	UG/L	T													
PCB-198/199	UG/L	T													
PCB-21/33	UG/L	T													
PCB-26/29	UG/L	T													
PCB-28/20	UG/L	T													
PCB-30/18	UG/L	T													
PCB-44/47/65	UG/L	T													
PCB-50/53	UG/L	T													
PCB-59/62/75	UG/L	T													
PCB-61/70/74/76	UG/L	T													
PCB-69/49	UG/L	T													
PCB-71/40	UG/L	T													
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000518)	ND (0.0000244)	ND (0.0000258)	ND (0.0000257)	ND (0.0000246)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000518)	0.00005 B	ND (0.0000516)	ND (0.0000514)	ND (0.0000491)			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D					ND (0.00000215)								
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000518)	ND (0.0000244)	ND (0.0000258)	ND (0.0000257)	ND (0.0000246)			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000518)	ND (0.0000244)	ND (0.0000258)	ND (0.0000257)	0.0000554			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000256)	ND (0.0000259)	ND (0.0000244)	ND (0.0000258)	ND (0.0000257)	ND (0.0000246)			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000518)	ND (0.0000244)	ND (0.0000258)	0.0000294	ND (0.0000246)			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000518)	ND (0.0000244)	ND (0.0000258)	ND (0.0000257)	ND (0.0000246)			
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02		0.00447	0.000314 B	0.0000819 B		0.000103 B	0.00014 B			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000346	ND (0.0000518)	ND (0.0000244)	ND (0.0000258)	0.0000709	0.0000842			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00275	0.000203	0.000028 B	ND (0.0000258)	ND (0.0000257)	ND (0.0000246)			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00137	0.000106 B	ND (0.0000244)	ND (0.0000258)	ND (0.0000257)	ND (0.0000246)			
ALUMINUM	UG/L	D		3.95E+11	2.56E+06		ND (80.2)								
ALUMINUM	UG/L	T					342								
ANTIMONY	UG/L	D		1.58E+08	8.82E+05		ND (9.7)								
ANTIMONY	UG/L	T					ND (9.7)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)			
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06		ND (0.95)								
ARSENIC	UG/L	T					ND (0.95)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)			
BARIUM	UG/L	D		7.90E+10	1.18E+05		27.9								
BARIUM	UG/L	T					31.5								
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04		ND (0.9)								
BERYLLIUM	UG/L	T					ND (0.9)								
CADMIUM	UG/L	D		1.98E+08	2.65E+04		ND (10)								
CADMIUM	UG/L	T					ND (2)								
CALCIUM	UG/L	D					58100								
CALCIUM	UG/L	T					59700								
CHROMIUM	UG/L	D			4.76E+06		ND (3)								
CHROMIUM	UG/L	T					ND (3)								

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health			Date	11/12/08	6/14/05	7/21/05	8/23/05	9/21/05	10/11/05	11/15/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Date	0	0	0	0	0	0	0
						Top (ft)	0	0	0	0	0	0	
Duplicate	Bottom (ft)	0	0	0	0	0	0	0	0	0			
						FS	FS	FS	FS	FS	FS	FS	
COBALT	UG/L	D		1.41E+08	6.76E+05		38.9						
COBALT	UG/L	T					42.4						
COPPER	UG/L	D		1.58E+10	2.68E+05		ND (2.7)						
COPPER	UG/L	T					3.4 J						
FERROUS IRON	UG/L	T					127000 B						
IRON	UG/L	D		2.77E+11	2.94E+07		109000						
IRON	UG/L	T					110000						
LEAD	UG/L	D			4.71E+05		0.058 B						
LEAD	UG/L	T					0.55 B	ND (8.4)			ND (8.4)		
MAGNESIUM	UG/L	D					14000						
MAGNESIUM	UG/L	T					14200						
MANGANESE	UG/L	D		5.53E+10	3.38E+07		1390						
MANGANESE	UG/L	T					1410 J	9280	10300	16200	15000	15700	15500
MERCURY	UG/L	D		1.19E+08	3.53E+02		ND (0.28)						
MERCURY	UG/L	T					ND (0.28)						
NICKEL	UG/L	D		1.00E+10	3.59E+06		36.7						
NICKEL	UG/L	T					36.4						
POTASSIUM	UG/L	D					3120						
POTASSIUM	UG/L	T					3500						
SELENIUM	UG/L	D		1.98E+09	1.47E+05		ND (10.7) UJ						
SELENIUM	UG/L	T					ND (10.7)						
SILVER	UG/L	D		2.21E+09	2.65E+05		ND (2.2)						
SILVER	UG/L	T					ND (2.2)						
SODIUM	UG/L	D					22000						
SODIUM	UG/L	T					21600						
THALLIUM	UG/L	D		3.95E+06	1.18E+06		ND (0.15)						
THALLIUM	UG/L	T					ND (0.15)	ND (10)	11.4 J	21.4	17.9 J	19.1 J	ND (10)
TITANIUM	UG/L	D					ND (3.8)						
TITANIUM	UG/L	T					18.8						
VANADIUM	UG/L	D		2.77E+07	5.88E+05		5.8						
VANADIUM	UG/L	T					3.6 J						
ZINC	UG/L	D		1.33E+11	2.41E+06		35.7						
ZINC	UG/L	T					36.6						
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T					53700						
AMMONIA	UG/L	T		1.34E+13			ND (200)						
CHLORIDE	UG/L	T					116000						
CYANIDE	UG/L	T		8.45E+09	1.53E+05		ND (5)						
FERRIC IRON	UG/L	T					ND (2000)						
NITRATE	UG/L	T		6.32E+11			ND (40)						
NITRITE	UG/L	T		3.95E+10			180 J						
PHOSPHORUS	UG/L	T					ND (250)						
SILICA	UG/L	T					31800						
SULFATE	UG/L	T					214000						
SULFIDE	UG/L	T					ND (54)						
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T					207000						
TOTAL ORGANIC CARBON	UG/L	T					1700						
TOTAL SUSPENDED SOLIDS	UG/L	T					40400						
COLOR QUALITATIVE (FIELD)	NS	T					Clear	clear	clear	clear	clear	clear	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T					630	760	-110	760	0	0	0
ODOR (FIELD)	NS	T					No	slight	none	none	none	none	
OVABZONE	PPM	T						NR	NR			NR	NR
OVACASING	PPM	T						NR	NR		NR	NR	NR
REDOX (FIELD)	MV	T						N/A		NR		NR	NR
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T						low					
HPCDFS	UG/L	T						ND (0.00000107)	ND (0.000000834)	ND (0.000000476)	ND (0.000000346)	ND (0.000000733)	ND (0.000000629)
TOTAL HPCDDS	UG/L	T						ND (0.00000214)	ND (0.00000103)	ND (0.0000011)	0.00000221	ND (0.00000114)	ND (0.00000127)

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health			Date	12/21/05	1/19/06	2/15/06	3/22/06	4/11/06	5/17/06	5/15/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04								
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								
ACETONE	UG/L	T		4.08E+11	4.41E+07								
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								
ETHYL CHLORIDE	UG/L	T											
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								
TOLUENE	UG/L	T		3.52E+09	5.88E+04								
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								
XYLENES	UG/L	T		5.98E+09	3.82E+05								
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									
ACENAPHTHENE	UG/L	T		1.01E+09									
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								
CARBAZOLE	UG/L	T		5.29E+08									
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								
FLUORENE	UG/L	T		5.29E+08	8.82E+04								
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (1) UJ	ND (1) UJ		
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								
PHENANTHRENE	UG/L	T			1.18E+04								
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.00000461	ND (0.0000017)	ND (0.00000165)	ND (0.00000168)	0.0000144	ND (0.00000225)	ND (0.00000111)	
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.00000109)	ND (0.00000686)	ND (0.00000177)	ND (0.00000545)	0.00000191	ND (0.0000011)	ND (0.00000625)	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000121)	ND (0.00000655)	ND (0.00000201)	ND (0.0000063)	ND (0.00000224)	ND (0.00000116)	ND (0.00000926)	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000103)	ND (0.00000115)	ND (0.00000198)	ND (0.00000894)	ND (0.00000231)	ND (0.00000151)	ND (0.00000631)	
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.00000319)	ND (0.0000026)	ND (0.00000967)	ND (0.00000245)	ND (0.00000115)	ND (0.00000109)	ND (0.0000016)	
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000989)	ND (0.00000115)	ND (0.00000206)	ND (0.00000952)	ND (0.00000245)	ND (0.00000155)	ND (0.00000647)	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000332)	ND (0.00000246)	ND (0.00000972)	ND (0.00000223)	ND (0.00000105)	ND (0.00000939)	ND (0.00000149)	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000986)	ND (0.00000111)	ND (0.00000196)	ND (0.00000892)	ND (0.00000241)	ND (0.00000155)	ND (0.00000698)	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.00000627)	ND (0.0000041)	ND (0.00000162)	ND (0.00000379)	ND (0.00000156)	ND (0.00000146)	ND (0.00000244)	
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000836)	ND (0.00000914)	ND (0.0000033)	ND (0.00000588)	ND (0.00000189)	ND (0.00000102)	ND (0.00000567)	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000368)	ND (0.00000286)	ND (0.00000111)	ND (0.00000259)	ND (0.00000114)	ND (0.00000114)	ND (0.00000174)	
2,3,4,7,8-PECDF	UG/L	T				ND (0.00000678)	ND (0.00000881)	ND (0.00000303)	ND (0.00000576)	ND (0.00000171)	ND (0.00000101)	ND (0.00000551)	
2,3,7,8-TCDD	UG/L	T				ND (0.00000594)	ND (0.00000932)	ND (0.00000203)	ND (0.00000528)	ND (0.00000263)	ND (0.00000188)	ND (0.00000224)	
2,3,7,8-TCDF	UG/L	T				ND (0.00000684)	ND (0.00000818)	ND (0.00000182)	ND (0.00000482)	ND (0.00000236)	ND (0.00000177)	ND (0.0000022)	
HPCDDS	UG/L	T											0.00000142
HXCDDS	UG/L	T				ND (0.000001)	ND (0.00000114)	ND (0.000002)	ND (0.0000016)	ND (0.00000239)	ND (0.00000154)	ND (0.0000066)	
HXCDFS	UG/L	T				0.0000007	ND (0.00000296)	ND (0.00000115)	ND (0.0000027)	0.00000156	ND (0.00000116)	ND (0.00000178)	
OCDD	UG/L	T				0.0000504	0.0000343 B	0.0000718	0.000016	0.000136	ND (0.00000371)	0.00000926 EMPCJ	
OCDF	UG/L	T				0.00000409	ND (0.00000255)	0.00000534	ND (0.00000334)	0.000011	ND (0.00000277)	ND (0.00000194)	
TCDDS	UG/L	T				ND (0.00000594)	ND (0.00000932)	ND (0.00000203)	ND (0.00000528)	ND (0.00000263)	ND (0.00000188)	0.00000687	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05		
			Human Health				Duplicate	12/21/05	1/19/06	2/15/06	3/22/06	4/11/06	5/17/06	5/15/07	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T					ND (0.00000684)	ND (0.00000818)	ND (0.0000182)	ND (0.00000482)	ND (0.00000236)	ND (0.0000177)	ND (0.0000022)		
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T					ND (0.00000496)	ND (0.00000793)	ND (0.00000319)	ND (0.00000203)	ND (0.00000206)	ND (0.0000189)	ND (0.00000477)		
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T					ND (0.00000752)	ND (0.00000898)	ND (0.00000316)	ND (0.00000582)	ND (0.00000018)	ND (0.0000102)	ND (0.00000559)		
PCB 1	UG/L	D													
PCB 1	UG/L	T											ND (0.00000725)		
PCB 10	UG/L	T											ND (0.00000364)		
PCB 103	UG/L	T											ND (0.0000016)		
PCB 105	UG/L	T					ND (0.0000172)	ND (0.0000123)	ND (0.0000164)	ND (0.00000987)	ND (0.00000652)	ND (0.000015)	0.00000475 B		
PCB 109	UG/L	T											0.00000373 B		
PCB 11	UG/L	T											0.0000292 B		
PCB 110	UG/L	T											0.00002 B		
PCB 114	UG/L	T					ND (0.000118)	ND (0.0000135)	ND (0.0000181)	ND (0.0000119)	ND (0.0000046)	ND (0.000017)	ND (0.00000158)		
PCB 117	UG/L	T											ND (0.00000164)		
PCB 118	UG/L	T											0.0000103 B		
PCB 123	UG/L	T					ND (0.0000162)	ND (0.0000169)	ND (0.0000176)	ND (0.0000112)	ND (0.00000828)	ND (0.0000159)	ND (0.00000165)		
PCB 130	UG/L	T											0.00000938 B		
PCB 131	UG/L	T											ND (0.00000146)		
PCB 132	UG/L	T											0.00000795 B		
PCB 133	UG/L	T											0.00000573 B		
PCB 134	UG/L	T											ND (0.00000193)		
PCB 136	UG/L	T											ND (0.00000113)		
PCB 137	UG/L	T											ND (0.00000131)		
PCB 141	UG/L	T											ND (0.00000142)		
PCB 144	UG/L	T											ND (0.00000157)		
PCB 146	UG/L	T											0.000015 B		
PCB 148	UG/L	T											ND (0.00000147)		
PCB 15	UG/L	T											ND (0.00000385)		
PCB 150	UG/L	T											ND (0.00000102)		
PCB 154	UG/L	T											ND (0.00000136)		
PCB 156	UG/L	T					ND (0.00000603)	ND (0.00000326)	ND (0.00000893)	ND (0.00000292)	ND (0.00000309)	ND (0.00000967)			
PCB 157	UG/L	T					ND (0.00000636)	ND (0.00000343)	ND (0.0000094)	ND (0.00000307)	ND (0.00000326)	ND (0.0000102)			
PCB 158	UG/L	T											ND (0.00000121)		
PCB 159	UG/L	T											ND (0.00000186)		
PCB 16	UG/L	T											ND (0.00000318)		
PCB 160	UG/L	T											ND (0.00000132)		
PCB 162	UG/L	T											ND (0.00000166)		
PCB 164	UG/L	T											ND (0.00000111)		
PCB 167	UG/L	T					ND (0.00000586)	ND (0.00000332)	ND (0.00000969)	ND (0.00000297)	ND (0.00000231)	ND (0.00000989)	0.00000285 B		
PCB 169	UG/L	T					ND (0.00000972)	ND (0.00000429)	ND (0.0000107)	ND (0.00000343)	ND (0.00000388)	ND (0.0000134)	ND (0.00000225)		
PCB 17	UG/L	T											ND (0.00000227)		
PCB 170	UG/L	T											ND (0.000002)		
PCB 172	UG/L	T											ND (0.000002)		
PCB 174	UG/L	T											ND (0.00000207)		
PCB 175	UG/L	T											ND (0.00000201)		
PCB 176	UG/L	T											ND (0.00000983)		
PCB 177	UG/L	T											ND (0.00000217)		
PCB 178	UG/L	T											ND (0.00000147)		
PCB 179	UG/L	T											ND (0.00000125)		
PCB 183	UG/L	T											ND (0.00000159)		
PCB 185	UG/L	T											ND (0.00000172)		
PCB 187	UG/L	T											ND (0.00000192)		
PCB 189	UG/L	T					ND (0.00000389)	ND (0.00000185)	ND (0.00000315)	ND (0.00000113)	ND (0.000000782)	ND (0.0000034)	ND (0.00000186)		
PCB 19	UG/L	T											ND (0.00000255)		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health			Date	12/21/05	1/19/06	2/15/06	3/22/06	4/11/06	5/17/06	5/15/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T											ND (0.0000174)
PCB 191	UG/L	T											ND (0.0000175)
PCB 194	UG/L	T											ND (0.0000207)
PCB 195	UG/L	T											ND (0.0000205)
PCB 196	UG/L	T											ND (0.0000154)
PCB 197	UG/L	T											ND (0.0000108)
PCB 2	UG/L	T											ND (0.0000146)
PCB 200	UG/L	T											ND (0.000014)
PCB 201	UG/L	T											ND (0.0000128)
PCB 202	UG/L	T											ND (0.0000121)
PCB 203	UG/L	T											ND (0.0000166)
PCB 205	UG/L	T											ND (0.000018)
PCB 206	UG/L	T											ND (0.0000334)
PCB 207	UG/L	T											ND (0.000023)
PCB 208	UG/L	T											ND (0.0000249)
PCB 209	UG/L	T											ND (0.0000158)
PCB 22	UG/L	T											ND (0.0000242)
PCB 23	UG/L	T											ND (0.0000232)
PCB 25	UG/L	T											ND (0.0000219)
PCB 27	UG/L	T											ND (0.0000198)
PCB 3	UG/L	T											0.0000364
PCB 31	UG/L	T											0.0000521 B
PCB 32	UG/L	T											ND (0.000016)
PCB 34	UG/L	T											ND (0.000025)
PCB 35	UG/L	T											ND (0.0000263)
PCB 37	UG/L	T											ND (0.0000293)
PCB 38	UG/L	T											ND (0.0000233)
PCB 39	UG/L	T											ND (0.0000233)
PCB 4	UG/L	D											
PCB 4	UG/L	T											0.0000615
PCB 41	UG/L	T											ND (0.0000208)
PCB 42	UG/L	T											ND (0.0000213)
PCB 43	UG/L	T											ND (0.0000241)
PCB 45	UG/L	T											ND (0.0000166)
PCB 46	UG/L	T											ND (0.0000193)
PCB 48	UG/L	T											ND (0.0000169)
PCB 5	UG/L	T											ND (0.0000316)
PCB 51	UG/L	T											ND (0.000018)
PCB 52	UG/L	T											0.000018 B
PCB 54	UG/L	T											ND (0.0000101)
PCB 56	UG/L	T											ND (0.0000126)
PCB 57	UG/L	T											ND (0.0000113)
PCB 6	UG/L	T											ND (0.0000346)
PCB 60	UG/L	T											ND (0.000011)
PCB 63	UG/L	T											ND (0.00000989)
PCB 64	UG/L	T											0.000026 B
PCB 66	UG/L	T											0.0000388
PCB 67	UG/L	T											ND (0.0000116)
PCB 68	UG/L	T											ND (0.000011)
PCB 7	UG/L	T											ND (0.0000298)
PCB 72	UG/L	T											ND (0.0000113)
PCB 77	UG/L	T					ND (0.0000528)	ND (0.0000039)	ND (0.00000539)	ND (0.0000248)	ND (0.00000431)	ND (0.0000152)	ND (0.0000143)
PCB 8	UG/L	T											0.0000843 B
PCB 82	UG/L	T											ND (0.0000246)
PCB 83	UG/L	T											ND (0.0000222)
PCB 84	UG/L	T											0.0000449
PCB 88	UG/L	T											ND (0.0000209)
PCB 9	UG/L	T											ND (0.0000329)
PCB 91	UG/L	T											0.0000023

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health			Date	12/21/05	1/19/06	2/15/06	3/22/06	4/11/06	5/17/06	5/15/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T											ND (0.0000217)
PCB 95	UG/L	T											0.0000113 B
PCB 96	UG/L	T											ND (0.000011)
PCB 99	UG/L	T											0.00000598 EMPC
PCB-106/118	UG/L	T					ND (0.0000174)	ND (0.0000172)	ND (0.000018)	0.000026 B	ND (0.0000058)	ND (0.0000156)	
PCB-107/124	UG/L	T											ND (0.0000165)
PCB-108/119/86/97/125/87	UG/L	T											0.0000115 B
PCB-113/90/101	UG/L	T											0.0000136 B
PCB-116/85	UG/L	T											ND (0.0000169)
PCB-128/166	UG/L	T											0.0000043
PCB-13/12	UG/L	T											ND (0.00000345)
PCB-139/140	UG/L	T											ND (0.0000138)
PCB-147/149	UG/L	T											0.000014 B
PCB-151/135	UG/L	T											0.00000947 B
PCB-153/168	UG/L	T											0.0000128 B
PCB-156/157	UG/L	T											ND (0.00000228)
PCB-163/138/129	UG/L	T											0.0000163 B
PCB-171/173	UG/L	T											ND (0.00000207)
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T											ND (0.0000168)
PCB-198/199	UG/L	T											ND (0.0000188)
PCB-21/33	UG/L	T											0.00000347 B
PCB-26/29	UG/L	T											ND (0.00000224)
PCB-28/20	UG/L	T											0.00000814 B
PCB-30/18	UG/L	T											0.00000948 B
PCB-44/47/65	UG/L	T											0.0000122 B
PCB-50/53	UG/L	T											ND (0.0000168)
PCB-59/62/75	UG/L	T											ND (0.0000132)
PCB-61/70/74/76	UG/L	T											0.00000775 B
PCB-69/49	UG/L	T											0.00000464 B
PCB-71/40	UG/L	T											ND (0.00000179)
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	ND (0.0000257)	ND (0.0000256)	ND (0.0000248)		ND (0.0000513)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000496)	ND (0.0000513)	ND (0.0000512)	ND (0.0000497)		ND (0.000103)	0.0000438 B
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	ND (0.0000257)	ND (0.0000256)	ND (0.0000248)		ND (0.0000513)	ND (0.00000172)
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	ND (0.0000257)	ND (0.0000256)	ND (0.0000248)		ND (0.0000513)	0.0000855 B
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	ND (0.0000257)	ND (0.0000256)	ND (0.0000248)		ND (0.0000513)	0.00000364
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	ND (0.0000257)	ND (0.0000256)	ND (0.0000248)		ND (0.0000513)	ND (0.00000292)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	ND (0.0000257)	ND (0.0000256)	ND (0.0000248)		ND (0.0000513)	ND (0.00000151)
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02		0.0000574	0.000125 B	0.000068 B	0.000805 B			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000027	ND (0.0000257)	ND (0.0000256)	0.000132 B		ND (0.0000513)	0.0000419 B
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000304	0.0000337 B	0.000068 B	0.00053 B		ND (0.0000513)	0.0000445 B
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000248)	0.0000917 B	ND (0.0000256)	0.000143 B		ND (0.0000513)	0.0000176 B
ALUMINUM	UG/L	D		3.95E+11	2.56E+06								ND (80.2)
ALUMINUM	UG/L	T											
ANTIMONY	UG/L	D		1.58E+08	8.82E+05								ND (9.7)
ANTIMONY	UG/L	T					ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (64)	
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06								ND (0.67)
ARSENIC	UG/L	T					14.1 J	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (93)	
BARIUM	UG/L	D		7.90E+10	1.18E+05								20.9
BARIUM	UG/L	T											
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04								ND (0.94)
BERYLLIUM	UG/L	T											
CADMIUM	UG/L	D		1.98E+08	2.65E+04								ND (4.6)
CADMIUM	UG/L	T											
CALCIUM	UG/L	D											174000
CALCIUM	UG/L	T											
CHROMIUM	UG/L	D			4.76E+06								ND (2.3)
CHROMIUM	UG/L	T											

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05
			Human Health				12/21/05	1/19/06	2/15/06	3/22/06	4/11/06	5/17/06	5/15/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							0	0	0	0	0	0	0
COBALT	UG/L	D		1.41E+08	6.76E+05								429
COBALT	UG/L	T											
COPPER	UG/L	D		1.58E+10	2.68E+05								ND (2.2)
COPPER	UG/L	T											
FERROUS IRON	UG/L	T											
IRON	UG/L	D		2.77E+11	2.94E+07								465000
IRON	UG/L	T				471000	437000 J	521000	395000 J	384000 J	468000 J		
LEAD	UG/L	D			4.71E+05								0.45 B
LEAD	UG/L	T											
MAGNESIUM	UG/L	D											39700
MAGNESIUM	UG/L	T											
MANGANESE	UG/L	D		5.53E+10	3.38E+07								15300
MANGANESE	UG/L	T				15900	14400	17600	12800	13500	15500		
MERCURY	UG/L	D		1.19E+08	3.53E+02								ND (0.056) UJ
MERCURY	UG/L	T											
NICKEL	UG/L	D		1.00E+10	3.59E+06								315
NICKEL	UG/L	T											
POTASSIUM	UG/L	D											3030
POTASSIUM	UG/L	T											
SELENIUM	UG/L	D		1.98E+09	1.47E+05								ND (9.4)
SELENIUM	UG/L	T											
SILVER	UG/L	D		2.21E+09	2.65E+05								5.3
SILVER	UG/L	T											
SODIUM	UG/L	D											14900
SODIUM	UG/L	T											
THALLIUM	UG/L	D		3.95E+06	1.18E+06								ND (0.037)
THALLIUM	UG/L	T				16.1 J	ND (10)	ND (10)	ND (10)	ND (50)	ND (100)		
TITANIUM	UG/L	D											ND (2.8)
TITANIUM	UG/L	T											
VANADIUM	UG/L	D		2.77E+07	5.88E+05								9.6
VANADIUM	UG/L	T											
ZINC	UG/L	D		1.33E+11	2.41E+06								246
ZINC	UG/L	T											
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											
AMMONIA	UG/L	T		1.34E+13									
CHLORIDE	UG/L	T											
CYANIDE	UG/L	T		8.45E+09	1.53E+05								
FERRIC IRON	UG/L	T											
NITRATE	UG/L	T		6.32E+11									
NITRITE	UG/L	T		3.95E+10									
PHOSPHORUS	UG/L	T											
SILICA	UG/L	T											
SULFATE	UG/L	T											
SULFIDE	UG/L	T											
TOTAL DISSOLVED SOLIDS	UG/L	T						2040000 J	1870000 J	1920000	2240000		
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T				1100 J	2500 B	1500 J	1100 J	1000 J	1100 J		
TOTAL SUSPENDED SOLIDS	UG/L	T				60800	9200 B	98000	26800	27600	37600		
COLOR QUALITATIVE (FIELD)	NS	T				clr	clear	clear clear clear clear	Clear				
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				0	60	0	0	0	0	700	
ODOR (FIELD)	NS	T				none	yes	none	none none none No				
OVABZONE	PPM	T				NR	NR NR NR NR NR NR						
OVACASING	PPM	T				NR	NR NR NR NR NR NR						
REDOX (FIELD)	MV	T					NR						
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				ND (0.00000114)	ND (0.000000671)	ND (0.00000188)	ND (0.000000584)	0.00000961	ND (0.00000113)	ND (0.000000761)	
TOTAL HPCDDS	UG/L	T				0.00000886	ND (0.0000017)	ND (0.00000165)	ND (0.00000168)	0.0000238	ND (0.00000225)		

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06	
			Human Health				Ecological (DF=29,412)	5/15/07	8/21/07	11/12/08	6/14/05	7/22/05	8/25/05	9/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05		ND (0.8)	ND (0.8)	ND (0.8)					
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06		ND (1)	ND (1)	ND (1)					
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05		ND (0.8)	ND (0.8)	ND (0.8)					
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04		ND (1)	ND (1) R	ND (1) R					
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05		ND (1)	ND (1) R	ND (1) R					
ACETONE	UG/L	T		4.08E+11	4.41E+07		ND (6)	ND (6)	ND (6)					
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07		ND (0.5)	ND (0.5)	ND (0.5)					
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04		ND (1)	ND (1)	ND (1)					
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04		ND (0.8)	ND (0.8)	ND (0.8)					
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04		ND (0.8)	ND (0.8)	ND (0.8)					
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05		ND (0.8)	ND (0.8)	ND (0.8)					
ETHYL CHLORIDE	UG/L	T					ND (1)	ND (1)	ND (1)					
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06		ND (0.8)	ND (0.8)	ND (0.8)					
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06		ND (1)	ND (1)	ND (1)					
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08		ND (3)	ND (3)	ND (3)					
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06		ND (2)	ND (2)	ND (2)					
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06		ND (0.8)	ND (0.8)	ND (0.8)					
TOLUENE	UG/L	T		3.52E+09	5.88E+04		ND (0.7)	ND (0.7)	ND (0.7)					
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05		ND (0.8)	ND (0.8)	ND (0.8)					
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05		ND (1)	ND (1)	ND (1)					
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07		ND (1)	ND (1)	ND (1)					
XYLENES	UG/L	T		5.98E+09	3.82E+05		ND (0.8)	ND (0.8)	ND (0.8)					
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07		ND (3)	ND (3) R	ND (3)					
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05		ND (1)	ND (1) R	ND (1) R					
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09			ND (1)	ND (1) R	ND (1)					
ACENAPHTHENE	UG/L	T		1.01E+09			ND (1)	ND (1) R	ND (0.49)					
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02		ND (1)	ND (1) R	ND (0.02)					
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02		ND (1)	ND (1) R	ND (0.0098)					
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05		ND (2)	ND (2) R	ND (2) R					
CARBAZOLE	UG/L	T		5.29E+08			ND (1)	ND (1) R	ND (1) R					
CHRYSENE	UG/L	T	9.83E+01		1.18E+02		ND (1)	ND (1) R	ND (0.039)					
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05		ND (1)	ND (1) R	ND (1) R					
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05		ND (2)	ND (2) R	ND (2) R					
FLUORENE	UG/L	T		5.29E+08	8.82E+04		ND (1)	ND (1) R	ND (0.098)					
HEXACHLOROETHYLENE	UG/L	T			8.82E+00		ND (1)	ND (1) R	ND (1) R	ND (1)	ND (1) R	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04		ND (1)	ND (1) R	ND (0.98)					
PHENANTHRENE	UG/L	T			1.18E+04		ND (1)	ND (1) R	ND (0.039)					
1,2,3,4,6,7,8-HPCDD	UG/L	T						ND (0.00000823) U		ND (0.0000174)	ND (0.0000012)	ND (0.00000198)	ND (0.0000085)	
1,2,3,4,6,7,8-HPCDF	UG/L	T						ND (0.00000475) U		ND (0.00000569)	ND (0.00000867)	ND (0.00000977)	ND (0.00000613)	
1,2,3,4,7,8,9-HPCDF	UG/L	T						ND (0.00000816) U		ND (0.00000648)	ND (0.0000104)	ND (0.0000145)	ND (0.00000616)	
1,2,3,4,7,8-HXCDD	UG/L	T						ND (0.00000606) U		ND (0.0000111)	ND (0.0000113)	ND (0.0000185)	ND (0.00000849)	
1,2,3,4,7,8-HXCDF	UG/L	T						ND (0.00000598) U		ND (0.000004)	ND (0.00000351)	ND (0.00000709)	ND (0.00000358)	
1,2,3,6,7,8-HXCDD	UG/L	T						ND (0.00000616) U		ND (0.0000112)	ND (0.0000109)	ND (0.0000186)	ND (0.00000881)	
1,2,3,6,7,8-HXCDF	UG/L	T						ND (0.00000595) U		ND (0.00000365)	ND (0.00000329)	ND (0.00000692)	ND (0.00000362)	
1,2,3,7,8,9-HXCDD	UG/L	T						ND (0.0000057) U		ND (0.0000105)	ND (0.0000104)	ND (0.0000182)	ND (0.00000818)	
1,2,3,7,8,9-HXCDF	UG/L	T						ND (0.00000947) U		ND (0.00000664)	ND (0.00000686)	ND (0.0000106)	ND (0.00000557)	
1,2,3,7,8-PECDF	UG/L	T						ND (0.00000468) U		ND (0.0000118)	ND (0.000011)	ND (0.0000135)	ND (0.00000876)	
2,3,4,6,7,8-HXCDF	UG/L	T						ND (0.00000737) U		ND (0.00000409)	ND (0.00000393)	ND (0.00000739)	ND (0.00000368)	
2,3,4,7,8-PECDF	UG/L	T						ND (0.00000421) U		ND (0.00000983)	ND (0.00000948)	ND (0.0000124)	ND (0.00000692)	
2,3,7,8-TCDD	UG/L	T						ND (0.00000317) U		ND (0.00000704)	ND (0.00000569)	ND (0.00000551)	ND (0.0000069)	
2,3,7,8-TCDF	UG/L	T						ND (0.00000299) U		ND (0.0000153)	ND (0.00000939)	ND (0.00000891)	ND (0.00000409)	
HPCDDs	UG/L	T						ND (0.00000823) U						
HXCDDs	UG/L	T						ND (0.00000596) U		ND (0.0000109)	ND (0.0000108)	ND (0.0000184)	ND (0.0000085)	
HXCDFs	UG/L	T						ND (0.00000701) U		ND (0.00000448)	ND (0.00000423)	ND (0.00000788)	ND (0.00000405)	
OCDD	UG/L	T						0.0000096 J		0.0000101 B	0.00000643 B	ND (0.000193)	0.0000136 B	
OCDF	UG/L	T						ND (0.000011) U		ND (0.0000199)	0.00000241	ND (0.0000526)	0.00000433	
TCDDs	UG/L	T						0.00000825 U*		ND (0.00000704)	ND (0.00000569)	ND (0.00000551)	ND (0.0000132)	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06
			Human Health			Date	5/15/07	8/21/07	11/12/08	6/14/05	7/22/05	8/25/05	9/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
TCDFS	UG/L	T						ND (0.00000299) U		0.00000244	ND (0.00000939)	ND (0.00000891)	ND (0.00000409)
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL HXCDF	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T						ND (0.00000522) U		ND (0.00000895)	ND (0.00000588)	ND (0.00000989)	ND (0.00000596)
TOTAL PECDF	UG/L	T											
TOTAL PECDFS	UG/L	T						ND (0.00000443) U		ND (0.00000292)	ND (0.00000102)	ND (0.00000129)	ND (0.00000778)
PCB 1	UG/L	D							0.00000331 EMPC				
PCB 1	UG/L	T						ND (0.00000106) U					
PCB 10	UG/L	T						ND (0.00000131) U					
PCB 103	UG/L	T						ND (0.00000101) U					
PCB 105	UG/L	T						0.00000374 U*		0.0000275	0.0000114 B	0.0000562	ND (0.00000841)
PCB 109	UG/L	T						ND (0.00000834) U					
PCB 11	UG/L	T						0.00000477 U*					
PCB 110	UG/L	T						0.0000104 U*					
PCB 114	UG/L	T						ND (0.00000109) U		ND (0.0000141)	ND (0.00000514)	ND (0.00000514)	ND (0.00000947)
PCB 117	UG/L	T						ND (0.00000101) U					
PCB 118	UG/L	T						0.00000678 U*					
PCB 123	UG/L	T						ND (0.00000104) U		ND (0.00002)	ND (0.00000694)	ND (0.00000601)	ND (0.0000178)
PCB 130	UG/L	T						ND (0.00000106) U					
PCB 131	UG/L	T						ND (0.00000876) U					
PCB 132	UG/L	T						ND (0.00000871) U					
PCB 133	UG/L	T						ND (0.00000875) U					
PCB 134	UG/L	T						ND (0.00000114) U					
PCB 136	UG/L	T						ND (0.00000708) U					
PCB 137	UG/L	T						ND (0.00000739) U					
PCB 141	UG/L	T						ND (0.00000831) U					
PCB 144	UG/L	T						ND (0.00000919) U					
PCB 146	UG/L	T						ND (0.00000849) U					
PCB 148	UG/L	T						ND (0.00000896) U					
PCB 15	UG/L	T						ND (0.0000026) U					
PCB 150	UG/L	T						ND (0.00000633) U					
PCB 154	UG/L	T						ND (0.00000806) U					
PCB 156	UG/L	T								ND (0.00000411)	ND (0.0000016)	0.000014	ND (0.00000209)
PCB 157	UG/L	T								ND (0.00000425)	ND (0.00000175)	0.00000552	ND (0.00000218)
PCB 158	UG/L	T						ND (0.00000688) U					
PCB 159	UG/L	T						ND (0.00000107) U					
PCB 16	UG/L	T						ND (0.0000023) U					
PCB 160	UG/L	T						ND (0.00000072) U					
PCB 162	UG/L	T						ND (0.00000998) U					
PCB 164	UG/L	T						ND (0.00000619) U					
PCB 167	UG/L	T						ND (0.00000106) U		ND (0.00000422)	ND (0.00000165)	0.00000683	ND (0.00000211)
PCB 169	UG/L	T						ND (0.00000127) U		ND (0.00000499)	0.00000335 B	0.00000488 B	ND (0.00000361)
PCB 17	UG/L	T						ND (0.00000158) U					
PCB 170	UG/L	T						ND (0.00000156) U					
PCB 172	UG/L	T						ND (0.00000155) U					
PCB 174	UG/L	T						ND (0.00000167) U					
PCB 175	UG/L	T						ND (0.00000168) U					
PCB 176	UG/L	T						ND (0.00000569) U					
PCB 177	UG/L	T						ND (0.00000181) U					
PCB 178	UG/L	T						ND (0.00000861) U					
PCB 179	UG/L	T						ND (0.00000709) U					
PCB 183	UG/L	T						ND (0.00000133) U					
PCB 185	UG/L	T						ND (0.00000147) U					
PCB 187	UG/L	T						ND (0.00000156) U					
PCB 189	UG/L	T						ND (0.00000107) U		ND (0.00000222)	ND (0.00000104)	ND (0.00000162)	ND (0.00000186)
PCB 19	UG/L	T						ND (0.00000185) U					

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06
			Human Health			Date	5/15/07	8/21/07	11/12/08	6/14/05	7/22/05	8/25/05	9/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T						ND (0.00000132) U					
PCB 191	UG/L	T						ND (0.0000014) U					
PCB 194	UG/L	T						ND (0.00000151) U					
PCB 195	UG/L	T						ND (0.00000154) U					
PCB 196	UG/L	T						ND (0.00000117) U					
PCB 197	UG/L	T						ND (0.000000842) U					
PCB 2	UG/L	T						ND (0.00000126) U					
PCB 200	UG/L	T						ND (0.00000108) U					
PCB 201	UG/L	T						ND (0.000001) U					
PCB 202	UG/L	T						ND (0.00000104) U					
PCB 203	UG/L	T						ND (0.00000125) U					
PCB 205	UG/L	T						ND (0.00000124) U					
PCB 206	UG/L	T						ND (0.0000039) U					
PCB 207	UG/L	T						ND (0.00000282) U					
PCB 208	UG/L	T						ND (0.00000297) U					
PCB 209	UG/L	T						ND (0.00000124) U					
PCB 22	UG/L	T						ND (0.00000179) U					
PCB 23	UG/L	T						ND (0.00000173) U					
PCB 25	UG/L	T						ND (0.00000159) U					
PCB 27	UG/L	T						ND (0.00000136) U					
PCB 3	UG/L	T						ND (0.00000123) U					
PCB 31	UG/L	T						ND (0.00000145) U					
PCB 32	UG/L	T						ND (0.00000114) U					
PCB 34	UG/L	T						ND (0.00000182) U					
PCB 35	UG/L	T						ND (0.00000189) U					
PCB 37	UG/L	T						ND (0.00000189) U					
PCB 38	UG/L	T						ND (0.00000167) U					
PCB 39	UG/L	T						ND (0.00000167) U					
PCB 4	UG/L	D							0.00000445				
PCB 4	UG/L	T						ND (0.00000247) U					
PCB 41	UG/L	T						ND (0.00000126) U					
PCB 42	UG/L	T						ND (0.00000145) U					
PCB 43	UG/L	T						ND (0.00000173) U					
PCB 45	UG/L	T						ND (0.00000118) U					
PCB 46	UG/L	T						ND (0.00000132) U					
PCB 48	UG/L	T						ND (0.00000112) U					
PCB 5	UG/L	T						ND (0.00000225) U					
PCB 51	UG/L	T						ND (0.00000121) U					
PCB 52	UG/L	T						0.0000118 U*					
PCB 54	UG/L	T						ND (0.0000008) U					
PCB 56	UG/L	T						ND (0.00000111) U					
PCB 57	UG/L	T						ND (0.00000102) U					
PCB 6	UG/L	T						ND (0.00000244) U					
PCB 60	UG/L	T						ND (0.00000098) U					
PCB 63	UG/L	T						ND (0.000000855) U					
PCB 64	UG/L	T						ND (0.000000764) U					
PCB 66	UG/L	T						ND (0.0000011) U					
PCB 67	UG/L	T						ND (0.00000102) U					
PCB 68	UG/L	T						ND (0.000000993) U					
PCB 7	UG/L	T						ND (0.00000216) U					
PCB 72	UG/L	T						ND (0.00000102) U					
PCB 77	UG/L	T						ND (0.00000116) U	ND (0.0000167)	0.00000556 B	0.0000138 B	ND (0.00000329)	
PCB 8	UG/L	T						ND (0.00000243) U					
PCB 82	UG/L	T						ND (0.00000159) U					
PCB 83	UG/L	T						ND (0.00000142) U					
PCB 84	UG/L	T						0.00000309 U*					
PCB 88	UG/L	T						ND (0.00000157) U					
PCB 9	UG/L	T						ND (0.00000242) U					
PCB 91	UG/L	T						ND (0.00000093) U					

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06
			Human Health			Date	5/15/07	8/21/07	11/12/08	6/14/05	7/22/05	8/25/05	9/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T						0.00000186 U*					
PCB 95	UG/L	T						0.00000845 U*					
PCB 96	UG/L	T						ND (0.000000777) U					
PCB 99	UG/L	T						0.0000041 U*					
PCB-106/118	UG/L	T							0.0000441	0.0000167 B	0.000132	ND (0.0000186)	
PCB-107/124	UG/L	T						ND (0.00000102) U					
PCB-108/119/86/97/125/87	UG/L	T						0.00000702 U*					
PCB-113/90/101	UG/L	T						0.0000103 U*					
PCB-116/85	UG/L	T						ND (0.00000108) U					
PCB-128/166	UG/L	T						ND (0.00000116) U					
PCB-13/12	UG/L	T						ND (0.00000245) U					
PCB-139/140	UG/L	T						ND (0.000000835) U					
PCB-147/149	UG/L	T						0.00000386 U*					
PCB-151/135	UG/L	T						ND (0.000000893) U					
PCB-153/168	UG/L	T						0.0000043 U*					
PCB-156/157	UG/L	T						0.0000022 U*					
PCB-163/138/129	UG/L	T						0.00000634 U*					
PCB-171/173	UG/L	T						ND (0.00000168) U					
PCB-180/193	UG/L	D							ND (0.00000116)				
PCB-180/193	UG/L	T						0.00000214 J					
PCB-198/199	UG/L	T						ND (0.00000143) U					
PCB-21/33	UG/L	T						ND (0.00000152) U					
PCB-26/29	UG/L	T						ND (0.00000163) U					
PCB-28/20	UG/L	T						ND (0.00000175) U					
PCB-30/18	UG/L	T						0.00000295 J					
PCB-44/47/65	UG/L	T						0.00000512 U*					
PCB-50/53	UG/L	T						ND (0.00000114) U					
PCB-59/62/75	UG/L	T						ND (0.000000874) U					
PCB-61/70/74/76	UG/L	T						0.00000711 U*					
PCB-69/49	UG/L	T						0.00000253 U*					
PCB-71/40	UG/L	T						ND (0.00000124) U					
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T							ND (0.00005)	ND (0.0000486)	ND (0.0000253)	ND (0.0000255)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.00000477 U*	ND (0.00005)	ND (0.0000486)	0.000637	ND (0.000051)	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D							ND (0.00000141)				
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.00000214 J	ND (0.00005)	ND (0.0000486)	0.000188	ND (0.0000255)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000167 U*	ND (0.00005)	ND (0.0000486)	0.000313	ND (0.0000255)	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T						ND (0.00000114) U	ND (0.000025)	ND (0.0000243)	0.0000553 B	ND (0.0000255)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T						ND (0.00000343) U	ND (0.00005)	ND (0.0000486)	ND (0.0000253)	ND (0.0000255)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T						ND (0.00000114) U	ND (0.00005)	ND (0.0000486)	0.000101	ND (0.0000255)	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02				0.00292	0.000389 B	0.00329		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000557 U*	0.000264	0.0000545 B	0.000602	ND (0.0000255)	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000266 U*	0.0018	0.000273 B	0.000762	ND (0.0000255)	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.00000295 J	0.000859	0.0000579 B	0.000636	ND (0.0000255)	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06			ND (80.2)	ND (80.2)				
ALUMINUM	UG/L	T				459		117 J	1220				
ANTIMONY	UG/L	D		1.58E+08	8.82E+05			ND (9.7)	ND (9.7)				
ANTIMONY	UG/L	T				ND (9.7)		ND (9.7)	ND (9.7)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06			ND (0.7)	ND (0.95)				
ARSENIC	UG/L	T				ND (0.67)		ND (0.7)	ND (0.95)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
BARIUM	UG/L	D		7.90E+10	1.18E+05			18.5	14.5				
BARIUM	UG/L	T				40.2		29.7	198				
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04			ND (0.9)	ND (0.9)				
BERYLLIUM	UG/L	T				ND (0.94)		ND (0.9)	ND (0.9)				
CADMIUM	UG/L	D		1.98E+08	2.65E+04			ND (0.9)	ND (40)				
CADMIUM	UG/L	T				ND (4.6)		7.4 J	ND (40)				
CALCIUM	UG/L	D						140000	147000				
CALCIUM	UG/L	T				204000		170000	189000				
CHROMIUM	UG/L	D			4.76E+06			4.6 J	ND (3)				
CHROMIUM	UG/L	T				5.1 B		6.9 J	ND (3)				

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06
			Human Health				5/15/07	8/21/07	11/12/08	6/14/05	7/22/05	8/25/05	9/21/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	
COBALT	UG/L	D		1.41E+08	6.76E+05		336	443					
COBALT	UG/L	T				494	391	594					
COPPER	UG/L	D		1.58E+10	2.68E+05		ND (2.2)	ND (2.7)					
COPPER	UG/L	T				ND (2.2)	ND (2.2)	ND (2.7)					
FERROUS IRON	UG/L	T				772000 J	398000 B	763000 B					
IRON	UG/L	D		2.77E+11	2.94E+07		357000	468000					
IRON	UG/L	T				513000	417000	665000					
LEAD	UG/L	D			4.71E+05		0.35 J	0.2 B					
LEAD	UG/L	T				1.3	0.46 J	1.9	ND (8.4)			ND (8.4)	
MAGNESIUM	UG/L	D					31200	36300					
MAGNESIUM	UG/L	T				45200	35800	46200					
MANGANESE	UG/L	D		5.53E+10	3.38E+07		11500	15200					
MANGANESE	UG/L	T				16900	13400	20300	272	212	175	246	
MERCURY	UG/L	D		1.19E+08	3.53E+02		ND (0.056)	ND (0.28)					
MERCURY	UG/L	T				ND (0.056) UJ	ND (0.056)	ND (0.28)					
NICKEL	UG/L	D		1.00E+10	3.59E+06		247	327					
NICKEL	UG/L	T				363	289	442					
POTASSIUM	UG/L	D					2560	2720					
POTASSIUM	UG/L	T				3330	2830	3210					
SELENIUM	UG/L	D		1.98E+09	1.47E+05		19 J	16 J					
SELENIUM	UG/L	T				ND (9.4)	20.7	25.5 J					
SILVER	UG/L	D		2.21E+09	2.65E+05		4 J	5.2					
SILVER	UG/L	T				7	4.5 J	7.4					
SODIUM	UG/L	D					12100	13000					
SODIUM	UG/L	T				15700	13100	13800					
THALLIUM	UG/L	D		3.95E+06	1.18E+06		ND (0.037)	ND (0.15)					
THALLIUM	UG/L	T				ND (0.037)	ND (0.037)	ND (0.15)	ND (10)	ND (10)	ND (10)	ND (10)	
TITANIUM	UG/L	D					ND (2.8)	ND (3.8)					
TITANIUM	UG/L	T				20.4	ND (2.8)	40.6					
VANADIUM	UG/L	D		2.77E+07	5.88E+05		25.8	34.4					
VANADIUM	UG/L	T				15.7	30.7	69					
ZINC	UG/L	D		1.33E+11	2.41E+06		186	229					
ZINC	UG/L	T				302	219	565					
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				32100 J	30800	4900					
AMMONIA	UG/L	T		1.34E+13		390 J	ND (200)	220 J					
CHLORIDE	UG/L	T				181000	169000	149000					
CYANIDE	UG/L	T		8.45E+09	1.53E+05		ND (5) UJ	ND (5) UJ					
FERRIC IRON	UG/L	T				ND (8000)	ND (20000)	ND (40000)					
NITRATE	UG/L	T		6.32E+11		ND (40)	ND (40)	ND (40)					
NITRITE	UG/L	T		3.95E+10		280 J	120 J	330 J					
PHOSPHORUS	UG/L	T				ND (250)	ND (250)	ND (250) UJ					
SILICA	UG/L	T				34100	32900	34300					
SULFATE	UG/L	T				1200000	1020000	1570000					
SULFIDE	UG/L	T				ND (54)	ND (54)	ND (54)					
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T						662000					
TOTAL ORGANIC CARBON	UG/L	T				1100 J	1300 J	940 J					
TOTAL SUSPENDED SOLIDS	UG/L	T				16800 B	15200	186000					
COLOR QUALITATIVE (FIELD)	NS	T					clr	Clear	clear	lt tan	lt tan	orangish brown	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T					220	670	400	70	270	880	
ODOR (FIELD)	NS	T					no	No	none	none none none			
OVABZONE	PPM	T					NR		NR	NR		NR	
OVACASING	PPM	T					NR		NR	NR		NR	
REDOX (FIELD)	MV	T								N/A	NR		
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T						low					
HPCDFS	UG/L	T					ND (0.00000622) U		ND (0.00000604)	ND (0.00000944)	ND (0.0000012)	ND (0.00000613)	
TOTAL HPCDDS	UG/L	T							ND (0.0000174)	ND (0.0000012)	ND (0.0000198)	ND (0.0000085)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
			Human Health			Date	10/11/05	11/15/05	12/21/05	1/19/06	2/15/06	3/21/06	4/11/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04								
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								
ACETONE	UG/L	T		4.08E+11	4.41E+07								
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								
ETHYL CHLORIDE	UG/L	T											
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								
TOLUENE	UG/L	T		3.52E+09	5.88E+04								
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								
XYLENES	UG/L	T		5.98E+09	3.82E+05								
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									
ACENAPHTHENE	UG/L	T		1.01E+09									
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								
CARBAZOLE	UG/L	T		5.29E+08									
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								
FLUORENE	UG/L	T		5.29E+08	8.82E+04								
HEXACHLOROETHYLENE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								
PHENANTHRENE	UG/L	T			1.18E+04								
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.00000123)	ND (0.00000128)	0.00000718	ND (0.00000155)	ND (0.00000118)	ND (0.00000177)	ND (0.000000999)	ND (0.000000999)
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.000000585)	ND (0.000000686)	0.00000156	ND (0.000000508)	ND (0.00000137)	ND (0.000000582)	0.000000306	0.000000306
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.000000709)	ND (0.000000796)	ND (0.000000781)	ND (0.000000489)	ND (0.00000131)	ND (0.000000687)	ND (0.000000144)	ND (0.000000144)
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000183)	ND (0.00000128)	ND (0.000000981)	ND (0.00000109)	ND (0.00000171)	ND (0.000000868)	ND (0.000000187)	ND (0.000000187)
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.000000397)	ND (0.000000464)	ND (0.000000676)	ND (0.000000235)	ND (0.000000603)	ND (0.000000275)	ND (0.000000113)	ND (0.000000113)
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000168)	ND (0.00000128)	ND (0.000000992)	ND (0.00000114)	ND (0.00000182)	ND (0.000000907)	ND (0.00000002)	ND (0.00000002)
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000362)	ND (0.000000448)	ND (0.000000709)	ND (0.00000023)	ND (0.000000608)	ND (0.00000028)	ND (0.000000102)	ND (0.000000102)
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000165)	ND (0.00000121)	ND (0.000000964)	ND (0.00000108)	ND (0.00000171)	ND (0.000000858)	ND (0.000000196)	ND (0.000000196)
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.000000623)	ND (0.00000076)	ND (0.00000133)	ND (0.000000342)	ND (0.00000102)	ND (0.000000433)	ND (0.000000149)	ND (0.000000149)
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000099)	ND (0.0000012)	ND (0.000000936)	ND (0.00000125)	ND (0.00000263)	ND (0.000000599)	ND (0.000000173)	ND (0.000000173)
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000409)	ND (0.00000005)	ND (0.000000811)	ND (0.000000236)	ND (0.000000611)	ND (0.000000278)	ND (0.000000111)	ND (0.000000111)
2,3,4,7,8-PECDF	UG/L	T				ND (0.000000807)	ND (0.000000982)	ND (0.000000838)	ND (0.0000011)	ND (0.00000247)	ND (0.000000533)	ND (0.000000168)	ND (0.000000168)
2,3,7,8-TCDD	UG/L	T				ND (0.00000119)	ND (0.000000997)	ND (0.00000105)	ND (0.00000117)	ND (0.00000114)	ND (0.000000538)	ND (0.000000222)	ND (0.000000222)
2,3,7,8-TCDF	UG/L	T				ND (0.000000666)	ND (0.000000599)	ND (0.00000043)	ND (0.000000712)	ND (0.00000164)	ND (0.000000336)	ND (0.000000215)	ND (0.000000215)
HPCDDS	UG/L	T											
HXCDDS	UG/L	T				ND (0.00000172)	ND (0.00000126)	ND (0.000000979)	ND (0.0000011)	ND (0.00000175)	ND (0.000000879)	ND (0.000000194)	ND (0.000000194)
HXCDFS	UG/L	T				ND (0.000000434)	ND (0.000000532)	ND (0.000000863)	ND (0.000000258)	ND (0.000000703)	ND (0.000000031)	ND (0.000000119)	ND (0.000000119)
OCDD	UG/L	T				ND (0.00000564)	0.00000694	0.0000503	0.0000047 B	ND (0.00000444)	0.00000851	0.0000105 B	0.0000105 B
OCDF	UG/L	T				ND (0.00000223)	ND (0.00000194)	0.00000824	0.000002	ND (0.0000028)	ND (0.0000038)	0.00000192 B	0.00000192 B
TCDDS	UG/L	T				ND (0.00000119)	ND (0.000000997)	ND (0.00000105)	ND (0.00000117)	ND (0.00000114)	ND (0.000000538)	ND (0.000000222)	ND (0.000000222)

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06		
			Human Health				Duplicate	10/11/05	11/15/05	12/21/05	1/19/06	2/15/06	3/21/06	4/11/06	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.000000666)	ND (0.000000599)	ND (0.00000043)	ND (0.000000712)	ND (0.00000164)	ND (0.000000336)	ND (0.000000215)			
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T				ND (0.000000933)	ND (0.000000828)	ND (0.000000682)	ND (0.000000965)	ND (0.00000302)	ND (0.000001)	ND (0.000000178)			
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T				ND (0.000000895)	ND (0.00000108)	ND (0.000000886)	ND (0.00000117)	ND (0.00000255)	ND (0.000000565)	ND (0.00000017)			
PCB 1	UG/L	D													
PCB 1	UG/L	T													
PCB 10	UG/L	T													
PCB 103	UG/L	T													
PCB 105	UG/L	T				ND (0.00000998)	ND (0.00000965)	ND (0.00000932)	ND (0.0000126)	ND (0.0000183)	ND (0.00000989)	ND (0.00000552)			
PCB 109	UG/L	T													
PCB 11	UG/L	T													
PCB 110	UG/L	T													
PCB 114	UG/L	T				ND (0.000013)	ND (0.00000991)	ND (0.0000103)	ND (0.000014)	ND (0.0000206)	ND (0.0000131)	ND (0.00000718)			
PCB 117	UG/L	T													
PCB 118	UG/L	T													
PCB 123	UG/L	T				ND (0.00000856)	ND (0.000012)	ND (0.0000119)	ND (0.0000134)	ND (0.0000184)	ND (0.0000125)	ND (0.0000089)			
PCB 130	UG/L	T													
PCB 131	UG/L	T													
PCB 132	UG/L	T													
PCB 133	UG/L	T													
PCB 134	UG/L	T													
PCB 136	UG/L	T													
PCB 137	UG/L	T													
PCB 141	UG/L	T													
PCB 144	UG/L	T													
PCB 146	UG/L	T													
PCB 148	UG/L	T													
PCB 15	UG/L	T													
PCB 150	UG/L	T													
PCB 154	UG/L	T													
PCB 156	UG/L	T				ND (0.00000222)	ND (0.00000333)	ND (0.00000514)	ND (0.00000257)	ND (0.00000793)	ND (0.0000249)	ND (0.00000369)			
PCB 157	UG/L	T				ND (0.00000226)	ND (0.00000355)	ND (0.00000588)	ND (0.00000265)	ND (0.00000851)	ND (0.00000224)	ND (0.00000461)			
PCB 158	UG/L	T													
PCB 159	UG/L	T													
PCB 16	UG/L	T													
PCB 160	UG/L	T													
PCB 162	UG/L	T													
PCB 164	UG/L	T													
PCB 167	UG/L	T				ND (0.00000211)	ND (0.00000343)	ND (0.0000055)	ND (0.00000266)	ND (0.00000831)	ND (0.00000213)	ND (0.00000459)			
PCB 169	UG/L	T				0.00000444 B	0.00000428 B	ND (0.00000755)	0.00000339	ND (0.00000936)	ND (0.0000249)	ND (0.0000104)			
PCB 17	UG/L	T													
PCB 170	UG/L	T													
PCB 172	UG/L	T													
PCB 174	UG/L	T													
PCB 175	UG/L	T													
PCB 176	UG/L	T													
PCB 177	UG/L	T													
PCB 178	UG/L	T													
PCB 179	UG/L	T													
PCB 183	UG/L	T													
PCB 185	UG/L	T													
PCB 187	UG/L	T													
PCB 189	UG/L	T				ND (0.00000209)	ND (0.00000163)	ND (0.00000354)	ND (0.00000124)	ND (0.00000224)	ND (0.000001)	ND (0.00000105)			
PCB 19	UG/L	T													

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
			Human Health			Date	10/11/05	11/15/05	12/21/05	1/19/06	2/15/06	3/21/06	4/11/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T											
PCB 191	UG/L	T											
PCB 194	UG/L	T											
PCB 195	UG/L	T											
PCB 196	UG/L	T											
PCB 197	UG/L	T											
PCB 2	UG/L	T											
PCB 200	UG/L	T											
PCB 201	UG/L	T											
PCB 202	UG/L	T											
PCB 203	UG/L	T											
PCB 205	UG/L	T											
PCB 206	UG/L	T											
PCB 207	UG/L	T											
PCB 208	UG/L	T											
PCB 209	UG/L	T											
PCB 22	UG/L	T											
PCB 23	UG/L	T											
PCB 25	UG/L	T											
PCB 27	UG/L	T											
PCB 3	UG/L	T											
PCB 31	UG/L	T											
PCB 32	UG/L	T											
PCB 34	UG/L	T											
PCB 35	UG/L	T											
PCB 37	UG/L	T											
PCB 38	UG/L	T											
PCB 39	UG/L	T											
PCB 4	UG/L	D											
PCB 4	UG/L	T											
PCB 41	UG/L	T											
PCB 42	UG/L	T											
PCB 43	UG/L	T											
PCB 45	UG/L	T											
PCB 46	UG/L	T											
PCB 48	UG/L	T											
PCB 5	UG/L	T											
PCB 51	UG/L	T											
PCB 52	UG/L	T											
PCB 54	UG/L	T											
PCB 56	UG/L	T											
PCB 57	UG/L	T											
PCB 6	UG/L	T											
PCB 60	UG/L	T											
PCB 63	UG/L	T											
PCB 64	UG/L	T											
PCB 66	UG/L	T											
PCB 67	UG/L	T											
PCB 68	UG/L	T											
PCB 7	UG/L	T											
PCB 72	UG/L	T											
PCB 77	UG/L	T					0.00000276 B	ND (0.00000427)	ND (0.00000602)	0.00000439 B	ND (0.00000483)	ND (0.0000249)	ND (0.00000442)
PCB 8	UG/L	T											
PCB 82	UG/L	T											
PCB 83	UG/L	T											
PCB 84	UG/L	T											
PCB 88	UG/L	T											
PCB 9	UG/L	T											
PCB 91	UG/L	T											

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	
			Human Health				10/11/05	11/15/05	12/21/05	1/19/06	2/15/06	3/21/06	4/11/06	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS				
PCB 92	UG/L	T												
PCB 95	UG/L	T												
PCB 96	UG/L	T												
PCB 99	UG/L	T												
PCB-106/118	UG/L	T				ND (0.0000904)	ND (0.0000138)	0.0000195	ND (0.0000136)	ND (0.0000193)	ND (0.0000249)	ND (0.0000898)		
PCB-107/124	UG/L	T												
PCB-108/119/86/97/125/87	UG/L	T												
PCB-113/90/101	UG/L	T												
PCB-116/85	UG/L	T												
PCB-128/166	UG/L	T												
PCB-13/12	UG/L	T												
PCB-139/140	UG/L	T												
PCB-147/149	UG/L	T												
PCB-151/135	UG/L	T												
PCB-153/168	UG/L	T												
PCB-156/157	UG/L	T												
PCB-163/138/129	UG/L	T												
PCB-171/173	UG/L	T												
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T												
PCB-198/199	UG/L	T												
PCB-21/33	UG/L	T												
PCB-26/29	UG/L	T												
PCB-28/20	UG/L	T												
PCB-30/18	UG/L	T												
PCB-44/47/65	UG/L	T												
PCB-50/53	UG/L	T												
PCB-59/62/75	UG/L	T												
PCB-61/70/74/76	UG/L	T												
PCB-69/49	UG/L	T												
PCB-71/40	UG/L	T												
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000518)	ND (0.0000491)	ND (0.0000527)	ND (0.0000499)	ND (0.0000487)	ND (0.0000498)			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	0.0000513			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02	0.00000719 B	0.00000428 B	0.000101	0.00000777 B		0.00023 B			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	ND (0.0000264)	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	0.0000543	ND (0.000025)	ND (0.0000243)	0.000157 B			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000259)	ND (0.0000246)	0.0000276	ND (0.000025)	ND (0.0000243)	ND (0.0000249)			
ALUMINUM	UG/L	D		3.95E+11	2.56E+06									
ALUMINUM	UG/L	T												
ANTIMONY	UG/L	D		1.58E+08	8.82E+05									
ANTIMONY	UG/L	T				ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06									
ARSENIC	UG/L	T				ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	
BARIUM	UG/L	D		7.90E+10	1.18E+05									
BARIUM	UG/L	T												
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04									
BERYLLIUM	UG/L	T												
CADMIUM	UG/L	D		1.98E+08	2.65E+04									
CADMIUM	UG/L	T												
CALCIUM	UG/L	D												
CALCIUM	UG/L	T												
CHROMIUM	UG/L	D			4.76E+06									
CHROMIUM	UG/L	T												

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06
			Human Health			Date	10/11/05	11/15/05	12/21/05	1/19/06	2/15/06	3/21/06	4/11/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05								
COBALT	UG/L	T											
COPPER	UG/L	D		1.58E+10	2.68E+05								
COPPER	UG/L	T											
FERROUS IRON	UG/L	T											
IRON	UG/L	D		2.77E+11	2.94E+07								
IRON	UG/L	T						39900	8890 J	15200	9120 J	8580 J	
LEAD	UG/L	D			4.71E+05								
LEAD	UG/L	T											
MAGNESIUM	UG/L	D											
MAGNESIUM	UG/L	T											
MANGANESE	UG/L	D		5.53E+10	3.38E+07								
MANGANESE	UG/L	T				138	162	239	135	156	131	133	
MERCURY	UG/L	D		1.19E+08	3.53E+02								
MERCURY	UG/L	T											
NICKEL	UG/L	D		1.00E+10	3.59E+06								
NICKEL	UG/L	T											
POTASSIUM	UG/L	D											
POTASSIUM	UG/L	T											
SELENIUM	UG/L	D		1.98E+09	1.47E+05								
SELENIUM	UG/L	T											
SILVER	UG/L	D		2.21E+09	2.65E+05								
SILVER	UG/L	T											
SODIUM	UG/L	D											
SODIUM	UG/L	T											
THALLIUM	UG/L	D		3.95E+06	1.18E+06								
THALLIUM	UG/L	T				ND (10)	ND (10)	ND (10)	13.7 B	ND (10)	ND (10)	ND (10)	
TITANIUM	UG/L	D											
TITANIUM	UG/L	T											
VANADIUM	UG/L	D		2.77E+07	5.88E+05								
VANADIUM	UG/L	T											
ZINC	UG/L	D		1.33E+11	2.41E+06								
ZINC	UG/L	T											
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											
AMMONIA	UG/L	T		1.34E+13									
CHLORIDE	UG/L	T											
CYANIDE	UG/L	T		8.45E+09	1.53E+05								
FERRIC IRON	UG/L	T											
NITRATE	UG/L	T		6.32E+11									
NITRITE	UG/L	T		3.95E+10									
PHOSPHORUS	UG/L	T											
SILICA	UG/L	T											
SULFATE	UG/L	T											
SULFIDE	UG/L	T											
TOTAL DISSOLVED SOLIDS	UG/L	T								78500 J	82000 J	77000	
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T						ND (1000)	1800 B	1100 J	ND (1000)	ND (1000)	
TOTAL SUSPENDED SOLIDS	UG/L	T						433000	34400	82800	28000	12800	
COLOR QUALITATIVE (FIELD)	NS	T				tan	brown	clr	clear	clear	clear	clear	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				0	0	0	50	0	0	320	
ODOR (FIELD)	NS	T				none	none	none	none	none	none	none	
OVABZONE	PPM	T				NR	NR	NR	NR	NR	NR	NR	
OVACASING	PPM	T				NR	NR	NR	NR	NR	NR	NR	
REDOX (FIELD)	MV	T				NR	NR		NR				
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				ND (0.00000639)	ND (0.00000735)	0.00000598	ND (0.00000499)	ND (0.00000134)	ND (0.00000631)	0.00000306	
TOTAL HPCDDS	UG/L	T				ND (0.00000123)	ND (0.00000128)	0.0000132	ND (0.00000155)	ND (0.00000118)	ND (0.00000177)	0.00000194 B	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-06	MW-06	MW-06	MW-06	MW-07	MW-07	MW-07	
			Human Health				5/16/06	5/16/07	8/21/07	11/13/08	6/14/05	7/22/05	8/24/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS				
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05			ND (0.8)	ND (0.8)	ND (0.8)				
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06			ND (1)	ND (1)	ND (1)				
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05			ND (0.8)	ND (0.8)	ND (0.8)				
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04			ND (1)	ND (0.9)	ND (1)				
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05			ND (1)	ND (0.9)	ND (1)				
ACETONE	UG/L	T		4.08E+11	4.41E+07			ND (6)	ND (6)	ND (6)				
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07			ND (0.5)	ND (0.5)	ND (0.5)				
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04			ND (1)	ND (1)	ND (1)				
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04			ND (0.8)	ND (0.8)	ND (0.8)				
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04			ND (0.8)	ND (0.8)	ND (0.8)				
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05			ND (0.8)	ND (0.8)	ND (0.8)				
ETHYL CHLORIDE	UG/L	T						ND (1)	ND (1)	ND (1)				
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06			ND (0.8)	ND (0.8)	ND (0.8)				
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06			ND (1)	ND (1)	ND (1)				
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08			ND (3)	ND (3)	ND (3)				
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06			ND (2)	ND (2)	ND (2)				
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06			ND (0.8)	ND (0.8)	ND (0.8)				
TOLUENE	UG/L	T		3.52E+09	5.88E+04			ND (0.7)	ND (0.7)	ND (0.7)				
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05			ND (0.8)	ND (0.8)	ND (0.8)				
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05			ND (1)	ND (1)	ND (1)				
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07			ND (1)	ND (1)	ND (1)				
XYLENES	UG/L	T		5.98E+09	3.82E+05			ND (0.8)	ND (0.8)	ND (0.8)				
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07			ND (3)	ND (3)	ND (3)				
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05			ND (1)	ND (0.9)	ND (1)				
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09				ND (1)	ND (0.9)	ND (1)				
ACENAPHTHENE	UG/L	T		1.01E+09				ND (1)	ND (0.9)	ND (0.5)				
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02			ND (1)	ND (0.9)	ND (0.02)				
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02			ND (1)	ND (0.9)	ND (0.01)				
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05			ND (2)	ND (2)	ND (2)				
CARBAZOLE	UG/L	T		5.29E+08				ND (1)	ND (0.9)	ND (1)				
CHRYSENE	UG/L	T	9.83E+01		1.18E+02			ND (1)	ND (0.9)	ND (0.04)				
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05			ND (1)	ND (0.9)	ND (1)				
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05			ND (2)	ND (2)	ND (2)				
FLUORENE	UG/L	T		5.29E+08	8.82E+04			ND (1)	ND (0.9)	ND (0.1)				
HEXACHLOROETHYLENE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (0.9)	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04			ND (1)	ND (0.9)	ND (1)				
PHENANTHRENE	UG/L	T			1.18E+04			ND (1)	ND (0.9)	ND (0.04)				
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.00000265)	ND (0.00000128)	ND (0.00000104) U		ND (0.00000135)	ND (0.00000128)	ND (0.00000204)		
1,2,3,4,6,7,8-HPCDF	UG/L	T				0.000007	ND (0.00000654)	ND (0.00000282) U		ND (0.00000661)	ND (0.00000671)	ND (0.00000104)		
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000201)	ND (0.00000938)	ND (0.00000484) U		ND (0.00000737)	ND (0.00000797)	ND (0.00000153)		
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000181)	ND (0.0000011)	ND (0.00000198) U		ND (0.00000146)	ND (0.00000117)	ND (0.00000144)		
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.00000175)	ND (0.00000094)	ND (0.00000239) U		ND (0.00000405)	ND (0.00000433)	ND (0.00000502)		
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000189)	ND (0.00000108)	ND (0.00000221) U		ND (0.0000015)	ND (0.00000119)	ND (0.00000147)		
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000146)	ND (0.00000898)	ND (0.00000281) U		ND (0.00000402)	ND (0.00000413)	ND (0.00000478)		
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000187)	ND (0.00000124)	ND (0.00000193) U		ND (0.0000014)	ND (0.00000112)	ND (0.00000143)		
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.0000024)	ND (0.0000015)	ND (0.00000437) U		ND (0.00000724)	ND (0.00000852)	ND (0.00000756)		
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000253)	ND (0.00000929)	ND (0.00000107) U		ND (0.00000112)	ND (0.0000012)	ND (0.00000795)		
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000183)	ND (0.00000104)	ND (0.00000342) U		ND (0.00000442)	ND (0.00000485)	ND (0.00000523)		
2,3,4,7,8-PECDF	UG/L	T				ND (0.0000023)	ND (0.00000863)	ND (0.00000962) U		0.00000121	ND (0.00000105)	ND (0.00000665)		
2,3,7,8-TCDD	UG/L	T				ND (0.00000196)	ND (0.00000288)	ND (0.00000554) U		ND (0.00000648)	ND (0.00000876)	ND (0.00000567)		
2,3,7,8-TCDF	UG/L	T				ND (0.00000213)	ND (0.00000292)	ND (0.00000465) U		ND (0.00000938)	ND (0.00000931)	ND (0.00000829)		
HPCDDS	UG/L	T					ND (0.00000128)	ND (0.00000104) U						
HXCDDS	UG/L	T				ND (0.00000186)	ND (0.00000114)	ND (0.00000204) U		ND (0.00000146)	ND (0.00000116)	ND (0.00000145)		
HXCDFS	UG/L	T				ND (0.00000186)	ND (0.00000106)	ND (0.00000314) U		ND (0.0000048)	ND (0.00000525)	ND (0.00000554)		
OCDD	UG/L	T				ND (0.00000233)	0.000011 J	ND (0.00000355) U		0.00000997 B	ND (0.00000275)	ND (0.0000106)		
OCDF	UG/L	T				ND (0.00000152)	ND (0.00000231)	ND (0.00000106) U		ND (0.000002)	ND (0.00000145)	ND (0.00000425)		
TCDDS	UG/L	T				ND (0.00000196)	0.000000716	0.000000994 U*		ND (0.00000648)	ND (0.00000876)	ND (0.00000567)		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-06	MW-06	MW-06	MW-06	MW-07	MW-07	MW-07		
			Human Health				Duplicate	5/16/06	5/16/07	8/21/07	11/13/08	6/14/05	7/22/05	8/24/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.00000213)	ND (0.000000292)	ND (0.000000465) U		0.000013	ND (0.000000931)	ND (0.000000829)			
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T				ND (0.00000234)	ND (0.000000672)	ND (0.00000174) U		ND (0.000000646)	ND (0.000000655)	ND (0.000000648)			
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T				ND (0.00000242)	ND (0.000000895)	ND (0.00000102) U		0.00000693	ND (0.00000112)	ND (0.000000727)			
PCB 1	UG/L	D							ND (0.00000215)						
PCB 1	UG/L	T					ND (0.0000259)	ND (0.00000107) U							
PCB 10	UG/L	T					ND (0.00000237)	ND (0.00000132) U							
PCB 103	UG/L	T					ND (0.00000136)	ND (0.00000117) U							
PCB 105	UG/L	T				ND (0.0000154)	0.00000439 B	ND (0.00000122) U		0.0000568	0.000015 B	ND (0.00000854)			
PCB 109	UG/L	T					0.00000449 B	ND (0.000000963) U							
PCB 11	UG/L	T					0.0000341 B	0.00000429 U*							
PCB 110	UG/L	T					0.0000152 B	0.00000499 U*							
PCB 114	UG/L	T				ND (0.0000183)	ND (0.00000139)	ND (0.00000122) U		ND (0.0000122)	ND (0.000007)	ND (0.00000872)			
PCB 117	UG/L	T					ND (0.00000138)	ND (0.00000117) U							
PCB 118	UG/L	T					0.00000824 B	0.00000346 U*							
PCB 123	UG/L	T				ND (0.0000143)	ND (0.0000014)	ND (0.0000012) U		ND (0.0000226)	ND (0.00000744)	ND (0.0000108)			
PCB 130	UG/L	T					0.00000991 B	ND (0.00000129) U							
PCB 131	UG/L	T					ND (0.00000156)	ND (0.00000107) U							
PCB 132	UG/L	T					ND (0.00000154)	ND (0.00000107) U							
PCB 133	UG/L	T					0.00000437 B	ND (0.00000107) U							
PCB 134	UG/L	T					ND (0.00000206)	ND (0.0000014) U							
PCB 136	UG/L	T					ND (0.00000123)	ND (0.000000843) U							
PCB 137	UG/L	T					ND (0.0000014)	ND (0.000000906) U							
PCB 141	UG/L	T					ND (0.00000151)	ND (0.00000102) U							
PCB 144	UG/L	T					ND (0.00000168)	ND (0.00000113) U							
PCB 146	UG/L	T					0.0000162 B	ND (0.00000104) U							
PCB 148	UG/L	T					ND (0.00000157)	ND (0.0000011) U							
PCB 15	UG/L	T					ND (0.00000749)	ND (0.00000272) U							
PCB 150	UG/L	T					ND (0.00000111)	ND (0.000000753) U							
PCB 154	UG/L	T					ND (0.00000145)	ND (0.000000987) U							
PCB 156	UG/L	T				ND (0.0000117)				ND (0.00000645)	ND (0.00000197)	ND (0.00000225)			
PCB 157	UG/L	T				ND (0.000012)				ND (0.00000625)	ND (0.00000214)	ND (0.00000221)			
PCB 158	UG/L	T					ND (0.00000129)	ND (0.000000844) U							
PCB 159	UG/L	T					ND (0.00000162)	ND (0.00000117) U							
PCB 16	UG/L	T					0.0000036 B	ND (0.00000215) U							
PCB 160	UG/L	T					ND (0.00000141)	ND (0.000000882) U							
PCB 162	UG/L	T					0.0000024 EMPC	ND (0.00000109) U							
PCB 164	UG/L	T					ND (0.00000119)	ND (0.000000759) U							
PCB 167	UG/L	T				ND (0.0000116)	0.00000368 B	ND (0.00000116) U		ND (0.00000617)	ND (0.00000213)	ND (0.00000221)			
PCB 169	UG/L	T				ND (0.0000153)	ND (0.00000176)	ND (0.00000132) U		ND (0.00000716)	0.00000416 B	0.000003 B			
PCB 17	UG/L	T					0.00000392 B	ND (0.00000148) U							
PCB 170	UG/L	T					ND (0.0000022)	ND (0.00000145) U							
PCB 172	UG/L	T					ND (0.00000219)	ND (0.00000142) U							
PCB 174	UG/L	T					ND (0.00000226)	ND (0.00000153) U							
PCB 175	UG/L	T					ND (0.00000221)	ND (0.00000154) U							
PCB 176	UG/L	T					ND (0.00000088)	ND (0.000000616) U							
PCB 177	UG/L	T					ND (0.00000238)	ND (0.00000167) U							
PCB 178	UG/L	T					ND (0.00000132)	ND (0.000000932) U							
PCB 179	UG/L	T					ND (0.00000111)	ND (0.000000767) U							
PCB 183	UG/L	T					ND (0.00000174)	ND (0.00000122) U							
PCB 185	UG/L	T					ND (0.00000188)	ND (0.00000135) U							
PCB 187	UG/L	T					ND (0.0000021)	ND (0.00000144) U							
PCB 189	UG/L	T				ND (0.00000423)	ND (0.00000152)	ND (0.000000903) U		ND (0.00000246)	ND (0.000000763)	ND (0.00000104)			
PCB 19	UG/L	T					ND (0.00000253)	ND (0.00000174) U							

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-06	MW-06	MW-06	MW-06	MW-07	MW-07	MW-07		
			Human Health				Duplicate	5/16/06	5/16/07	8/21/07	11/13/08	6/14/05	7/22/05	8/24/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
PCB 190	UG/L	T				FS	ND (0.00000191)	ND (0.00000122) U							
PCB 191	UG/L	T					ND (0.00000192)	ND (0.00000128) U							
PCB 194	UG/L	T					ND (0.00000198)	ND (0.00000135) U							
PCB 195	UG/L	T					ND (0.00000196)	ND (0.00000138) U							
PCB 196	UG/L	T					ND (0.00000144)	ND (0.00000116) U							
PCB 197	UG/L	T					ND (0.00000102)	ND (0.000000834) U							
PCB 2	UG/L	T					0.00000563	ND (0.00000125) U							
PCB 200	UG/L	T					ND (0.00000132)	ND (0.00000107) U							
PCB 201	UG/L	T					ND (0.0000012)	ND (0.000000991) U							
PCB 202	UG/L	T					ND (0.00000114)	ND (0.00000103) U							
PCB 203	UG/L	T					ND (0.00000156)	ND (0.00000123) U							
PCB 205	UG/L	T					ND (0.00000172)	ND (0.00000111) U							
PCB 206	UG/L	T					ND (0.00000273)	ND (0.00000358) U							
PCB 207	UG/L	T					ND (0.00000177)	ND (0.00000242) U							
PCB 208	UG/L	T					ND (0.00000192)	ND (0.00000254) U							
PCB 209	UG/L	T					0.00000219 EMPCJ	ND (0.00000109) U							
PCB 22	UG/L	T					0.00000231 B	ND (0.00000204) U							
PCB 23	UG/L	T					ND (0.00000166)	ND (0.00000196) U							
PCB 25	UG/L	T					ND (0.00000157)	ND (0.0000018) U							
PCB 27	UG/L	T					ND (0.00000196)	ND (0.00000128) U							
PCB 3	UG/L	T					0.0000046 B	ND (0.00000121) U							
PCB 31	UG/L	T					0.00000518 B	ND (0.00000165) U							
PCB 32	UG/L	T					0.00000196 B	ND (0.00000107) U							
PCB 34	UG/L	T					ND (0.00000179)	ND (0.00000206) U							
PCB 35	UG/L	T					ND (0.00000189)	ND (0.00000215) U							
PCB 37	UG/L	T					ND (0.0000021)	ND (0.00000215) U							
PCB 38	UG/L	T					ND (0.00000167)	ND (0.00000189) U							
PCB 39	UG/L	T					ND (0.00000167)	ND (0.0000019) U							
PCB 4	UG/L	D							ND (0.00000324)						
PCB 4	UG/L	T					ND (0.00000396)	ND (0.00000249) U							
PCB 41	UG/L	T					ND (0.00000184)	ND (0.00000123) U							
PCB 42	UG/L	T					ND (0.00000188)	ND (0.00000141) U							
PCB 43	UG/L	T					ND (0.00000213)	ND (0.00000168) U							
PCB 45	UG/L	T					ND (0.00000147)	ND (0.00000114) U							
PCB 46	UG/L	T					ND (0.00000171)	ND (0.00000128) U							
PCB 48	UG/L	T					ND (0.0000015)	ND (0.00000109) U							
PCB 5	UG/L	T					ND (0.00000615)	ND (0.00000235) U							
PCB 51	UG/L	T					ND (0.00000159)	ND (0.00000117) U							
PCB 52	UG/L	T					0.00000109 B	0.00000605 U*							
PCB 54	UG/L	T					ND (0.00000107)	ND (0.000000796) U							
PCB 56	UG/L	T					0.00000156 B	ND (0.00000113) U							
PCB 57	UG/L	T					ND (0.00000133)	ND (0.00000103) U							
PCB 6	UG/L	T					ND (0.00000673)	ND (0.00000255) U							
PCB 60	UG/L	T					ND (0.0000013)	ND (0.000000993) U							
PCB 63	UG/L	T					ND (0.00000117)	ND (0.000000867) U							
PCB 64	UG/L	T					0.00000224 B	ND (0.00000074) U							
PCB 66	UG/L	T					0.00000287 EMPC	ND (0.00000111) U							
PCB 67	UG/L	T					ND (0.00000137)	ND (0.00000103) U							
PCB 68	UG/L	T					ND (0.0000013)	ND (0.00000101) U							
PCB 7	UG/L	T					ND (0.0000058)	ND (0.00000226) U							
PCB 72	UG/L	T					ND (0.00000134)	ND (0.00000103) U							
PCB 77	UG/L	T					ND (0.00000123)	ND (0.00000167)	ND (0.00000117) U	ND (0.0000222)	0.0000089 B	ND (0.00000238)			
PCB 8	UG/L	T					0.00000658 B	ND (0.00000255) U							
PCB 82	UG/L	T					ND (0.00000208)	ND (0.00000184) U							
PCB 83	UG/L	T					ND (0.00000187)	ND (0.00000164) U							
PCB 84	UG/L	T					ND (0.0000017)	ND (0.00000153) U							
PCB 88	UG/L	T					ND (0.00000177)	ND (0.00000182) U							
PCB 9	UG/L	T					ND (0.00000641)	0.00000269 J							
PCB 91	UG/L	T					ND (0.00000133)	ND (0.00000107) U							

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-06	MW-06	MW-06	MW-06	MW-07	MW-07	MW-07		
			Human Health				Duplicate	5/16/06	5/16/07	8/21/07	11/13/08	6/14/05	7/22/05	8/24/05	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	Bottom (ft)						
								0	0	0	0	0	0	0	0
PCB 92	UG/L	T						ND (0.0000183)	ND (0.000016) U						
PCB 95	UG/L	T						0.00000672 B	0.00000401 U*						
PCB 96	UG/L	T						ND (0.0000116)	ND (0.00000778) U						
PCB 99	UG/L	T						0.00000558	ND (0.0000133) U						
PCB-106/118	UG/L	T					ND (0.0000141)			0.00009	0.0000238 B	ND (0.00001)			
PCB-107/124	UG/L	T						ND (0.0000014)	ND (0.00000118) U						
PCB-108/119/86/97/125/87	UG/L	T						0.00000972	0.00000244 U*						
PCB-113/90/101	UG/L	T						0.0000105 B	0.00000601 U*						
PCB-116/85	UG/L	T						ND (0.00000143)	ND (0.00000125) U						
PCB-128/166	UG/L	T						0.00000277	ND (0.00000127) U						
PCB-13/12	UG/L	T						ND (0.00000671)	ND (0.00000256) U						
PCB-139/140	UG/L	T						ND (0.00000148)	ND (0.00000102) U						
PCB-147/149	UG/L	T						0.0000122 B	0.00000248 U*						
PCB-151/135	UG/L	T						0.00000728 B	ND (0.00000109) U						
PCB-153/168	UG/L	T						0.0000117 B	ND (0.00000851) U						
PCB-156/157	UG/L	T						ND (0.00000192)	ND (0.00000154) U						
PCB-163/138/129	UG/L	T						0.0000132 B	0.00000337 U*						
PCB-171/173	UG/L	T						ND (0.00000227)	ND (0.00000155) U						
PCB-180/193	UG/L	D								ND (0.0000014)					
PCB-180/193	UG/L	T						ND (0.00000184)	ND (0.00000119) U						
PCB-198/199	UG/L	T						ND (0.00000177)	ND (0.00000142) U						
PCB-21/33	UG/L	T						0.0000033 B	ND (0.00000173) U						
PCB-26/29	UG/L	T						ND (0.0000016)	ND (0.00000186) U						
PCB-28/20	UG/L	T						0.00000669 B	ND (0.00000198) U						
PCB-30/18	UG/L	T						0.00000677 B	0.00000199 EMPCJ						
PCB-44/47/65	UG/L	T						0.00000788 B	0.00000331 U*						
PCB-50/53	UG/L	T						ND (0.00000149)	ND (0.0000011) U						
PCB-59/62/75	UG/L	T						ND (0.00000117)	ND (0.00000847) U						
PCB-61/70/74/76	UG/L	T						0.00000645 B	0.00000402 U*						
PCB-69/49	UG/L	T						0.00000295 B	0.00000181 U*						
PCB-71/40	UG/L	T						0.00000261 B	ND (0.0000012) U						
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)				ND (0.0000495)	ND (0.0000479)	ND (0.0000247)		
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.000102)	0.0000407 B	0.00000699 J		ND (0.0000495)	ND (0.0000479)	0.0000511 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D								ND (0.00000183)					
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.0000017)	ND (0.00000114) U		ND (0.0000495)	ND (0.0000479)	ND (0.0000247)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	0.0000769 B	0.00000584 U*		ND (0.0000495)	ND (0.0000479)	ND (0.0000247)		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	0.00000563 B	ND (0.00000114) U		ND (0.0000248)	ND (0.0000239)	ND (0.0000247)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000808	ND (0.00000232)	ND (0.00000306) U		ND (0.0000495)	ND (0.0000479)	ND (0.0000247)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	ND (0.00000143)	ND (0.00000107) U		ND (0.0000495)	ND (0.0000479)	ND (0.0000247)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02		0.0000808 B				0.00663	0.00137 B	0.0000541 B		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	0.0000543 B	0.0000209 U*		0.00073	0.000155 B	ND (0.0000247)		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	0.0000301 B	0.0000152 U*		0.00403	0.000878 B	ND (0.0000247)		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000511)	0.0000227 B	0.00000199 EMPCJ		0.00186	0.000329 B	ND (0.0000247)		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06			ND (80.2)	ND (80.2)		ND (80.2)				
ALUMINUM	UG/L	T						2770	87.1 J		846				
ANTIMONY	UG/L	D		1.58E+08	8.82E+05			ND (9.7)	ND (9.7)		ND (9.7)				
ANTIMONY	UG/L	T					ND (6.4)	ND (9.7)	ND (9.7)		ND (9.7)	ND (6.4)	ND (6.4)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06			ND (0.7)	ND (0.7)		ND (0.95)				
ARSENIC	UG/L	T					ND (9.3)	ND (0.7)	ND (0.7)		ND (0.95)	ND (9.3)	ND (9.3)		
BARIUM	UG/L	D		7.90E+10	1.18E+05			44.5	41.8		43.9				
BARIUM	UG/L	T						51.8	44.2		47.5				
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04			ND (0.94)	ND (0.9)		ND (0.9)				
BERYLLIUM	UG/L	T						ND (0.94)	ND (0.9)		ND (0.9)				
CADMIUM	UG/L	D		1.98E+08	2.65E+04			ND (0.91)	ND (0.9)		ND (2)				
CADMIUM	UG/L	T						ND (0.91)	ND (0.9)		ND (2)				
CALCIUM	UG/L	D						4220	3930		4100				
CALCIUM	UG/L	T						4180	3770		3890				
CHROMIUM	UG/L	D			4.76E+06			4.2 B	ND (2.3)		ND (3)				
CHROMIUM	UG/L	T						138	ND (2.3)		5.5 J				

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-06	MW-06	MW-06	MW-06	MW-07	MW-07	MW-07
			Human Health				5/16/06	5/16/07	8/21/07	11/13/08	6/14/05	7/22/05	8/24/05
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	
COBALT	UG/L	D		1.41E+08	6.76E+05		4.3 J	2.9 J	6 B				
COBALT	UG/L	T					9.9	3.1 J	8 B				
COPPER	UG/L	D		1.58E+10	2.68E+05		ND (2.2)	ND (2.2)	ND (2.7)				
COPPER	UG/L	T					16.3	ND (2.2)	4.2 J				
FERROUS IRON	UG/L	T					8000 J	8000 J	8400 B				
IRON	UG/L	D		2.77E+11	2.94E+07		7930	7750	8150				
IRON	UG/L	T				9200 J	18100	8460	10800				
LEAD	UG/L	D			4.71E+05		0.29 B	0.12 B	0.065 B				
LEAD	UG/L	T					2.9	0.21 B	0.54 J	ND (8.4)			
MAGNESIUM	UG/L	D					1420	1330	1360				
MAGNESIUM	UG/L	T					1480	1320	1370				
MANGANESE	UG/L	D		5.53E+10	3.38E+07		142	127	134				
MANGANESE	UG/L	T				130	181	133	148	115	109	107	
MERCURY	UG/L	D		1.19E+08	3.53E+02		ND (0.056)	ND (0.056)	ND (0.056)				
MERCURY	UG/L	T					0.071 J	ND (0.056)	ND (0.056)				
NICKEL	UG/L	D		1.00E+10	3.59E+06		10.9	5.8 J	6.1 J				
NICKEL	UG/L	T					93.2	5.9 J	7.5 J				
POTASSIUM	UG/L	D					557	503	550				
POTASSIUM	UG/L	T					553	476 J	551				
SELENIUM	UG/L	D		1.98E+09	1.47E+05		ND (9.4)	ND (9.4)	ND (10.7)				
SELENIUM	UG/L	T					ND (9.4)	ND (9.4)	ND (10.7)				
SILVER	UG/L	D		2.21E+09	2.65E+05		ND (1.6)	ND (1.6)	ND (2.2)				
SILVER	UG/L	T					ND (1.6)	ND (1.6)	ND (2.2)				
SODIUM	UG/L	D					6140	6660	7210				
SODIUM	UG/L	T					6300	6450	7630				
THALLIUM	UG/L	D		3.95E+06	1.18E+06		ND (0.037)	ND (0.037)	ND (0.15)				
THALLIUM	UG/L	T				ND (10)	ND (0.037)	ND (0.037)	ND (0.15)	ND (10)	ND (10)	ND (10)	
TITANIUM	UG/L	D					4.2 J	ND (2.8)	ND (3.8)				
TITANIUM	UG/L	T					210	7.7 J	58.6				
VANADIUM	UG/L	D		2.77E+07	5.88E+05		ND (1.5)	ND (1.5)	ND (2.5)				
VANADIUM	UG/L	T					46.1	3 J	14.1				
ZINC	UG/L	D		1.33E+11	2.41E+06		40.5 B	14.1 J	12.6 B				
ZINC	UG/L	T					79.7	11.8 J	19.2 B				
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T					12100	20600	12300				
AMMONIA	UG/L	T		1.34E+13			ND (200)	ND (200)	ND (200)				
CHLORIDE	UG/L	T					15600	18800	17300				
CYANIDE	UG/L	T		8.45E+09	1.53E+05		ND (5)	ND (5) UJ	ND (5) UJ				
FERRIC IRON	UG/L	T					10200	430 J	2400 J				
NITRATE	UG/L	T		6.32E+11			ND (40)	ND (40)	ND (40) UJ				
NITRITE	UG/L	T		3.95E+10			ND (15) UJ	ND (15) UJ	ND (15)				
PHOSPHORUS	UG/L	T					ND (250)	ND (250)	ND (250)				
SILICA	UG/L	T					26500	25600	26700				
SULFATE	UG/L	T					ND (2500)	ND (2500)	ND (2500)				
SULFIDE	UG/L	T					ND (54)	ND (54)	ND (54)				
TOTAL DISSOLVED SOLIDS	UG/L	T				75500							
TOTAL HARDNESS AS CaCO3	UG/L	T							15400				
TOTAL ORGANIC CARBON	UG/L	T				ND (1000)	ND (1000)	ND (1000)	ND (500)				
TOTAL SUSPENDED SOLIDS	UG/L	T				22000	65200	6800 J	31200				
COLOR QUALITATIVE (FIELD)	NS	T				clear	Clear	clr	Clear	clear	clear lt	tan	
DEPTH TO WATER FROM TOC	Feet	T				Not detected							
DISSOLVED OXYGEN (FIELD)	UG/L	T				0	570	480	470	610	80	330	
ODOR (FIELD)	NS	T				none	No	no	No	none	none	none	
OVABZONE	PPM	T				NR	NR	NR		NR	NR		
OVACASING	PPM	T				NR	NR	NR		NR	NR		
REDOX (FIELD)	MV	T									N/A	NR	
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T								low			
HPCDFS	UG/L	T				0.000007	ND (0.000000785)	ND (0.000000369) U		ND (0.000000694)	ND (0.000000726)	ND (0.00000126)	
TOTAL HPCDDS	UG/L	T				ND (0.00000265)				ND (0.00000135)	ND (0.00000128)	ND (0.00000204)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
			Human Health			Date	9/21/05	10/11/05	11/14/05	12/21/05	1/19/06	2/15/06	3/21/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04								
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								
ACETONE	UG/L	T		4.08E+11	4.41E+07								
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								
ETHYL CHLORIDE	UG/L	T											
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								
TOLUENE	UG/L	T		3.52E+09	5.88E+04								
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								
XYLENES	UG/L	T		5.98E+09	3.82E+05								
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									
ACENAPHTHENE	UG/L	T		1.01E+09									
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								
CARBAZOLE	UG/L	T		5.29E+08									
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								
FLUORENE	UG/L	T		5.29E+08	8.82E+04								
HEXACHLOROETHYLENE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								
PHENANTHRENE	UG/L	T			1.18E+04								
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.00000481)	ND (0.00000182)	ND (0.00000676)	ND (0.00000125)	ND (0.00000131)	0.00000176	ND (0.0000019)	ND (0.0000019)
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.00000564)	ND (0.00000852)	ND (0.00000452)	ND (0.00000522)	ND (0.00000677)	ND (0.00000133)	ND (0.00000779)	ND (0.00000779)
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000575)	ND (0.00000983)	ND (0.00000482)	ND (0.00000604)	ND (0.00000683)	ND (0.00000153)	ND (0.00000437)	ND (0.00000437)
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000858)	ND (0.00000131)	ND (0.00000867)	ND (0.000001)	ND (0.00000115)	ND (0.00000181)	ND (0.00000666)	ND (0.00000666)
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.0000028)	ND (0.00000322)	ND (0.0000033)	ND (0.00000309)	ND (0.00000344)	ND (0.00000551)	ND (0.00000227)	ND (0.00000227)
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000907)	ND (0.00000144)	ND (0.0000089)	ND (0.00000106)	ND (0.00000128)	ND (0.000002)	ND (0.00000698)	ND (0.00000698)
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000292)	ND (0.00000296)	ND (0.00000338)	ND (0.00000313)	ND (0.00000375)	ND (0.00000605)	ND (0.00000211)	ND (0.00000211)
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000835)	ND (0.0000013)	ND (0.0000083)	ND (0.00000101)	ND (0.00000118)	ND (0.00000185)	ND (0.00000659)	ND (0.00000659)
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.0000044)	ND (0.00000519)	ND (0.00000554)	ND (0.00000583)	ND (0.00000541)	ND (0.00000105)	ND (0.00000345)	ND (0.00000345)
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000699)	ND (0.00000102)	ND (0.00000124)	ND (0.00000123)	ND (0.00000115)	ND (0.00000166)	ND (0.00000711)	ND (0.00000711)
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000299)	ND (0.00000344)	ND (0.00000355)	ND (0.00000346)	ND (0.00000397)	ND (0.00000624)	ND (0.00000235)	ND (0.00000235)
2,3,4,7,8-PECDF	UG/L	T				ND (0.00000594)	ND (0.00000842)	ND (0.00000104)	ND (0.00000112)	ND (0.00000106)	ND (0.00000153)	ND (0.00000661)	ND (0.00000661)
2,3,7,8-TCDD	UG/L	T				ND (0.00000712)	ND (0.00000835)	ND (0.00000737)	ND (0.00000662)	ND (0.00000112)	ND (0.00000198)	ND (0.00000574)	ND (0.00000574)
2,3,7,8-TCDF	UG/L	T				ND (0.000004)	ND (0.0000068)	ND (0.00000118)	ND (0.00000115)	ND (0.00000848)	ND (0.00000149)	ND (0.00000426)	ND (0.00000426)
HPCDDS	UG/L	T											
HXCDDS	UG/L	T				ND (0.00000867)	ND (0.00000135)	ND (0.00000862)	ND (0.00000102)	ND (0.0000012)	ND (0.00000189)	ND (0.00000675)	ND (0.00000675)
HXCDFS	UG/L	T				ND (0.00000323)	ND (0.00000358)	ND (0.00000387)	ND (0.00000379)	ND (0.0000041)	ND (0.00000697)	ND (0.00000249)	ND (0.00000249)
OCDD	UG/L	T				0.00000445 B	ND (0.00000744)	ND (0.00000353)	ND (0.00000747)	0.0000219 B	0.0000171 B	0.00000977	0.00000977
OCDF	UG/L	T				ND (0.00000176)	ND (0.00000311)	ND (0.00000451)	0.00000419	0.0000151	ND (0.00000486)	ND (0.00000299)	ND (0.00000299)
TCDDS	UG/L	T				ND (0.00000712)	ND (0.00000835)	ND (0.00000737)	ND (0.00000662)	ND (0.00000112)	ND (0.00000198)	ND (0.00000574)	ND (0.00000574)

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07		
			Human Health				Duplicate	9/21/05	10/11/05	11/14/05	12/21/05	1/19/06	2/15/06	3/21/06	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T					ND (0.0000004)	ND (0.00000068)	0.00000145 B	ND (0.00000115)	ND (0.000000848)	ND (0.00000149)	ND (0.000000426)		
TOTAL HPCDD	UG/L	T													
TOTAL HPCDF	UG/L	T													
TOTAL HXCDD	UG/L	T													
TOTAL HXCDF	UG/L	T													
TOTAL PECDD	UG/L	T													
TOTAL PECDDS	UG/L	T					ND (0.000000738)	ND (0.000000688)	ND (0.000000973)	ND (0.000000689)	ND (0.0000011)	ND (0.00000297)	ND (0.000000851)		
TOTAL PECDF	UG/L	T													
TOTAL PECDFS	UG/L	T					ND (0.000000644)	ND (0.000000927)	ND (0.00000114)	ND (0.00000118)	ND (0.0000011)	ND (0.000000742)	ND (0.000000685)		
PCB 1	UG/L	D													
PCB 1	UG/L	T													
PCB 10	UG/L	T													
PCB 103	UG/L	T													
PCB 105	UG/L	T					ND (0.00000729)	ND (0.0000112)	0.0000416 B	ND (0.0000114)	0.000016	ND (0.0000173)	ND (0.00000904)		
PCB 109	UG/L	T													
PCB 11	UG/L	T													
PCB 110	UG/L	T													
PCB 114	UG/L	T					ND (0.00000788)	ND (0.0000143)	ND (0.00000826)	ND (0.0000122)	ND (0.0000136)	ND (0.0000187)	ND (0.0000106)		
PCB 117	UG/L	T													
PCB 118	UG/L	T													
PCB 123	UG/L	T					ND (0.00000761)	ND (0.000014)	ND (0.00000914)	ND (0.0000143)	ND (0.000011)	ND (0.0000203)	ND (0.0000154)		
PCB 130	UG/L	T													
PCB 131	UG/L	T													
PCB 132	UG/L	T													
PCB 133	UG/L	T													
PCB 134	UG/L	T													
PCB 136	UG/L	T													
PCB 137	UG/L	T													
PCB 141	UG/L	T													
PCB 144	UG/L	T													
PCB 146	UG/L	T													
PCB 148	UG/L	T													
PCB 15	UG/L	T													
PCB 150	UG/L	T													
PCB 154	UG/L	T													
PCB 156	UG/L	T					ND (0.00000164)	ND (0.00000238)	ND (0.00000505)	ND (0.00000526)	ND (0.0000129)	ND (0.00000667)	ND (0.00000231)		
PCB 157	UG/L	T					ND (0.00000165)	ND (0.00000247)	ND (0.00000523)	ND (0.00000546)	ND (0.00000761)	ND (0.00000708)	ND (0.00000256)		
PCB 158	UG/L	T													
PCB 159	UG/L	T													
PCB 16	UG/L	T													
PCB 160	UG/L	T													
PCB 162	UG/L	T													
PCB 164	UG/L	T													
PCB 167	UG/L	T					ND (0.00000161)	ND (0.00000248)	ND (0.00000518)	ND (0.00000512)	0.00000686	ND (0.00000678)	ND (0.00000252)		
PCB 169	UG/L	T					ND (0.00000197)	ND (0.00000537)	ND (0.00000785)	ND (0.00000708)	ND (0.00000944)	ND (0.00000799)	ND (0.00000632)		
PCB 17	UG/L	T													
PCB 170	UG/L	T													
PCB 172	UG/L	T													
PCB 174	UG/L	T													
PCB 175	UG/L	T													
PCB 176	UG/L	T													
PCB 177	UG/L	T													
PCB 178	UG/L	T													
PCB 179	UG/L	T													
PCB 183	UG/L	T													
PCB 185	UG/L	T													
PCB 187	UG/L	T													
PCB 189	UG/L	T					ND (0.00000121)	ND (0.0000028)	ND (0.00000329)	ND (0.00000126)	ND (0.00000285)	ND (0.00000321)	ND (0.00000126)		
PCB 19	UG/L	T													

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
			Human Health			Date	9/21/05	10/11/05	11/14/05	12/21/05	1/19/06	2/15/06	3/21/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T											
PCB 191	UG/L	T											
PCB 194	UG/L	T											
PCB 195	UG/L	T											
PCB 196	UG/L	T											
PCB 197	UG/L	T											
PCB 2	UG/L	T											
PCB 200	UG/L	T											
PCB 201	UG/L	T											
PCB 202	UG/L	T											
PCB 203	UG/L	T											
PCB 205	UG/L	T											
PCB 206	UG/L	T											
PCB 207	UG/L	T											
PCB 208	UG/L	T											
PCB 209	UG/L	T											
PCB 22	UG/L	T											
PCB 23	UG/L	T											
PCB 25	UG/L	T											
PCB 27	UG/L	T											
PCB 3	UG/L	T											
PCB 31	UG/L	T											
PCB 32	UG/L	T											
PCB 34	UG/L	T											
PCB 35	UG/L	T											
PCB 37	UG/L	T											
PCB 38	UG/L	T											
PCB 39	UG/L	T											
PCB 4	UG/L	D											
PCB 4	UG/L	T											
PCB 41	UG/L	T											
PCB 42	UG/L	T											
PCB 43	UG/L	T											
PCB 45	UG/L	T											
PCB 46	UG/L	T											
PCB 48	UG/L	T											
PCB 5	UG/L	T											
PCB 51	UG/L	T											
PCB 52	UG/L	T											
PCB 54	UG/L	T											
PCB 56	UG/L	T											
PCB 57	UG/L	T											
PCB 6	UG/L	T											
PCB 60	UG/L	T											
PCB 63	UG/L	T											
PCB 64	UG/L	T											
PCB 66	UG/L	T											
PCB 67	UG/L	T											
PCB 68	UG/L	T											
PCB 7	UG/L	T											
PCB 72	UG/L	T											
PCB 77	UG/L	T					0.00000317 B	ND (0.00000322)	0.0000106 B	ND (0.00000648)	0.0000125 B	ND (0.00000637)	ND (0.0000252)
PCB 8	UG/L	T											
PCB 82	UG/L	T											
PCB 83	UG/L	T											
PCB 84	UG/L	T											
PCB 88	UG/L	T											
PCB 9	UG/L	T											
PCB 91	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	
			Human Health			Date	9/21/05	10/11/05	11/14/05	12/21/05	1/19/06	2/15/06	3/21/06	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T												
PCB 95	UG/L	T												
PCB 96	UG/L	T												
PCB 99	UG/L	T												
PCB-106/118	UG/L	T				ND (0.00000747)	ND (0.0000149)	0.000065 B	ND (0.0000128)	0.000031	ND (0.0000211)	ND (0.0000135)		
PCB-107/124	UG/L	T												
PCB-108/119/86/97/125/87	UG/L	T												
PCB-113/90/101	UG/L	T												
PCB-116/85	UG/L	T												
PCB-128/166	UG/L	T												
PCB-13/12	UG/L	T												
PCB-139/140	UG/L	T												
PCB-147/149	UG/L	T												
PCB-151/135	UG/L	T												
PCB-153/168	UG/L	T												
PCB-156/157	UG/L	T												
PCB-163/138/129	UG/L	T												
PCB-171/173	UG/L	T												
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T												
PCB-198/199	UG/L	T												
PCB-21/33	UG/L	T												
PCB-26/29	UG/L	T												
PCB-28/20	UG/L	T												
PCB-30/18	UG/L	T												
PCB-44/47/65	UG/L	T												
PCB-50/53	UG/L	T												
PCB-59/62/75	UG/L	T												
PCB-61/70/74/76	UG/L	T												
PCB-69/49	UG/L	T												
PCB-71/40	UG/L	T												
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	ND (0.0000258)	ND (0.0000263)	ND (0.0000257)	ND (0.0000249)	ND (0.0000252)		
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000513)	ND (0.0000535)	ND (0.0000516)	ND (0.0000526)	ND (0.0000515)	ND (0.0000497)	ND (0.0000505)		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	ND (0.0000258)	ND (0.0000263)	ND (0.0000257)	ND (0.0000249)	ND (0.0000252)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	ND (0.0000258)	ND (0.0000263)	0.000138	ND (0.0000249)	ND (0.0000252)		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	ND (0.0000258)	ND (0.0000263)	ND (0.0000257)	ND (0.0000249)	ND (0.0000252)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	0.0000334	ND (0.0000258)	ND (0.0000263)	ND (0.0000257)	ND (0.0000249)	ND (0.0000252)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	ND (0.0000258)	ND (0.0000263)	ND (0.0000257)	ND (0.0000249)	ND (0.0000252)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02	0.00000317 B	0.0000334 B	0.00191 B		0.000469 B	0.0000543 B	0.000288 B		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	0.000545 B	ND (0.0000263)	0.000047	ND (0.0000249)	ND (0.0000252)		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	0.00108 B	ND (0.0000263)	0.000201 B	0.0000543 B	0.000254 B		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000257)	ND (0.0000268)	0.000286 B	ND (0.0000263)	0.0000824 B	ND (0.0000249)	0.0000342 B		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06									
ALUMINUM	UG/L	T												
ANTIMONY	UG/L	D		1.58E+08	8.82E+05									
ANTIMONY	UG/L	T				ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06									
ARSENIC	UG/L	T				ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)		
BARIUM	UG/L	D		7.90E+10	1.18E+05									
BARIUM	UG/L	T												
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04									
BERYLLIUM	UG/L	T												
CADMIUM	UG/L	D		1.98E+08	2.65E+04									
CADMIUM	UG/L	T												
CALCIUM	UG/L	D												
CALCIUM	UG/L	T												
CHROMIUM	UG/L	D			4.76E+06									
CHROMIUM	UG/L	T												

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
			Human Health			Date	9/21/05	10/11/05	11/14/05	12/21/05	1/19/06	2/15/06	3/21/06
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05								
COBALT	UG/L	T											
COPPER	UG/L	D		1.58E+10	2.68E+05								
COPPER	UG/L	T											
FERROUS IRON	UG/L	T											
IRON	UG/L	D		2.77E+11	2.94E+07								
IRON	UG/L	T							16400	18900 J	16500	13800 J	
LEAD	UG/L	D			4.71E+05								
LEAD	UG/L	T				ND (8.4)							
MAGNESIUM	UG/L	D											
MAGNESIUM	UG/L	T											
MANGANESE	UG/L	D		5.53E+10	3.38E+07								
MANGANESE	UG/L	T				123	109	111	120	130	110	93	
MERCURY	UG/L	D		1.19E+08	3.53E+02								
MERCURY	UG/L	T											
NICKEL	UG/L	D		1.00E+10	3.59E+06								
NICKEL	UG/L	T											
POTASSIUM	UG/L	D											
POTASSIUM	UG/L	T											
SELENIUM	UG/L	D		1.98E+09	1.47E+05								
SELENIUM	UG/L	T											
SILVER	UG/L	D		2.21E+09	2.65E+05								
SILVER	UG/L	T											
SODIUM	UG/L	D											
SODIUM	UG/L	T											
THALLIUM	UG/L	D		3.95E+06	1.18E+06								
THALLIUM	UG/L	T				ND (10)	ND (10)	ND (10)	ND (10)	14.3 B	ND (10)	ND (10)	
TITANIUM	UG/L	D											
TITANIUM	UG/L	T											
VANADIUM	UG/L	D		2.77E+07	5.88E+05								
VANADIUM	UG/L	T											
ZINC	UG/L	D		1.33E+11	2.41E+06								
ZINC	UG/L	T											
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T											
AMMONIA	UG/L	T		1.34E+13									
CHLORIDE	UG/L	T											
CYANIDE	UG/L	T		8.45E+09	1.53E+05								
FERRIC IRON	UG/L	T											
NITRATE	UG/L	T		6.32E+11									
NITRITE	UG/L	T		3.95E+10									
PHOSPHORUS	UG/L	T											
SILICA	UG/L	T											
SULFATE	UG/L	T											
SULFIDE	UG/L	T											
TOTAL DISSOLVED SOLIDS	UG/L	T									97000 J	104000 J	
TOTAL HARDNESS AS CaCO3	UG/L	T											
TOTAL ORGANIC CARBON	UG/L	T							1100 J	1400 B	1200 J	ND (1000)	
TOTAL SUSPENDED SOLIDS	UG/L	T							57600	68800	27600	6000 J	
COLOR QUALITATIVE (FIELD)	NS	T				lt brown	clear	lt. Brown	clr	clear	clear clear		
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				1240	0	0	0	10	0	0	
ODOR (FIELD)	NS	T				none	none yes		none	yes	none	none	
OVABZONE	PPM	T				NR	NR NR NR NR NR NR						
OVACASING	PPM	T				NR	NR NR NR NR NR NR						
REDOX (FIELD)	MV	T					NR	NR		NR			
TOTAL WELL DEPTH	Feet	T											
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				ND (0.000000568)	ND (0.000000909)	ND (0.000000465)	ND (0.000000559)	ND (0.00000068)	ND (0.00000142)	ND (0.000000811)	
TOTAL HPCDDDS	UG/L	T				ND (0.000000481)	ND (0.0000016)	ND (0.000000676)	ND (0.00000125)	ND (0.00000131)	0.00000176	ND (0.0000019)	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-07	MW-07	MW-07	MW-07	MW-07	MW-1	MW-1	MW-1
			Human Health				4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/27/09	10/20/09	4/23/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06				ND (1)	ND (1)	ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04				ND (1)	ND (1)	ND (1)	ND (1)		
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05				ND (1)	ND (1)	ND (1)	ND (1)		
ACETONE	UG/L	T		4.08E+11	4.41E+07				ND (6)	ND (6)	ND (6)	ND (6)		
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07				ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04				ND (1)	ND (1)	ND (1)	ND (1)		
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
ETHYL CHLORIDE	UG/L	T							ND (1)	ND (1)	ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06				ND (1)	ND (1)	ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08				ND (3)	ND (3)	ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06				ND (2)	ND (2)	ND (2)	ND (2)		
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
TOLUENE	UG/L	T		3.52E+09	5.88E+04				ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)		
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05				ND (1)	ND (1)	ND (1)	ND (1)		
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07				ND (1)	ND (1)	ND (1)	ND (1)		
XYLENES	UG/L	T		5.98E+09	3.82E+05				ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07				ND (3)	ND (3)	ND (3)	ND (3)		R
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05				ND (1)	ND (1)	ND (1)	ND (1)		
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09					ND (1)	ND (1)	ND (1)	ND (1)		R
ACENAPHTHENE	UG/L	T		1.01E+09					ND (1)	ND (1)	ND (0.5)	ND (0.5)		
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02				ND (1)	ND (1)	ND (0.02)	0.021 J		
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02				ND (1)	ND (1)	ND (0.01)	ND (0.01)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05				ND (2)	ND (2)	ND (2)	ND (2)		
CARBAZOLE	UG/L	T		5.29E+08					ND (1)	ND (1)	ND (1)	ND (1)		
CHRYSENE	UG/L	T	9.83E+01		1.18E+02				ND (1)	ND (1)	ND (0.04)	ND (0.04)		
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05				ND (1)	ND (1)	ND (1)	ND (1)		
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05				ND (2)	ND (2)	ND (2)	ND (2)		
FLUORENE	UG/L	T		5.29E+08	8.82E+04				ND (1)	ND (1)	ND (0.1)	ND (0.1)		
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04				ND (1)	ND (1)	ND (1)	ND (1)		
PHENANTHRENE	UG/L	T			1.18E+04				ND (1)	ND (1)	ND (0.04)	ND (0.04)		
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.0000022)	ND (0.0000188)	ND (0.0000134)	ND (0.0000172) U		0.00000582 EMPC J			
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.00000259)	ND (0.0000137)	ND (0.00000518)	ND (0.00000294) U		ND (0.0000137)			
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.00000121)	ND (0.0000138)	ND (0.0000083)	ND (0.00000519) U		ND (0.0000176)			
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000235)	ND (0.000002)	ND (0.00000658)	ND (0.00000643) U		ND (0.0000108)			
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.00000112)	ND (0.00000955)	ND (0.00000255)	ND (0.00000204) U		ND (0.00000432)			
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000251)	ND (0.00000206)	ND (0.00000639)	ND (0.00000694) U		ND (0.0000122)			
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.00000109)	ND (0.00000849)	ND (0.00000244)	ND (0.00000211) U		ND (0.00000408)			
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000245)	ND (0.00000205)	ND (0.00000701)	ND (0.00000677) U		ND (0.0000129)			
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.00000143)	ND (0.0000147)	ND (0.0000004)	ND (0.00000358) U		ND (0.00000602)			
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000164)	ND (0.0000115)	ND (0.00000621)	ND (0.00000467) U		ND (0.00000634)			
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000012)	ND (0.00000106)	ND (0.00000296)	ND (0.00000269) U		ND (0.00000428)			
2,3,4,7,8-PECDF	UG/L	T				ND (0.00000159)	ND (0.0000108)	ND (0.00000606)	ND (0.00000401) U		ND (0.00000541)			
2,3,7,8-TCDD	UG/L	T				ND (0.00000201)	ND (0.0000178)	ND (0.00000377)	ND (0.00000625) U		ND (0.00000788)			
2,3,7,8-TCDF	UG/L	T				ND (0.0000019)	ND (0.0000162)	ND (0.00000264)	ND (0.00000373) U		ND (0.00000403)			
HPCDDS	UG/L	T						ND (0.0000134)	ND (0.0000172) U		0.00000245 EMPC			
HXCDDS	UG/L	T				ND (0.00000244)	ND (0.00000204)	ND (0.00000666)	ND (0.00000671) U		ND (0.0000119)			
HXCDFS	UG/L	T				ND (0.00000121)	ND (0.0000108)	ND (0.00000292)	ND (0.00000251) U		ND (0.00000459)			
OCDD	UG/L	T				0.00000788 B	0.00000412	0.00000721 J	ND (0.000005) U		0.0000157 J			
OCDF	UG/L	T				0.00000158 B	ND (0.00000332)	ND (0.00000246)	ND (0.00000273) U		ND (0.00000407)			
TCDDS	UG/L	T				ND (0.00000201)	ND (0.0000178)	0.00000478	0.00000871 U*		0.00000898 B			

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-07	MW-07	MW-07	MW-07	MW-07	MW-1	MW-1	MW-1		
			Human Health				Duplicate	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/27/09	10/20/09	4/23/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
TCDFS	UG/L	T				0.000000311	ND (0.00000162)	ND (0.000000264)	ND (0.000000373) U		ND (0.000000403)					
TOTAL HPCDD	UG/L	T														
TOTAL HPCDF	UG/L	T														
TOTAL HXCDD	UG/L	T														
TOTAL HXCDF	UG/L	T														
TOTAL PECDD	UG/L	T														
TOTAL PECDDS	UG/L	T				ND (0.000000208)	ND (0.00000145)	ND (0.000000705)	0.000000771 EMPCJ		ND (0.000000826)					
TOTAL PECDF	UG/L	T														
TOTAL PECDFS	UG/L	T				ND (0.000000162)	ND (0.00000112)	ND (0.000000614)	ND (0.000000432) U		ND (0.000000586)					
PCB 1	UG/L	D								ND (0.00000141)						
PCB 1	UG/L	T						ND (0.0000221)	ND (0.00000105) U		ND (0.000000467)					
PCB 10	UG/L	T						ND (0.00000267)	ND (0.0000009) U		ND (0.000000319)					
PCB 103	UG/L	T						ND (0.00000141)	ND (0.00000105) U		ND (0.000000641)					
PCB 105	UG/L	T				ND (0.0000523)	ND (0.0000127)	0.00000357 B	ND (0.00000109) U		0.00000138 B					
PCB 109	UG/L	T						0.00000317 B	ND (0.000000858) U		ND (0.000000568)					
PCB 11	UG/L	T						0.00000506 B	0.00000765 U*		0.00000956 B					
PCB 110	UG/L	T						0.0000144 B	0.0000057 U*		0.00000168 B					
PCB 114	UG/L	T				ND (0.00000795)	ND (0.000014)	ND (0.00000152)	ND (0.00000101) U		ND (0.000000632)					
PCB 117	UG/L	T						ND (0.00000144)	ND (0.00000104) U		ND (0.000000664)					
PCB 118	UG/L	T						0.00000774 B	0.0000029 U*		0.00000189 B					
PCB 123	UG/L	T				ND (0.0000114)	ND (0.0000147)	ND (0.00000146)	ND (0.00000107) U		ND (0.000000644)					
PCB 130	UG/L	T						0.00000893 B	ND (0.0000013) U		ND (0.00000082)					
PCB 131	UG/L	T						ND (0.00000136)	ND (0.00000108) U		ND (0.000000721)					
PCB 132	UG/L	T						0.00000536 B	ND (0.00000107) U		ND (0.000000703)					
PCB 133	UG/L	T						0.00000508 B	ND (0.00000107) U		ND (0.000000778)					
PCB 134	UG/L	T						ND (0.00000179)	ND (0.0000014) U		ND (0.000000873)					
PCB 136	UG/L	T						ND (0.00000115)	ND (0.000000852) U		ND (0.000000561)					
PCB 137	UG/L	T						ND (0.00000122)	ND (0.000000908) U		ND (0.000000586)					
PCB 141	UG/L	T						ND (0.00000131)	ND (0.00000102) U		ND (0.000000688)					
PCB 144	UG/L	T						ND (0.00000146)	ND (0.00000113) U		ND (0.000000685)					
PCB 146	UG/L	T						0.0000142 B	ND (0.00000104) U		ND (0.000000567)					
PCB 148	UG/L	T						ND (0.00000137)	ND (0.0000011) U		ND (0.000000622)					
PCB 15	UG/L	T						ND (0.00000454)	ND (0.00000201) U		0.000000783 B					
PCB 150	UG/L	T						ND (0.00000103)	ND (0.000000761) U		ND (0.00000048)					
PCB 154	UG/L	T						ND (0.00000126)	ND (0.00000099) U		ND (0.00000064)					
PCB 156	UG/L	T				ND (0.0000523)	ND (0.0000139)									
PCB 157	UG/L	T				ND (0.0000523)	ND (0.0000147)									
PCB 158	UG/L	T						ND (0.00000112)	ND (0.000000846) U		ND (0.000000546)					
PCB 159	UG/L	T						ND (0.00000164)	ND (0.0000012) U		ND (0.000000586)					
PCB 16	UG/L	T						0.00000489 B	ND (0.00000224) U		0.000000704 B					
PCB 160	UG/L	T						ND (0.00000122)	ND (0.000000885) U		ND (0.000000558)					
PCB 162	UG/L	T						ND (0.00000146)	ND (0.00000111) U		ND (0.000000545)					
PCB 164	UG/L	T						0.00000225 B	ND (0.000000761) U		ND (0.000000542)					
PCB 167	UG/L	T				ND (0.0000523)	ND (0.0000143)	0.00000252 B	ND (0.00000118) U		ND (0.000000622)					
PCB 169	UG/L	T				ND (0.00000948)	ND (0.0000174)	ND (0.00000189)	ND (0.00000134) U		0.00000116 J					
PCB 17	UG/L	T						0.00000426 B	ND (0.00000154) U		ND (0.000000612)					
PCB 170	UG/L	T						ND (0.00000181)	ND (0.00000134) U		ND (0.000000797)					
PCB 172	UG/L	T						ND (0.0000019)	ND (0.00000129) U		ND (0.000000801)					
PCB 174	UG/L	T						ND (0.00000197)	ND (0.00000139) U		ND (0.000000683)					
PCB 175	UG/L	T						ND (0.00000192)	ND (0.0000014) U		ND (0.000000772)					
PCB 176	UG/L	T						ND (0.000000864)	ND (0.00000069) U		ND (0.00000049)					
PCB 177	UG/L	T						ND (0.00000207)	ND (0.00000151) U		ND (0.000000715)					
PCB 178	UG/L	T						ND (0.0000013)	ND (0.00000104) U		ND (0.000000742)					
PCB 179	UG/L	T						ND (0.00000109)	ND (0.000000859) U		ND (0.000000527)					
PCB 183	UG/L	T						ND (0.00000152)	ND (0.0000011) U		ND (0.000000668)					
PCB 185	UG/L	T						ND (0.00000164)	ND (0.00000122) U		ND (0.000000676)					
PCB 187	UG/L	T						ND (0.00000182)	ND (0.0000013) U		0.000000908 B					
PCB 189	UG/L	T				ND (0.0000523)	ND (0.00000256)	ND (0.00000146)	ND (0.00000128) U		ND (0.000000653)					
PCB 19	UG/L	T						ND (0.00000211)	ND (0.0000018) U		ND (0.000000603)					

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-07	MW-07	MW-07	MW-07	MW-07	MW-1	MW-1	MW-1		
			Human Health				Duplicate	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/27/09	10/20/09	4/23/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
PCB 190	UG/L	T							ND (0.00000157)	ND (0.00000113) U		ND (0.00000065)				
PCB 191	UG/L	T							ND (0.00000167)	ND (0.00000116) U		ND (0.000000661)				
PCB 194	UG/L	T							ND (0.00000163)	ND (0.0000013) U		0.00000158 B				
PCB 195	UG/L	T							ND (0.00000162)	ND (0.00000132) U		ND (0.000000813)				
PCB 196	UG/L	T							ND (0.00000129)	ND (0.0000013) U		ND (0.000000871)				
PCB 197	UG/L	T							ND (0.000000913)	ND (0.000000936) U		ND (0.00000065)				
PCB 2	UG/L	T							0.000011	ND (0.00000118) U		ND (0.000000493)				
PCB 200	UG/L	T							ND (0.00000118)	ND (0.0000012) U		ND (0.000000782)				
PCB 201	UG/L	T							ND (0.00000108)	ND (0.00000111) U		ND (0.000000722)				
PCB 202	UG/L	T							ND (0.00000102)	ND (0.00000116) U		ND (0.000000818)				
PCB 203	UG/L	T							ND (0.0000014)	ND (0.00000138) U		ND (0.000000763)				
PCB 205	UG/L	T							ND (0.00000142)	ND (0.00000106) U		ND (0.000000695)				
PCB 206	UG/L	T							ND (0.00000284)	ND (0.0000036) U		ND (0.00000169)				
PCB 207	UG/L	T							ND (0.00000198)	ND (0.00000228) U		ND (0.00000117)				
PCB 208	UG/L	T							ND (0.00000214)	ND (0.0000024) U		ND (0.00000127)				
PCB 209	UG/L	T							ND (0.00000123)	ND (0.00000135) U		0.00000147 B				
PCB 22	UG/L	T							0.00000374 B	ND (0.00000161) U		0.000000664 B				
PCB 23	UG/L	T							ND (0.00000166)	ND (0.00000155) U		ND (0.000000577)				
PCB 25	UG/L	T							ND (0.00000157)	ND (0.00000143) U		ND (0.000000513)				
PCB 27	UG/L	T							ND (0.00000164)	ND (0.00000133) U		ND (0.000000516)				
PCB 3	UG/L	T							0.00000938 B	ND (0.00000115) U		ND (0.000000524)				
PCB 31	UG/L	T							0.00000764 B	0.00000228 J		0.00000118 B				
PCB 32	UG/L	T							0.00000282 B	ND (0.00000111) U		0.000000504 B				
PCB 34	UG/L	T							ND (0.00000179)	ND (0.00000163) U		ND (0.00000064)				
PCB 35	UG/L	T							ND (0.00000188)	ND (0.0000017) U		ND (0.000000711)				
PCB 37	UG/L	T							ND (0.00000209)	ND (0.0000017) U		0.00000103 B				
PCB 38	UG/L	T							ND (0.00000167)	ND (0.0000015) U		ND (0.000000704)				
PCB 39	UG/L	T							ND (0.00000167)	ND (0.0000015) U		0.000000775				
PCB 4	UG/L	D									0.00000294					
PCB 4	UG/L	T							0.00000621 B	ND (0.0000017) U		0.00000136 B				
PCB 41	UG/L	T							ND (0.00000162)	ND (0.00000116) U		ND (0.000000746)				
PCB 42	UG/L	T							ND (0.00000165)	ND (0.00000133) U		ND (0.000000737)				
PCB 43	UG/L	T							ND (0.00000187)	ND (0.00000159) U		ND (0.000000791)				
PCB 45	UG/L	T							ND (0.00000129)	ND (0.00000108) U		ND (0.00000066)				
PCB 46	UG/L	T							ND (0.0000015)	ND (0.00000121) U		ND (0.000000728)				
PCB 48	UG/L	T							ND (0.00000132)	ND (0.00000103) U		ND (0.00000063)				
PCB 5	UG/L	T							ND (0.00000373)	ND (0.00000174) U		ND (0.000000462)				
PCB 51	UG/L	T							ND (0.0000014)	ND (0.00000111) U		ND (0.000000678)				
PCB 52	UG/L	T							0.0000113 B	0.00000689 U*		0.0000015 B				
PCB 54	UG/L	T							ND (0.000000943)	ND (0.000000736) U		ND (0.000000527)				
PCB 56	UG/L	T							ND (0.00000146)	ND (0.00000109) U		ND (0.000000827)				
PCB 57	UG/L	T							ND (0.00000131)	ND (0.000000999) U		ND (0.00000102)				
PCB 6	UG/L	T							ND (0.00000408)	ND (0.00000189) U		ND (0.00000041)				
PCB 60	UG/L	T							ND (0.00000128)	ND (0.000000963) U		ND (0.000000883)				
PCB 63	UG/L	T							ND (0.00000115)	ND (0.00000084) U		ND (0.000000734)				
PCB 64	UG/L	T							0.00000205 B	ND (0.000000701) U		0.000000649 B				
PCB 66	UG/L	T							0.00000299	0.00000145 J		ND (0.000000803)				
PCB 67	UG/L	T							ND (0.00000134)	ND (0.000000998) U		ND (0.00000074)				
PCB 68	UG/L	T							ND (0.00000128)	ND (0.000000976) U		ND (0.000000769)				
PCB 7	UG/L	T							ND (0.00000352)	ND (0.00000168) U		ND (0.000000439)				
PCB 72	UG/L	T							ND (0.00000132)	ND (0.000000998) U		ND (0.000000876)				
PCB 77	UG/L	T							ND (0.0000016)	ND (0.00000116) U		ND (0.000000986)				
PCB 8	UG/L	T							0.00000975 B	0.00000241 J		0.0000014 B				
PCB 82	UG/L	T							ND (0.00000217)	ND (0.00000164) U		ND (0.00000082)				
PCB 83	UG/L	T							ND (0.00000195)	ND (0.00000146) U		ND (0.000000855)				
PCB 84	UG/L	T							ND (0.00000177)	ND (0.00000136) U		ND (0.000000813)				
PCB 88	UG/L	T							ND (0.00000184)	ND (0.00000162) U		ND (0.000000736)				
PCB 9	UG/L	T							ND (0.00000389)	0.00000269 J		ND (0.000000389)				
PCB 91	UG/L	T							0.00000212 EMPC	ND (0.000000957) U		ND (0.000000624)				

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-07	MW-07	MW-07	MW-07	MW-07	MW-1	MW-1	MW-1		
			Human Health				Ecological (DF=29,412)	4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/27/09	10/20/09	4/23/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	0
PCB 92	UG/L	T							ND (0.0000191)	ND (0.0000142) U		ND (0.00000798)				
PCB 95	UG/L	T							0.0000637 B	0.0000552 U*		0.0000125 B				
PCB 96	UG/L	T							ND (0.000011)	ND (0.00000699) U		ND (0.00000519)				
PCB 99	UG/L	T							0.0000469	0.0000242 U*		ND (0.00000614)				
PCB-106/118	UG/L	T				ND (0.0000523)	ND (0.0000139)									
PCB-107/124	UG/L	T							ND (0.0000146)	ND (0.0000105) U		ND (0.0000066)				
PCB-108/119/86/97/125/87	UG/L	T							0.0000107	0.0000404 U*		ND (0.00000663)				
PCB-113/90/101	UG/L	T							0.0000836 B	0.0000737 U*		0.0000151 B				
PCB-116/85	UG/L	T							ND (0.0000149)	ND (0.0000112) U		ND (0.00000637)				
PCB-128/166	UG/L	T							ND (0.0000168)	ND (0.000013) U		ND (0.00000672)				
PCB-13/12	UG/L	T							ND (0.0000407)	ND (0.000019) U		ND (0.00000481)				
PCB-139/140	UG/L	T							ND (0.0000128)	ND (0.0000103) U		ND (0.00000674)				
PCB-147/149	UG/L	T							0.0000113 B	0.0000328 U*		0.0000127 B				
PCB-151/135	UG/L	T							0.0000732 B	ND (0.000011) U		ND (0.00000689)				
PCB-153/168	UG/L	T							0.0000109 B	0.0000298 U*		0.0000166 B				
PCB-156/157	UG/L	T							ND (0.0000208)	ND (0.0000158) U		ND (0.00000839)				
PCB-163/138/129	UG/L	T							0.0000121 B	0.0000231 U*		0.000019 B				
PCB-171/173	UG/L	T							ND (0.0000197)	ND (0.000014) U		ND (0.00000773)				
PCB-180/193	UG/L	D									ND (0.0000144)					
PCB-180/193	UG/L	T							ND (0.000016)	ND (0.0000108) U		0.000016 B				
PCB-198/199	UG/L	T							ND (0.0000158)	ND (0.0000159) U		ND (0.00000857)				
PCB-21/33	UG/L	T							0.000058 B	ND (0.0000137) U		0.00000944 B				
PCB-26/29	UG/L	T							0.0000327 B	ND (0.0000147) U		ND (0.00000605)				
PCB-28/20	UG/L	T							0.000089 B	0.0000266 U*		0.0000185 B				
PCB-30/18	UG/L	T							0.0000111 B	0.0000352 J		0.0000156 B				
PCB-44/47/65	UG/L	T							0.0000102 B	0.0000436 U*		0.0000289 B				
PCB-50/53	UG/L	T							ND (0.0000131)	ND (0.0000104) U		ND (0.00000677)				
PCB-59/62/75	UG/L	T							ND (0.0000103)	ND (0.00000802) U		ND (0.00000489)				
PCB-61/70/74/76	UG/L	T							0.0000746 B	0.0000488 U*		ND (0.00000878)				
PCB-69/49	UG/L	T							0.000004 B	0.0000241 U*		0.00000817 B				
PCB-71/40	UG/L	T							0.0000215 B	ND (0.0000113) U		ND (0.00000606)				
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T							ND (0.0000526)							
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T							ND (0.000105)	0.0000666 B	0.0000127 J		0.0000131 B			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D										ND (0.0000145)				
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T							0.0000517 B	ND (0.0000526)	ND (0.0000154)	ND (0.0000119) U		0.0000251 B		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T							0.0000134 B	ND (0.0000526)	0.0000414 B	0.0000858 U*		0.000006 B		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T								ND (0.0000526)	0.0000204 B	ND (0.000011) U		ND (0.00000495)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T								ND (0.0000526)	ND (0.0000249)	ND (0.000003) U		ND (0.0000148)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T								ND (0.0000526)	ND (0.0000122)	ND (0.0000111) U		0.0000158 B		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02				0.000347 B							
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T							0.0000281 B	ND (0.0000526)	0.000047 B	0.000028 U*		0.0000771 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T							0.000126 B	ND (0.0000526)	0.000038 B	0.00002 J		0.0000585 B		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T							0.000175 B	ND (0.0000526)	0.0000214 B	0.0000846 J		0.0000921 B		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06					ND (80.2)	ND (80.2)	ND (80.2)	3330 J			
ALUMINUM	UG/L	T								215	141 J	149 J	3610 J			
ANTIMONY	UG/L	D		1.58E+08	8.82E+05					ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	
ANTIMONY	UG/L	T							ND (6.4)	ND (6.4)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (0.3)
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06					ND (0.7)	ND (0.7)	ND (0.95)	7.3		ND (7.2)	
ARSENIC	UG/L	T							ND (9.3)	ND (9.3)	ND (0.7)	ND (0.7)	7.1		11.2 B	9
BARIUM	UG/L	D		7.90E+10	1.18E+05					53.5	49.4	50.8	24			
BARIUM	UG/L	T								53.7	50	52.2	25			
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04					ND (0.94)	ND (0.9)	ND (0.9)	8.8 J			
BERYLLIUM	UG/L	T								ND (0.94)	ND (0.9)	ND (0.9)	8.3 J			
CADMIUM	UG/L	D		1.98E+08	2.65E+04					ND (0.91)	ND (0.9)	ND (2)	2.2 J			
CADMIUM	UG/L	T								ND (0.91)	ND (0.9)	ND (2)	ND (2)			
CALCIUM	UG/L	D								11000	10100	10400	21900			
CALCIUM	UG/L	T								10700	10200	9530	20800			
CHROMIUM	UG/L	D			4.76E+06					ND (2.3)	ND (2.3)	ND (3)	ND (3)			
CHROMIUM	UG/L	T								ND (2.3)	3.1 J	ND (3)	ND (3)			

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Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-07	MW-07	MW-07	MW-07	MW-07	MW-1	MW-1	MW-1		
			Human Health				MW-07	MW-07	MW-07	MW-07	MW-07	MW-1	MW-1	MW-1		
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		4/11/06	5/16/06	5/16/07	8/21/07	11/13/08	5/27/09	10/20/09	4/23/10		
							FS	FS	FS	FS	FS	FS	FS	FS		
COBALT	UG/L	D		1.41E+08	6.76E+05				ND (2.1)	ND (2.1)	4.4 B	355				
COBALT	UG/L	T							2.1 J	ND (2.1)	ND (2.1)	333				
COPPER	UG/L	D		1.58E+10	2.68E+05				ND (2.2)	ND (2.2)	ND (2.7)	14.4				
COPPER	UG/L	T							ND (2.2)	ND (2.2)	ND (2.7)	15.9				
FERROUS IRON	UG/L	T							13000 J	12200 J	11700 B	930				
IRON	UG/L	D		2.77E+11	2.94E+07				11000	12700	13500	7300				
IRON	UG/L	T							14900 J	14800 J	15100	13300	13200	5550		
LEAD	UG/L	D			4.71E+05				0.079 B	ND (0.047)	ND (0.05)	2.4				
LEAD	UG/L	T							0.18 B	0.19 B	0.2 B	3.4				
MAGNESIUM	UG/L	D							3040	2820	2770	12100				
MAGNESIUM	UG/L	T							2930	2840	2720	11200				
MANGANESE	UG/L	D		5.53E+10	3.38E+07				87.5	83.1	88.6	7740	5850			
MANGANESE	UG/L	T							98.5	92.3	96.2	83.8	85.3	6590	5570	7920
MERCURY	UG/L	D		1.19E+08	3.53E+02				ND (0.056)	ND (0.056)	ND (0.056)	0.082 B				
MERCURY	UG/L	T							ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)				
NICKEL	UG/L	D		1.00E+10	3.59E+06				ND (5.6)	ND (5.6)	ND (5.6)	118				
NICKEL	UG/L	T							ND (5.6)	ND (5.6)	ND (5.6)	116				
POTASSIUM	UG/L	D							1500	1320	1310	2350				
POTASSIUM	UG/L	T							1370	1320	1380	4150				
SELENIUM	UG/L	D		1.98E+09	1.47E+05				ND (9.4)	ND (9.4)	ND (10.7)	ND (0.99)				
SELENIUM	UG/L	T							ND (9.4)	ND (9.4)	ND (10.7)	ND (0.99)				
SILVER	UG/L	D		2.21E+09	2.65E+05				ND (1.6)	ND (1.6)	ND (2.2)	ND (2.2)				
SILVER	UG/L	T							ND (1.6)	ND (1.6)	ND (2.2)	ND (2.2)				
SODIUM	UG/L	D							5190	5100	5440	18100				
SODIUM	UG/L	T							4920	5160	5820	18000				
THALLIUM	UG/L	D		3.95E+06	1.18E+06				ND (0.037)	ND (0.037)	ND (0.15)	0.24 J	70.4			
THALLIUM	UG/L	T							ND (10)	ND (10)	ND (0.037)	ND (0.037)	ND (0.15)	0.18 J	ND (14)	0.21 J
TITANIUM	UG/L	D							ND (2.8)	ND (2.8)	ND (3.8)	ND (3.8)				
TITANIUM	UG/L	T							14	9.1 J	9.9 J	23.1				
VANADIUM	UG/L	D		2.77E+07	5.88E+05				ND (1.5)	ND (1.5)	ND (2.5)	ND (2.5)				
VANADIUM	UG/L	T							ND (1.5)	2.3 J	ND (2.5)	3.7 J				
ZINC	UG/L	D		1.33E+11	2.41E+06				9.2 B	13.3 J	ND (8.1)	192				
ZINC	UG/L	T							ND (8.1)	9.9 J	10 B	185				
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T							55900	54400	53200	ND (460)				
AMMONIA	UG/L	T		1.34E+13					ND (200)	ND (200)	ND (200)	ND (200)				
CHLORIDE	UG/L	T							8300	10200	10100	34600				
CYANIDE	UG/L	T		8.45E+09	1.53E+05				ND (5)	ND (5) UJ	ND (5)	ND (5) UJ				
FERRIC IRON	UG/L	T							2100 J	1100 J	1500 J	4600				
NITRATE	UG/L	T		6.32E+11					ND (40)	ND (40)	ND (40) UJ	720				
NITRITE	UG/L	T		3.95E+10					ND (15) UJ	ND (15) UJ	40 J	ND (15) UJ				
PHOSPHORUS	UG/L	T							ND (250)	ND (250)	ND (250)	ND (250)				
SILICA	UG/L	T							31300	32600	30400	48700				
SULFATE	UG/L	T							ND (5000)	ND (2500)	ND (2500)	124000				
SULFIDE	UG/L	T							ND (54)	ND (54)	ND (54)	ND (54)				
TOTAL DISSOLVED SOLIDS	UG/L	T							102000	94000						
TOTAL HARDNESS AS CaCO3	UG/L	T										35000				
TOTAL ORGANIC CARBON	UG/L	T							ND (1000)	ND (1000)	ND (1000)	ND (1000)	580 J	520 B		
TOTAL SUSPENDED SOLIDS	UG/L	T							19200	11600 J	22400 B	24800	15600	52400		
COLOR QUALITATIVE (FIELD)	NS	T							clear	clear Clear	clr	Cloudy	clear	cloudy		
DEPTH TO WATER FROM TOC	Feet	T														
DISSOLVED OXYGEN (FIELD)	UG/L	T							350	0	1380	780	400	-3440	370	
ODOR (FIELD)	NS	T							none	none No		no	No	none	No	
OVABZONE	PPM	T							NR	NR NR NR						
OVACASING	PPM	T							NR	NR NR NR						
REDOX (FIELD)	MV	T														
TOTAL WELL DEPTH	Feet	T														
TURBIDITY QUANTITATIVE (FIELD)	NTU	T														
HPCDFS	UG/L	T							0.000000259	ND (0.00000138)	ND (0.000000653)	ND (0.00000039) U	0.000000705 B			
TOTAL HPCDDS	UG/L	T							0.000000546 B	ND (0.00000188)						

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S	
			Human Health				4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	
			Duplicate	FS	FS	FS	FS	DUP	FS	FS				
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05					ND (0.8)		ND (0.8)	ND (0.8)	
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06					ND (1)		ND (1)	ND (1)	
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05					ND (0.8)		ND (0.8)	ND (0.8)	
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04					ND (1)		ND (1)	ND (0.9)	
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05					ND (1)		ND (1)	ND (0.9)	
ACETONE	UG/L	T		4.08E+11	4.41E+07					ND (6)		ND (6)	ND (6)	
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07					ND (0.5)		ND (0.5)	ND (0.5)	
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04					2 J		1 J	ND (1)	
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04					ND (0.8)		ND (0.8)	ND (0.8)	
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04					ND (0.8)		ND (0.8)	ND (0.8)	
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05					ND (0.8)		ND (0.8)	ND (0.8)	
ETHYL CHLORIDE	UG/L	T								ND (1)		ND (1)	ND (1)	
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06					ND (0.8)		ND (0.8)	ND (0.8)	
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06					ND (1)		ND (1)	ND (1)	
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08					ND (3)		ND (3)	ND (3)	
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06					ND (2)		ND (2)	ND (2)	
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06					ND (0.8)		ND (0.8)	ND (0.8)	
TOLUENE	UG/L	T		3.52E+09	5.88E+04					ND (0.7)		ND (0.7)	ND (0.7)	
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05					ND (0.8)		ND (0.8)	ND (0.8)	
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05					ND (1)		ND (1)	ND (1)	
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07					ND (1)		ND (1)	ND (1)	
XYLENES	UG/L	T		5.98E+09	3.82E+05					ND (0.8)		ND (0.8)	ND (0.8)	
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07					ND (3)		ND (3)	ND (3)	
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05					ND (1)		ND (1)	ND (0.9)	
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09						ND (1)		ND (1)	ND (0.9)	
ACENAPHTHENE	UG/L	T		1.01E+09						ND (1)		ND (1)	ND (0.9)	
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02					ND (1)		ND (1)	ND (0.9)	
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02					ND (1)		ND (1)	ND (0.9)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05					ND (2)		9	ND (2)	
CARBAZOLE	UG/L	T		5.29E+08						ND (1)		ND (1)	ND (0.9)	
CHRYSENE	UG/L	T	9.83E+01		1.18E+02					ND (1)		ND (1)	ND (0.9)	
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05					ND (1)		ND (1)	ND (0.9)	
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05					11		ND (2)	ND (2)	
FLUORENE	UG/L	T		5.29E+08	8.82E+04					ND (1)		ND (1)	ND (0.9)	
HEXACHLOROETHANE	UG/L	T			8.82E+00			ND (1)	ND (1)	ND (1)		ND (1)	ND (0.9)	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04					ND (1)		ND (1)	ND (0.9)	
PHENANTHRENE	UG/L	T			1.18E+04					ND (1)		ND (1)	ND (0.9)	
1,2,3,4,6,7,8-HPCDD	UG/L	T						ND (0.000009479817)		0.0000103 B	ND (0.00000292) U	ND (0.00000766) U	ND (0.0000143) U	0.000125
1,2,3,4,6,7,8-HPCDF	UG/L	T						ND (0.000006961197)		0.00000626 B	ND (0.0000107) U	ND (0.00000705) U	ND (0.00000421) U	0.000195
1,2,3,4,7,8,9-HPCDF	UG/L	T						ND (0.000008217578)		0.00000937 J	ND (0.00000205) U	ND (0.0000104) U	ND (0.00000705) U	0.000078
1,2,3,4,7,8-HXCDD	UG/L	T						ND (0.000008378847)		0.00000147 J	ND (0.00000186) U	ND (0.00000482) U	ND (0.00000478) U	0.00000239 EMPC J
1,2,3,4,7,8-HXCDF	UG/L	T						ND (0.000007338648)		0.00000197 B	ND (0.00000247) U	ND (0.0000063) U	ND (0.00000288) U	0.000084
1,2,3,6,7,8-HXCDD	UG/L	T						ND (0.000008638282)		0.00000214 J	ND (0.00000177) U	ND (0.0000049) U	ND (0.00000522) U	0.0000056 J
1,2,3,6,7,8-HXCDF	UG/L	T						ND (0.000006688552)		0.0000018 J	ND (0.00000234) UJ	ND (0.00000638) U	ND (0.00000295) U	0.0000147 J
1,2,3,7,8,9-HXCDD	UG/L	T						ND (0.000009809524)		0.00000161 B	ND (0.00000203) U	ND (0.00000444) U	ND (0.00000498) U	0.00000416 EMPC J
1,2,3,7,8,9-HXCDF	UG/L	T						ND (0.000009133936)		ND (0.000000507)	ND (0.00000435) U	ND (0.00000868) U	ND (0.00000437) U	0.00000841 J
1,2,3,7,8-PECDF	UG/L	T						ND (0.000005532762)		ND (0.000000578)	ND (0.00000148) U	ND (0.00000134) U	ND (0.00000811) U	0.0000123 J
2,3,4,6,7,8-HXCDF	UG/L	T						ND (0.000007334865)		0.00000227 J	ND (0.00000307) U	ND (0.00000718) U	ND (0.00000345) U	0.0000128 J
2,3,4,7,8-PECDF	UG/L	T						ND (0.000006179532)		0.00000148 J	ND (0.0000014) U	ND (0.00000119) U	ND (0.00000697) U	0.00000632 EMPC J
2,3,7,8-TCDD	UG/L	T						ND (0.000009647596)		ND (0.00000103) U	ND (0.00000169) U	ND (0.00000373) U	ND (0.00000413) U	0.00000857 N
2,3,7,8-TCDF	UG/L	T						ND (0.000005797295)		ND (0.000000501)	ND (0.00000657) U	ND (0.00000117) U	ND (0.00000428) U	0.00000677
HPCDDs	UG/L	T									ND (0.00000292) U	ND (0.00000766) U	0.00000984 J	0.000301
HXCDDs	UG/L	T									ND (0.00000188) U	ND (0.00000471) U	ND (0.00000499) U	0.0000974 EMPC J
HXCDFs	UG/L	T									ND (0.00000297) U	ND (0.00000706) U	ND (0.00000336) U	0.000184 EMPC J
OCDD	UG/L	T						0.0000121 B		0.00000793	0.0000194 J	ND (0.00000242) U	ND (0.00000413) U	0.000351
OCDF	UG/L	T						0.00000288 J		0.0000067 J	ND (0.00000656) U	ND (0.00000229) U	ND (0.00000116) U	0.00256
TCDDs	UG/L	T						ND (0.000009647596)		0.00000298 EMPC B	ND (0.00000103) U	ND (0.00000169) U	0.00000624 EMPCJ	0.0000175 EMPC J

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S	
			Human Health				Duplicate	4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
				FS	FS	FS	FS	DUP	FS	FS				
TCDFS	UG/L	T				ND (0.000005797295)		0.00000232 EMPC	ND (0.000006657) U	ND (0.00000117) U	ND (0.00000428) U	0.0000652 EMPC		
TOTAL HPCDD	UG/L	T				ND (0.000009479817)		0.0000223 EMPC						
TOTAL HPCDF	UG/L	T				ND (0.000007552868)		0.0000101 B						
TOTAL HXCDD	UG/L	T				ND (0.000008924273)		0.0000222 EMPC						
TOTAL HXCDF	UG/L	T				ND (0.000007567809)		0.0000163 EMPC						
TOTAL PECDD	UG/L	T				ND (0.00000903896)		0.0000104 EMPC						
TOTAL PECDDS	UG/L	T							ND (0.00000131) U	ND (0.00000205) U	ND (0.00000924) U	0.0000289 EMPC		
TOTAL PECDF	UG/L	T				ND (0.000005846409)		0.0000129 EMPC						
TOTAL PECDFS	UG/L	T							ND (0.00000144) U	ND (0.00000126) U	ND (0.00000752) U	0.0000775 EMPC J		
PCB 1	UG/L	D												
PCB 1	UG/L	T				ND (0.00000239)		ND (0.00000143)	0.00000409 J	ND (0.00000128) U	ND (0.00000765) U	0.000164		
PCB 10	UG/L	T				ND (0.00000989)		ND (0.0000127)	ND (0.00000218) U	ND (0.0000027) U	ND (0.00000165) U	0.0000275		
PCB 103	UG/L	T				ND (0.00000315)		ND (0.00000298)	ND (0.000000965) U	ND (0.00000133) U	ND (0.00000142) U	0.000019		
PCB 105	UG/L	T				ND (0.00000312)		ND (0.00000258)	0.00000605 U*	ND (0.00000144) U	0.00000173 U*	0.000938		
PCB 109	UG/L	T				ND (0.00000233)		ND (0.00000221)	0.00000335 U*	ND (0.00000115) U	ND (0.00000123) U	0.000135		
PCB 11	UG/L	T				0.0000132 B		0.000012 B	0.000128 U*	0.0000395 U*	0.0000127 U*	0.000117 U*		
PCB 110	UG/L	T				ND (0.00000261)		0.00000553 J	0.0000181 U*	0.00000605 U*	0.00000736 U*	0.00272		
PCB 114	UG/L	T				ND (0.0000031)		ND (0.00000255)	ND (0.00000096) U	ND (0.00000139) U	ND (0.00000162) U	0.0000405		
PCB 117	UG/L	T				ND (0.00000296)		ND (0.00000261)	ND (0.00000117) U	ND (0.00000149) U	ND (0.00000139) U	ND (0.00000898) U		
PCB 118	UG/L	T				ND (0.00000285)		ND (0.00000256)	0.0000118 U*	0.00000364 U*	0.00000425 U*	0.00207		
PCB 123	UG/L	T				ND (0.00000304)		ND (0.00000264)	ND (0.000000951) U	ND (0.00000141) U	ND (0.00000159) U	0.0000188 EMPC		
PCB 130	UG/L	T				ND (0.00000386)		ND (0.00000302)	0.00000922 U*	ND (0.0000017) U	ND (0.00000195) U	0.000246		
PCB 131	UG/L	T				ND (0.00000331)		ND (0.0000028)	ND (0.000000951) U	ND (0.00000138) U	ND (0.00000162) U	0.0000387		
PCB 132	UG/L	T				ND (0.00000331)		ND (0.0000027)	0.00000795 U*	0.00000204 U*	0.00000223 U*	0.00102		
PCB 133	UG/L	T				ND (0.00000369)		ND (0.00000279)	0.00000512 U*	ND (0.00000137) U	ND (0.0000016) U	0.0000469		
PCB 134	UG/L	T				ND (0.00000401)		ND (0.00000297)	ND (0.00000121) U	ND (0.00000188) U	ND (0.00000198) U	0.000204		
PCB 136	UG/L	T				ND (0.00000251)		0.00000452 J	0.00000312 EMPC J	ND (0.00000104) U	ND (0.00000127) U	0.000345		
PCB 137	UG/L	T				ND (0.00000362)		ND (0.00000252)	ND (0.000000885) U	ND (0.00000126) U	ND (0.00000134) U	0.000115		
PCB 141	UG/L	T				ND (0.0000031)		ND (0.00000246)	0.000003 J	ND (0.00000132) U	ND (0.00000153) U	0.000488		
PCB 144	UG/L	T				ND (0.00000329)		ND (0.00000253)	ND (0.000001) U	ND (0.00000141) U	ND (0.00000165) U	0.000114		
PCB 146	UG/L	T				ND (0.00000291)		ND (0.00000223)	0.0000153 U*	ND (0.00000138) U	ND (0.00000161) U	0.000501		
PCB 148	UG/L	T				ND (0.00000381)		ND (0.0000026)	ND (0.000000951) U	ND (0.00000136) U	ND (0.00000158) U	0.0000382 EMPC J		
PCB 15	UG/L	T				ND (0.0000123)		ND (0.0000124)	0.0000042 J	ND (0.00000325) U	ND (0.00000382) U	0.000403		
PCB 150	UG/L	T				0.00000571 J		ND (0.00000169)	ND (0.000000723) U	ND (0.000000935) U	ND (0.00000115) U	ND (0.00000111) U		
PCB 154	UG/L	T				ND (0.00000304)		ND (0.00000212)	ND (0.000000878) U	ND (0.00000124) U	ND (0.00000142) U	0.0000406		
PCB 156	UG/L	T												
PCB 157	UG/L	T												
PCB 158	UG/L	T				ND (0.00000243)		ND (0.00000177)	0.00000167 EMPC J	ND (0.00000109) U	ND (0.00000126) U	0.000381		
PCB 159	UG/L	T				ND (0.00000319)		ND (0.00000211)	ND (0.000000993) U	ND (0.00000141) U	ND (0.00000108) U	0.0000213 EMPC		
PCB 16	UG/L	T				ND (0.0000035)		0.00000477 J	0.00000613 J	ND (0.00000288) U	ND (0.00000262) U	0.000678		
PCB 160	UG/L	T				ND (0.00000316)		ND (0.000002)	ND (0.000000815) U	ND (0.00000119) U	ND (0.00000137) U	ND (0.00000138) U		
PCB 162	UG/L	T				ND (0.00000366)		ND (0.00000204)	0.00000245 U*	ND (0.00000132) U	ND (0.000000985) U	ND (0.0000059) U		
PCB 164	UG/L	T				ND (0.00000237)		ND (0.00000191)	0.00000212 J	ND (0.000000975) U	ND (0.00000119) U	0.00022		
PCB 167	UG/L	T				ND (0.00000367)		ND (0.00000207)	0.00000351 J	ND (0.00000137) U	ND (0.00000107) U	0.000183		
PCB 169	UG/L	T				ND (0.00000358)		ND (0.00000237)	ND (0.00000121) U	ND (0.00000161) U	ND (0.00000138) U	ND (0.00000964) U		
PCB 17	UG/L	T				ND (0.00000291)		0.00000457 J	0.00000524 U*	ND (0.00000205) U	ND (0.00000188) U	0.000558		
PCB 170	UG/L	T				ND (0.0000026)		ND (0.00000379)	0.00000453 EMPC J	ND (0.00000218) U	ND (0.00000223) U	0.000838		
PCB 172	UG/L	T				ND (0.00000368)		ND (0.00000485)	ND (0.00000133) U	ND (0.00000227) U	ND (0.00000209) U	0.000141		
PCB 174	UG/L	T				ND (0.00000353)		ND (0.00000439)	0.00000446 J	ND (0.00000248) U	ND (0.00000226) U	0.000819		
PCB 175	UG/L	T				ND (0.00000395)		ND (0.00000458)	ND (0.00000138) U	ND (0.00000232) U	ND (0.00000218) U	0.0000394		
PCB 176	UG/L	T				ND (0.00000267)		ND (0.00000255)	ND (0.000000586) U	ND (0.00000104) U	ND (0.000000694) U	0.0000666		
PCB 177	UG/L	T				ND (0.00000374)		ND (0.00000486)	0.00000274 J	ND (0.00000265) U	ND (0.00000239) U	0.000498		
PCB 178	UG/L	T				ND (0.00000305)		ND (0.0000034)	ND (0.000000852) U	ND (0.00000158) U	ND (0.00000104) U	0.000119		
PCB 179	UG/L	T				ND (0.00000239)		ND (0.0000025)	0.00000292 J	ND (0.00000131) U	ND (0.000000864) U	0.00024		
PCB 183	UG/L	T				ND (0.00000323)		ND (0.00000455)	0.00000265 J	ND (0.0000019) U	ND (0.00000182) U	0.000442		
PCB 185	UG/L	T				ND (0.0000043)		ND (0.000004)	ND (0.00000113) U	ND (0.00000195) U	ND (0.00000179) U	ND (0.00000446) U		
PCB 187	UG/L	T				ND (0.00000336)		ND (0.00000398)	0.00000658 J	0.00000191 U*	ND (0.0000021) U	0.00112		
PCB 189	UG/L	T				ND (0.00000356)		ND (0.00000256)	ND (0.00000117) U	ND (0.00000142) U	ND (0.00000111) U	0.0000551		
PCB 19	UG/L	T				ND (0.00000373)		ND (0.0000031)	ND (0.00000207) U	ND (0.00000231) U	ND (0.00000218) U	0.000215		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S	
			Human Health				Ecological (DF=29,412)	4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0
PCB 190	UG/L	T				ND (0.00000198)		ND (0.0000028)	ND (0.00000117) U	ND (0.00000183) U	ND (0.00000189) U	0.000187		
PCB 191	UG/L	T				ND (0.00000288)		ND (0.00000352)	ND (0.00000117) U	ND (0.00000196) U	ND (0.00000185) U	0.0000353		
PCB 194	UG/L	T				ND (0.00000376)		ND (0.00000446)	0.00000436 J	ND (0.00000178) U	ND (0.00000127) U	0.00067		
PCB 195	UG/L	T				ND (0.00000397)		ND (0.00000488)	ND (0.00000149) U	ND (0.00000192) U	ND (0.00000129) U	0.000203		
PCB 196	UG/L	T				ND (0.00000296)		ND (0.00000256)	ND (0.00000104) U	ND (0.00000149) U	ND (0.0000014) U	0.000368		
PCB 197	UG/L	T				ND (0.00000223)		ND (0.00000178)	ND (0.000000753) U	ND (0.0000011) U	ND (0.000000983) U	0.0000242		
PCB 2	UG/L	T				ND (0.00000288)		ND (0.00000135)	0.00000566 J	ND (0.00000147) U	ND (0.000000915) U	0.0000383		
PCB 200	UG/L	T				ND (0.00000272)		ND (0.00000217)	ND (0.00000094) U	ND (0.00000134) U	ND (0.00000112) U	0.0000716		
PCB 201	UG/L	T				ND (0.00000253)		ND (0.00000204)	ND (0.000000891) U	ND (0.00000127) U	ND (0.00000113) U	0.000143		
PCB 202	UG/L	T				ND (0.00000303)		ND (0.00000195)	ND (0.000000828) U	ND (0.00000126) U	ND (0.00000114) U	0.0004		
PCB 203	UG/L	T				ND (0.00000287)		ND (0.00000228)	0.00000229 EMPC J	ND (0.00000159) U	ND (0.00000147) U	0.000623		
PCB 205	UG/L	T				ND (0.00000359)		ND (0.00000309)	ND (0.00000123) U	ND (0.00000144) U	ND (0.00000102) U	0.0000577		
PCB 206	UG/L	T				ND (0.00000126)		ND (0.00000604)	0.00000993	ND (0.00000383) U	ND (0.00000336) U	0.0126		
PCB 207	UG/L	T				ND (0.00000875)		ND (0.00000468)	ND (0.0000013) U	ND (0.00000267) U	ND (0.00000216) U	0.00101		
PCB 208	UG/L	T				ND (0.00000104)		ND (0.00000459)	0.00000403 J	ND (0.0000028) U	ND (0.00000229) U	0.00503		
PCB 209	UG/L	T				ND (0.00000641)		ND (0.00000285)	0.0000224	ND (0.00000158) U	ND (0.00000143) U	0.0283		
PCB 22	UG/L	T				ND (0.00000294)		0.00000402 J	0.0000043 U*	ND (0.00000232) U	ND (0.00000254) U	0.000451		
PCB 23	UG/L	T				ND (0.00000372)		ND (0.00000255)	ND (0.00000145) U	ND (0.00000227) U	ND (0.00000245) U	ND (0.00000308) U		
PCB 25	UG/L	T				ND (0.00000276)		ND (0.0000023)	ND (0.00000146) U	ND (0.00000214) U	ND (0.00000226) U	0.000098		
PCB 27	UG/L	T				ND (0.00000236)		ND (0.00000226)	ND (0.00000161) U	ND (0.00000173) U	ND (0.00000162) U	0.000106		
PCB 3	UG/L	T				ND (0.00000325)		ND (0.00000154)	0.00000444 J	ND (0.0000014) U	ND (0.000000878) U	0.0000852		
PCB 31	UG/L	T				0.00000331 B		0.000011	0.00000907 U*	0.00000302 U*	ND (0.00000209) U	0.000994		
PCB 32	UG/L	T				ND (0.00000205)		0.00000569 J	0.0000037 U*	ND (0.00000142) U	ND (0.00000132) U	0.000359		
PCB 34	UG/L	T				ND (0.00000333)		ND (0.00000262)	ND (0.00000155) U	ND (0.00000235) U	ND (0.00000258) U	0.0000113		
PCB 35	UG/L	T				ND (0.00000325)		ND (0.00000271)	ND (0.00000162) U	ND (0.00000248) U	ND (0.00000283) U	0.0000259		
PCB 37	UG/L	T				ND (0.00000342)		ND (0.00000302)	ND (0.0000017) U	ND (0.00000241) U	ND (0.00000278) U	0.000455		
PCB 38	UG/L	T				ND (0.00000341)		ND (0.00000267)	ND (0.00000143) U	ND (0.00000223) U	ND (0.00000247) U	ND (0.00000306) U		
PCB 39	UG/L	T				ND (0.00000331)		ND (0.00000231)	ND (0.00000142) U	ND (0.00000211) U	ND (0.00000244) U	ND (0.00000308) U		
PCB 4	UG/L	D												
PCB 4	UG/L	T				ND (0.00000173)		ND (0.00000171)	0.00000871 U*	ND (0.00000487) U	ND (0.00000312) U	0.000855		
PCB 41	UG/L	T				ND (0.00000465)		ND (0.0000033)	ND (0.00000117) U	ND (0.00000144) U	ND (0.00000156) U	0.0000675		
PCB 42	UG/L	T				ND (0.00000474)		0.00000328 J	ND (0.00000125) U	ND (0.00000149) U	ND (0.00000172) U	0.000259		
PCB 43	UG/L	T				ND (0.00000493)		ND (0.00000327)	ND (0.00000143) U	ND (0.00000166) U	ND (0.00000186) U	0.0000397		
PCB 45	UG/L	T				ND (0.00000477)		ND (0.00000303)	ND (0.00000104) U	ND (0.00000126) U	ND (0.00000132) U	0.000144		
PCB 46	UG/L	T				ND (0.00000477)		ND (0.000003)	ND (0.00000112) U	ND (0.00000137) U	ND (0.00000152) U	0.0000578		
PCB 48	UG/L	T				ND (0.000004)		ND (0.00000261)	ND (0.000000974) U	ND (0.00000116) U	ND (0.00000133) U	0.000176		
PCB 5	UG/L	T				ND (0.00000113)		ND (0.00000106)	ND (0.00000234) U	ND (0.00000303) U	ND (0.00000345) U	ND (0.00000398) U		
PCB 51	UG/L	T				ND (0.00000415)		ND (0.00000248)	ND (0.00000104) U	ND (0.00000124) U	ND (0.00000146) U	0.0000351		
PCB 52	UG/L	T				0.00000145 B		0.00000113	0.00000112 U*	0.00000603 U*	0.00000833 U*	0.00125		
PCB 54	UG/L	T				ND (0.00000288)		ND (0.00000134)	ND (0.000000639) U	ND (0.000000724) U	ND (0.000000824) U	0.00000303 J		
PCB 56	UG/L	T				ND (0.00000407)		0.00000225	0.00000253 EMPC J	ND (0.00000164) U	ND (0.00000215) U	0.000481		
PCB 57	UG/L	T				ND (0.00000479)		ND (0.0000025)	ND (0.00000083) U	ND (0.00000142) U	ND (0.00000193) U	ND (0.00000424) U		
PCB 6	UG/L	T				ND (0.0000011)		ND (0.00000105)	0.00000312 U*	ND (0.00000316) U	ND (0.00000369) U	0.000159		
PCB 60	UG/L	T				ND (0.00000407)		ND (0.00000237)	ND (0.00000081) U	ND (0.00000144) U	ND (0.00000187) U	0.000173		
PCB 63	UG/L	T				ND (0.00000457)		ND (0.00000236)	ND (0.000000705) U	ND (0.00000122) U	ND (0.00000163) U	0.0000372		
PCB 64	UG/L	T				ND (0.00000334)		0.00000358 J	0.00000276 U*	ND (0.000000797) U	ND (0.000000895) U	0.000319		
PCB 66	UG/L	T				ND (0.00000393)		0.0000038 J	0.00000433 U*	0.00000203 U*	ND (0.00000212) U	0.00103		
PCB 67	UG/L	T				ND (0.00000388)		ND (0.00000214)	ND (0.000000849) U	ND (0.00000145) U	ND (0.00000194) U	0.0000315		
PCB 68	UG/L	T				ND (0.00000452)		ND (0.00000217)	ND (0.000000828) U	ND (0.00000141) U	ND (0.00000191) U	0.00000712 EMPC J		
PCB 7	UG/L	T				ND (0.00000107)		ND (0.000001)	ND (0.00000226) U	ND (0.00000279) U	ND (0.00000328) U	0.0000226		
PCB 72	UG/L	T				ND (0.00000408)		ND (0.00000235)	ND (0.000000834) U	ND (0.00000141) U	ND (0.0000019) U	0.0000158		
PCB 77	UG/L	T				ND (0.00000483)		ND (0.00000304)	ND (0.000000976) U	ND (0.00000172) U	ND (0.00000238) U	0.000108		
PCB 8	UG/L	T				ND (0.00000107)		ND (0.00000102)	0.00000105 U*	ND (0.00000316) U	ND (0.0000037) U	0.000762		
PCB 82	UG/L	T				ND (0.00000404)		ND (0.00000375)	ND (0.00000151) U	ND (0.0000022) U	ND (0.00000232) U	0.000257		
PCB 83	UG/L	T				ND (0.000004)		ND (0.00000378)	ND (0.00000139) U	ND (0.0000019) U	ND (0.00000201) U	0.000131		
PCB 84	UG/L	T				0.00000147 EMPC		ND (0.00000348)	0.0000034 U*	ND (0.00000176) U	ND (0.00000185) U	0.000501		
PCB 88	UG/L	T				ND (0.00000516)		ND (0.00000354)	ND (0.0000014) U	ND (0.00000209) U	ND (0.00000212) U	ND (0.00000109) U		
PCB 9	UG/L	T				ND (0.00000108)		ND (0.00000105)	0.0000033 J	ND (0.00000316) U	ND (0.00000366) U	0.0000434		
PCB 91	UG/L	T				ND (0.00000331)		ND (0.00000298)	0.00000249 U*	ND (0.00000124) U	ND (0.00000137) U	0.000181		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S	
			Human Health				Duplicate	4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
				FS	FS	FS	FS	DUP	FS	FS				
PCB 92	UG/L	T				ND (0.00000376)		ND (0.00000332)	0.00000294 U*	ND (0.00000188) U	ND (0.00000201) U	0.000421		
PCB 95	UG/L	T				0.0000111 B		0.00000848 J	0.00000864 U*	0.00000564 U*	0.00000612 U*	0.00138		
PCB 96	UG/L	T				ND (0.00000201)		ND (0.00000193)	ND (0.000000839) U	ND (0.00000095) U	ND (0.000000679) U	0.0000136		
PCB 99	UG/L	T				ND (0.00000284)		ND (0.00000284)	0.00000711 J	0.00000308 U*	0.00000404 U*	0.000831		
PCB-106/118	UG/L	T												
PCB-107/124	UG/L	T				ND (0.00000274)		ND (0.00000242)	ND (0.00000096) U	ND (0.0000014) U	ND (0.00000151) U	0.0000761		
PCB-108/119/86/97/125/87	UG/L	T				ND (0.0000032)		ND (0.0000027)	0.00000883 J	0.00000426 U*	0.00000567 U*	0.00136		
PCB-113/90/101	UG/L	T				0.0000126 EMPC		0.00000977	0.0000119 U*	0.00000764 U*	0.0000082 U*	0.00195		
PCB-116/85	UG/L	T				ND (0.00000352)		ND (0.00000268)	ND (0.000000954) U	ND (0.00000144) U	ND (0.00000164) U	0.000289		
PCB-128/166	UG/L	T				ND (0.00000379)		ND (0.0000024)	0.00000453 U*	ND (0.0000015) U	ND (0.00000115) U	0.000773		
PCB-13/12	UG/L	T				ND (0.0000126)		ND (0.00001)	ND (0.00000244) U	ND (0.00000311) U	ND (0.00000366) U	ND (0.00000433) U		
PCB-139/140	UG/L	T				ND (0.00000348)		ND (0.00000241)	ND (0.000000896) U	ND (0.0000013) U	ND (0.00000151) U	0.0000502		
PCB-147/149	UG/L	T				ND (0.00000293)		0.0000171	0.0000181 B	0.00000439 U*	0.00000531 U*	0.00196		
PCB-151/135	UG/L	T				ND (0.00000327)		0.0000135	0.000012 U*	ND (0.00000137) U	ND (0.00000156) U	0.000844		
PCB-153/168	UG/L	T				ND (0.00000271)		0.0000157 B	0.0000184 U*	0.00000397 U*	0.00000354 U*	0.00234		
PCB-156/157	UG/L	T				ND (0.00000471)		ND (0.00000286)	0.00000358 U*	ND (0.00000185) U	ND (0.00000149) U	0.000707		
PCB-163/138/129	UG/L	T				ND (0.00000313)		0.0000108 B	0.000022 U*	0.00000673 U*	0.0000066 U*	0.00351		
PCB-171/173	UG/L	T				ND (0.00000387)		ND (0.00000477)	ND (0.0000014) U	ND (0.00000245) U	ND (0.00000224) U	0.000249		
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T				ND (0.00000289)		0.00000956 B	0.0000107 J	ND (0.00000189) U	0.00000248 U*	0.00168		
PCB-198/199	UG/L	T				ND (0.00000314)		ND (0.00000254)	0.00000642 J	ND (0.00000184) U	ND (0.00000168) U	0.00149		
PCB-21/33	UG/L	T				ND (0.00000336)		0.00000624 J	0.00000596 J	ND (0.000002) U	ND (0.0000022) U	0.000626		
PCB-26/29	UG/L	T				ND (0.00000303)		ND (0.00000249)	0.00000222 EMPC J	ND (0.00000214) U	ND (0.00000234) U	0.000205		
PCB-28/20	UG/L	T				0.00000744 B		0.0000112 B	0.0000115 U*	0.00000364 U*	ND (0.00000251) U	0.00134		
PCB-30/18	UG/L	T				0.00000522 B		0.0000132	0.0000146 U*	0.00000482 U*	0.00000335 U*	0.00144		
PCB-44/47/65	UG/L	T				0.00000646 B		0.0000101	0.0000105 U*	0.00000435 J	0.00000461 J	0.00097		
PCB-50/53	UG/L	T				ND (0.00000458)		0.00000264 J	ND (0.000000989) U	ND (0.00000118) U	ND (0.00000129) U	0.000132		
PCB-59/62/75	UG/L	T				ND (0.00000348)		ND (0.00000205)	ND (0.000000783) U	ND (0.000000918) U	ND (0.00000103) U	0.000079		
PCB-61/70/74/76	UG/L	T				ND (0.00000409)		0.00000811 J	0.00000964 U*	0.00000404 U*	0.00000486 U*	0.00189		
PCB-69/49	UG/L	T				0.00000378 B		0.00000548 J	0.00000428 U*	0.00000222 U*	0.00000238 J	0.000592		
PCB-71/40	UG/L	T				ND (0.00000383)		0.00000463 J	0.00000355 J	ND (0.00000124) U	ND (0.00000145) U	0.000379		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T												
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000132 B		0.000012 B	0.000158 J	0.0000395 U*	0.0000127 U*	0.00239 J		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000347)		0.00000956 B	0.0000346 EMPC J	0.00000191 U*	0.00000248 U*	0.00653		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000571 B		0.0000616	0.000132 EMPC J	0.0000171 U*	0.0000177 U*	0.0142 EMPC J		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000282)		ND (0.00000149)	0.0000142 J	ND (0.00000134) U	ND (0.000000822) U	0.000287		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000115)		ND (0.00000532)	0.000014 J	ND (0.00000332) U	ND (0.00000283) U	0.0186		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000331)		ND (0.00000252)	0.0000131 EMPC J	ND (0.00000135) U	ND (0.00000108) U	0.00405		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02									
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000384 B		0.0000238 EMPC	0.0000846 EMPC J	0.0000303 U*	0.0000374 U*	0.0133 J		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000247 B		0.0000552 EMPC	0.0000488 EMPC J	0.0000187 J	0.0000202 J	0.00828 EMPC J		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000016 B		0.0000607 EMPC	0.0000627 EMPC J	0.0000115 U*	0.00000335 U*	0.00756		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06				110 J		ND (80.2)	227		
ALUMINUM	UG/L	T							5800		220	19100		
ANTIMONY	UG/L	D		1.58E+08	8.82E+05				ND (9.7)		ND (9.7)	ND (9.7)		
ANTIMONY	UG/L	T					ND (0.3)	ND (0.3)	ND (9.7)		ND (9.7)	ND (9.7)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06				ND (0.7)		ND (0.7)	3.5		
ARSENIC	UG/L	T					9.8	11.1	ND (0.7)		ND (0.7)	21		
BARIUM	UG/L	D		7.90E+10	1.18E+05				56.6		55.8	337		
BARIUM	UG/L	T							61.1		56.6	628		
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04				ND (0.9)		ND (0.9)	ND (0.9)		
BERYLLIUM	UG/L	T							ND (0.9)		ND (0.9)	1.4 J		
CADMIUM	UG/L	D		1.98E+08	2.65E+04				ND (0.9)		ND (0.9)	1.4 J		
CADMIUM	UG/L	T							ND (0.9)		ND (0.9)	4.9 J		
CALCIUM	UG/L	D							24500		22700	177000		
CALCIUM	UG/L	T							26100		24800	179000		
CHROMIUM	UG/L	D			4.76E+06				ND (2.3)		ND (2.3)	5.7 J		
CHROMIUM	UG/L	T							30.8		14.7 J	157		

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-1	MW-1	MW-1	MW-18D	MW-18D	MW-18D	MW-18S	
			Human Health				Date	4/23/10	10/8/10	4/7/11	5/25/07	8/23/07	8/23/07	5/25/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
Duplicate						FS	FS	FS	FS	DUP	FS	FS		
COBALT	UG/L	D		1.41E+08	6.76E+05					ND (2.1)		ND (2.1)	2.1 J	
COBALT	UG/L	T								6		ND (2.1)	17.2	
COPPER	UG/L	D		1.58E+10	2.68E+05					ND (2.2)		ND (2.2)	ND (2.2) UJ	
COPPER	UG/L	T								10.4		ND (2.2)	132 J	
FERROUS IRON	UG/L	T								7400		7800 J	107000	
IRON	UG/L	D		2.77E+11	2.94E+07					6530		6730	79700	
IRON	UG/L	T								16400		8470	140000	
LEAD	UG/L	D			4.71E+05					0.089 B		ND (0.047)	1.7	
LEAD	UG/L	T								1.8		0.48 J	146	
MAGNESIUM	UG/L	D								5390		5180	138000	
MAGNESIUM	UG/L	T								5900		5510	148000	
MANGANESE	UG/L	D		5.53E+10	3.38E+07					85.2		79.8	1290	
MANGANESE	UG/L	T								109		100	2080	
MERCURY	UG/L	D		1.19E+08	3.53E+02			7340	4480	ND (0.056)		ND (0.056) UJ	ND (0.056)	
MERCURY	UG/L	T								ND (0.056)		ND (0.056)	0.21 J	
NICKEL	UG/L	D		1.00E+10	3.59E+06					ND (5.6)		ND (5.6)	12.1	
NICKEL	UG/L	T								11.9		13.5	82	
POTASSIUM	UG/L	D								3080		3080	192000	
POTASSIUM	UG/L	T								3410		4160	177000	
SELENIUM	UG/L	D		1.98E+09	1.47E+05					ND (9.4)		ND (9.4)	ND (9.4)	
SELENIUM	UG/L	T								ND (9.4)		ND (9.4)	ND (9.4)	
SILVER	UG/L	D		2.21E+09	2.65E+05					ND (1.6)		ND (1.6)	ND (1.6)	
SILVER	UG/L	T								ND (1.6)		ND (1.6)	2.2 J	
SODIUM	UG/L	D								12900		12300	165000	
SODIUM	UG/L	T								13100		13200	150000	
THALLIUM	UG/L	D		3.95E+06	1.18E+06					ND (0.037)		ND (0.037)	ND (0.037)	
THALLIUM	UG/L	T						0.2 J	0.19 J	ND (0.037)		ND (0.037)	0.36 J	
TITANIUM	UG/L	D								3.9 J		ND (2.8)	16.6 J	
TITANIUM	UG/L	T								150		9.2 J	1070 J	
VANADIUM	UG/L	D		2.77E+07	5.88E+05					ND (1.5)		ND (1.5)	2 J	
VANADIUM	UG/L	T								32.8		2.1 J	81.5	
ZINC	UG/L	D		1.33E+11	2.41E+06					ND (8.1)		ND (8.1)	37	
ZINC	UG/L	T								13.2 J		ND (8.1)	566	
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T								86500		88400	682000	
AMMONIA	UG/L	T		1.34E+13						ND (200)		430 J	12100 J	
CHLORIDE	UG/L	T								15600		16700	569000	
CYANIDE	UG/L	T		8.45E+09	1.53E+05					ND (5)		ND (5)	ND (5) UJ	
FERRIC IRON	UG/L	T								9000		690 J	33000	
NITRATE	UG/L	T		6.32E+11						ND (40) UJ		ND (40)	ND (40) UJ	
NITRITE	UG/L	T		3.95E+10						ND (15) UJ		ND (15) UJ	91 J	
PHOSPHORUS	UG/L	T								ND (250)		ND (250)	580	
SILICA	UG/L	T								21300		22100 J	33500	
SULFATE	UG/L	T								ND (10000)		3500 J	ND (25000)	
SULFIDE	UG/L	T								91 J		97 J	ND (54) UJ	
TOTAL DISSOLVED SOLIDS	UG/L	T												
TOTAL HARDNESS AS CaCO3	UG/L	T											1080000 J	
TOTAL ORGANIC CARBON	UG/L	T								ND (1000)		2100	24600	
TOTAL SUSPENDED SOLIDS	UG/L	T								133000		36400	318000	
COLOR QUALITATIVE (FIELD)	NS	T				NS		NS	Clear	Lt. Tan		clr	Clear	
DEPTH TO WATER FROM TOC	Feet	T												
DISSOLVED OXYGEN (FIELD)	UG/L	T				190		-2500	720	630		450	780	
ODOR (FIELD)	NS	T				NS		NS	None	No		no	No	
OVABZONE	PPM	T				NS		NS		NR			NR	
OVACASING	PPM	T				NS		NS		NR			NR	
REDOX (FIELD)	MV	T												
TOTAL WELL DEPTH	Feet	T				NS		NS						
TURBIDITY QUANTITATIVE (FIELD)	NTU	T												
HPCDFS	UG/L	T								ND (0.00000148) U		ND (0.000000868) U	ND (0.000000548) U	
TOTAL HPCDDS	UG/L	T											0.00035	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19-D
			Human Health			Date	8/23/07	8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0		
Duplicate	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05			ND (0.8)	ND (0.8)	ND (0.8)			
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06			ND (1)	ND (1)	ND (1)			
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05			ND (0.8)	ND (0.8)	ND (0.8)			
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04			ND (1)	ND (1)	ND (1)			
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05			ND (1)	ND (1)	ND (1)			
ACETONE	UG/L	T		4.08E+11	4.41E+07			8 J	10 J	13 J			
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07			ND (0.5)	ND (0.5)	ND (0.5)			
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04			ND (1)	ND (1)	ND (1)			
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04			ND (0.8)	ND (0.8)	ND (0.8)			
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04			ND (0.8)	ND (0.8)	ND (0.8)			
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05			ND (0.8)	ND (0.8)	ND (0.8)			
ETHYL CHLORIDE	UG/L	T						ND (1)	ND (1)	ND (1)			
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06			ND (0.8)	ND (0.8)	ND (0.8)			
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06			ND (1)	ND (1)	ND (1)			
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08			ND (3)	ND (3)	ND (3)			
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06			ND (2)	ND (2)	ND (2)			
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06			ND (0.8)	ND (0.8)	ND (0.8)			
TOLUENE	UG/L	T		3.52E+09	5.88E+04			ND (0.7)	ND (0.7)	ND (0.7)			
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05			ND (0.8)	ND (0.8)	ND (0.8)			
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05			ND (1)	ND (1)	ND (1)			
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07			ND (1)	ND (1)	ND (1)			
XYLENES	UG/L	T		5.98E+09	3.82E+05			ND (0.8)	ND (0.8)	ND (0.8)			
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07			ND (3)	ND (3)	ND (3)			
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05			ND (1)	ND (1)	ND (1)			
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09				ND (1)	ND (1)	ND (1)			
ACENAPHTHENE	UG/L	T		1.01E+09				ND (1)	ND (1)	ND (1)			
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02			ND (1)	ND (1)	ND (1)			
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02			ND (1)	ND (1)	ND (1)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05			4 J	ND (2)	ND (2)			
CARBAZOLE	UG/L	T		5.29E+08				ND (1)	ND (1)	ND (1)			
CHRYSENE	UG/L	T	9.83E+01		1.18E+02			ND (1)	ND (1)	ND (1)			
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05			ND (1)	ND (1)	ND (1)			
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05			ND (2)	280	24			
FLUORENE	UG/L	T		5.29E+08	8.82E+04			ND (1)	ND (1)	ND (1)			
HEXACHLOROETHANE	UG/L	T			8.82E+00			ND (1)	ND (1)	ND (1)			
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04			ND (1)	ND (1)	ND (1)			
PHENANTHRENE	UG/L	T			1.18E+04			ND (1)	ND (1)	ND (1)			
1,2,3,4,6,7,8-HPCDD	UG/L	T						ND (0.00000323) U	ND (0.00000262) U	ND (0.00000179) U	ND (0.000000452) U	ND (0.00000138) U	ND (0.000004592644) U
1,2,3,4,6,7,8-HPCDF	UG/L	T						ND (0.00000225) U	ND (0.00000236) U	ND (0.00000118) U	ND (0.000000463) U	ND (0.000000737) U	ND (0.000002487232) U
1,2,3,4,7,8,9-HPCDF	UG/L	T						ND (0.00000207) U	ND (0.0000011) U	ND (0.00000189) U	ND (0.000000805) U	ND (0.00000109) U	ND (0.000003429854) U
1,2,3,4,7,8-HXCDD	UG/L	T						ND (0.00000156) U	ND (0.00000162) U	ND (0.00000176) U	ND (0.000000422) U	ND (0.000000936) U	ND (0.000002854764) U
1,2,3,4,7,8-HXCDF	UG/L	T						ND (0.00000059) U	ND (0.000000356) U	ND (0.000000278) U	ND (0.000000316) U	ND (0.000000484) U	ND (0.000001878025) U
1,2,3,6,7,8-HXCDD	UG/L	T						ND (0.00000016) U	ND (0.00000017) U	ND (0.000000175) U	ND (0.000000446) U	ND (0.000000909) U	ND (0.000002696534) U
1,2,3,6,7,8-HXCDF	UG/L	T						ND (0.000000668) U	ND (0.00000042) U	ND (0.000000265) U	ND (0.000000321) U	ND (0.000000454) U	ND (0.000001756956) U
1,2,3,7,8,9-HXCDD	UG/L	T						ND (0.00000158) U	ND (0.00000162) U	ND (0.00000199) U	ND (0.000000428) U	ND (0.00000105) U	ND (0.00000309842) U
1,2,3,7,8,9-HXCDF	UG/L	T						ND (0.00000109) U	ND (0.000000627) U	ND (0.000000471) U	ND (0.000000464) U	ND (0.000000619) U	ND (0.000002867785) U
1,2,3,7,8-PECDF	UG/L	T						ND (0.0000022) U	ND (0.00000157) U	ND (0.00000193) U	ND (0.000000776) U	ND (0.000000824) U	ND (0.000001671898) U
2,3,4,6,7,8-HXCDF	UG/L	T						ND (0.000000805) U	ND (0.000000522) U	ND (0.000000346) U	ND (0.000000037) U	ND (0.000000504) U	ND (0.00000188706) U
2,3,4,7,8-PECDF	UG/L	T						ND (0.00000176) U	ND (0.00000118) U	ND (0.00000169) U	ND (0.000000677) U	ND (0.000000788) U	ND (0.000001480627) U
2,3,7,8-TCDD	UG/L	T						ND (0.000000713) U	ND (0.00000116) U	ND (0.000000449) U	ND (0.000000479) U	ND (0.000000784) U	ND (0.000002596497) U
2,3,7,8-TCDF	UG/L	T						ND (0.000000591) U	ND (0.000000333) U	ND (0.000000561) U	ND (0.000000256) U	ND (0.000000965) U	ND (0.000001305163) U
HPCDDs	UG/L	T						ND (0.00000323) U	ND (0.00000262) U	ND (0.00000179) U	ND (0.000000452) U		
HXCDDs	UG/L	T						ND (0.00000158) U	ND (0.00000164) U	ND (0.00000184) U	ND (0.000000431) U		
HXCDFs	UG/L	T						ND (0.00000076) U	ND (0.000000467) U	ND (0.000000331) U	ND (0.000000362) U		
OCDD	UG/L	T						0.0000109 J	0.00000908 J	0.00000397 U	ND (0.00000225) U	ND (0.00000257) U	0.0000155 B
OCDF	UG/L	T						ND (0.00000432) U	ND (0.0000051) U	ND (0.00000783) U	ND (0.00000146) U	ND (0.00000397) U	ND (0.000005592041) U
TCDDs	UG/L	T						0.00000136 U*	0.000000981 U*	0.000000844 U*	ND (0.000000479) U	ND (0.000000784) U	ND (0.000002596497) U

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D		
			Human Health				Ecological (DF=29,412)	8/23/07	8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	Bottom (ft)	FS	FS	FS	FS	FS	FS
								0	0	DUP	FS	FS	FS	FS	FS
TCDFS	UG/L	T				ND (0.00000591) U	ND (0.00000333) U	ND (0.00000561) U	ND (0.00000256) U		ND (0.00000965)	ND (0.00001305163)			
TOTAL HPCDD	UG/L	T									ND (0.0000138)	ND (0.00004592644)			
TOTAL HPCDF	UG/L	T									ND (0.0000089)	ND (0.00002890218)			
TOTAL HXCDD	UG/L	T									ND (0.00000961)	ND (0.0000287014)			
TOTAL HXCDF	UG/L	T									ND (0.0000051)	ND (0.00002046343)			
TOTAL PECDD	UG/L	T									ND (0.0000012)	ND (0.000002502124)			
TOTAL PECDDS	UG/L	T				ND (0.00000263) U	ND (0.00000178) U	ND (0.00000105) U	ND (0.00000116) U						
TOTAL PECDF	UG/L	T									ND (0.00000807)	ND (0.000001571785)			
TOTAL PECDFS	UG/L	T				ND (0.00000197) U	ND (0.00000136) U	ND (0.0000018) U	ND (0.000000725) U						
PCB 1	UG/L	D													
PCB 1	UG/L	T				0.0000765	0.000075	0.0000035 J	0.00000178 EMPCJ		ND (0.00000113)	ND (0.00000183)			
PCB 10	UG/L	T				0.0000138	0.0000126	ND (0.00000142) U	ND (0.00000196) U		ND (0.00000649)	ND (0.00000956)			
PCB 103	UG/L	T				ND (0.00000229) U	ND (0.00000212) U	ND (0.00000103) U	ND (0.00000112) U		ND (0.00000212)	ND (0.00000158)			
PCB 105	UG/L	T				0.00000882 U*	0.00000788 U*	0.0000054 U*	ND (0.0000013) U		ND (0.0000022)	ND (0.00000135)			
PCB 109	UG/L	T				ND (0.00000185) U	ND (0.00000172) U	0.00000394 U*	ND (0.00000097) U		ND (0.00000185)	ND (0.00000123)			
PCB 11	UG/L	T				0.0000363 U*	0.0000496 U*	0.0000642 U*	0.0000079 U*		0.0000453 J	0.0000289 B			
PCB 110	UG/L	T				0.0000416 B	0.0000382 B	0.0000177 U*	0.00000528 U*		0.00000317 J	0.00000308 J			
PCB 114	UG/L	T				ND (0.00000227) U	ND (0.00000205) U	ND (0.00000103) U	ND (0.00000125) U		ND (0.00000217)	ND (0.00000141)			
PCB 117	UG/L	T				ND (0.0000023) U	ND (0.00000213) U	ND (0.00000125) U	ND (0.00000109) U		ND (0.00000209)	ND (0.00000137)			
PCB 118	UG/L	T				0.0000216 U*	0.0000191 U*	0.0000104 U*	0.00000228 U*		ND (0.00000238)	0.00000249 J			
PCB 123	UG/L	T				ND (0.00000222) U	ND (0.00000206) U	ND (0.00000101) U	ND (0.00000126) U		ND (0.00000233)	ND (0.00000155)			
PCB 130	UG/L	T				ND (0.0000027) U	ND (0.0000023) U	0.00000933 U*	ND (0.00000139) U		ND (0.00000272)	ND (0.00000208)			
PCB 131	UG/L	T				ND (0.00000226) U	ND (0.00000192) U	ND (0.000000884) U	ND (0.00000115) U		ND (0.00000229)	ND (0.00000182)			
PCB 132	UG/L	T				0.0000115 U*	0.0000111 U*	0.00000624 U*	ND (0.00000114) U		ND (0.00000224)	ND (0.0000018)			
PCB 133	UG/L	T				ND (0.00000217) U	ND (0.00000185) U	0.00000448 U*	ND (0.00000113) U		ND (0.00000251)	ND (0.000002)			
PCB 134	UG/L	T				ND (0.00000296) U	ND (0.00000252) U	ND (0.00000112) U	ND (0.00000141) U		ND (0.00000254)	ND (0.00000214)			
PCB 136	UG/L	T				0.00000658 J	0.00000605 J	ND (0.000000707) U	ND (0.000000952) U		ND (0.00000205)	ND (0.00000141)			
PCB 137	UG/L	T				ND (0.00000194) U	ND (0.00000165) U	ND (0.000000822) U	ND (0.000000949) U		ND (0.00000238)	ND (0.00000206)			
PCB 141	UG/L	T				0.00000534 EMPCJ	0.00000525 J	ND (0.000000825) U	ND (0.00000109) U		ND (0.00000209)	ND (0.0000017)			
PCB 144	UG/L	T				ND (0.0000023) U	ND (0.00000196) U	ND (0.00000093) U	ND (0.00000117) U		ND (0.00000218)	ND (0.00000187)			
PCB 146	UG/L	T				0.00000799 J	0.00000555 EMPCJ	0.0000146 U*	ND (0.00000114) U		ND (0.00000195)	ND (0.00000158)			
PCB 148	UG/L	T				ND (0.00000226) U	ND (0.00000192) U	ND (0.000000883) U	ND (0.00000112) U		ND (0.0000025)	ND (0.00000213)			
PCB 15	UG/L	T				0.0000145	0.000014	0.0000045 J	ND (0.00000199) U		ND (0.0000091)	ND (0.00000102)			
PCB 150	UG/L	T				ND (0.00000156) U	ND (0.00000152) U	ND (0.000000626) U	ND (0.000000857) U		ND (0.00000225)	ND (0.00000148)			
PCB 154	UG/L	T				ND (0.00000202) U	ND (0.00000172) U	ND (0.000000815) U	ND (0.00000101) U		ND (0.00000197)	ND (0.00000167)			
PCB 156	UG/L	T													
PCB 157	UG/L	T													
PCB 158	UG/L	T				0.00000364 J	ND (0.00000147) U	ND (0.00000073) U	ND (0.000000892) U		ND (0.00000171)	ND (0.00000126)			
PCB 159	UG/L	T				ND (0.0000023) U	ND (0.00000229) U	ND (0.000000841) U	ND (0.000000757) U		ND (0.00000241)	ND (0.00000141)			
PCB 16	UG/L	T				0.0000973 J	0.000127 J	0.00000484 J	0.0000025 EMPCJ		ND (0.00000313)	ND (0.00000378)			
PCB 160	UG/L	T				ND (0.0000019) U	ND (0.00000161) U	ND (0.000000757) U	ND (0.000000976) U		ND (0.00000221)	ND (0.0000016)			
PCB 162	UG/L	T				ND (0.00000209) U	ND (0.00000208) U	0.00000218 U*	ND (0.000000689) U		ND (0.00000267)	ND (0.00000162)			
PCB 164	UG/L	T				ND (0.00000151) U	ND (0.00000129) U	0.00000197 J	ND (0.000000843) U		ND (0.00000171)	ND (0.00000122)			
PCB 167	UG/L	T				ND (0.00000218) U	ND (0.00000217) U	0.00000356 J	ND (0.000000745) U		ND (0.00000285)	ND (0.00000161)			
PCB 169	UG/L	T				ND (0.0000026) U	ND (0.00000265) U	ND (0.00000101) U	ND (0.000000944) U		ND (0.0000033)	ND (0.00000162)			
PCB 17	UG/L	T				0.0000643 J	0.0000801 J	0.00000467 U*	0.00000261 J		ND (0.00000236)	ND (0.00000308)			
PCB 170	UG/L	T				0.00000744 U*	ND (0.0000031) U	ND (0.00000137) U	ND (0.00000205) U		ND (0.00000318)	ND (0.000002)			
PCB 172	UG/L	T				ND (0.00000239) U	ND (0.000003) U	ND (0.00000125) U	ND (0.00000186) U		ND (0.00000307)	ND (0.00000209)			
PCB 174	UG/L	T				0.00000779 U*	0.00000687 J	ND (0.00000129) U	ND (0.00000201) U		ND (0.00000292)	ND (0.00000207)			
PCB 175	UG/L	T				ND (0.00000246) U	ND (0.00000309) U	ND (0.00000131) U	ND (0.00000195) U		ND (0.00000306)	ND (0.00000226)			
PCB 176	UG/L	T				ND (0.0000013) U	ND (0.0000012) U	ND (0.00000059) U	ND (0.0000006) U		ND (0.00000195)	ND (0.00000151)			
PCB 177	UG/L	T				ND (0.00000278) U	ND (0.00000349) U	ND (0.00000142) U	ND (0.00000213) U		ND (0.00000302)	ND (0.00000212)			
PCB 178	UG/L	T				ND (0.00000198) U	ND (0.00000182) U	ND (0.000000859) U	ND (0.000000901) U		ND (0.00000228)	ND (0.00000172)			
PCB 179	UG/L	T				0.00000479 U*	0.00000448 U*	ND (0.000000728) U	ND (0.000000747) U		ND (0.0000017)	ND (0.00000136)			
PCB 183	UG/L	T				0.00000407 EMPCJ	ND (0.0000025) U	ND (0.00000107) U	ND (0.00000162) U		ND (0.00000234)	ND (0.00000179)			
PCB 185	UG/L	T				ND (0.00000203) U	ND (0.00000255) U	ND (0.00000107) U	ND (0.0000016) U		ND (0.00000377)	ND (0.00000252)			
PCB 187	UG/L	T				0.0000129 B	0.000011 B	ND (0.00000123) U	ND (0.00000187) U		ND (0.00000265)	ND (0.00000191)			
PCB 189	UG/L	T				ND (0.00000228) U	ND (0.00000205) U	ND (0.0000009) U	ND (0.000000719) U		ND (0.00000249)	ND (0.00000128)			
PCB 19	UG/L	T				0.000056 J	0.0000691 J	0.00000241 J	0.00000171 J		ND (0.00000284)	ND (0.00000391)			

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D		
			Human Health				Ecological (DF=29,412)	8/23/07	8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)
								0	0	0	0	0	0	0	0
PCB 190	UG/L	T				ND (0.00000233) U	ND (0.00000261) U	ND (0.0000012) U	ND (0.00000174) U		ND (0.00000262)	ND (0.00000154)			
PCB 191	UG/L	T				ND (0.00000209) U	ND (0.00000262) U	ND (0.0000011) U	ND (0.00000165) U		ND (0.00000251)	ND (0.00000167)			
PCB 194	UG/L	T				0.00000619 U*	ND (0.00000271) U	0.00000169 EMPC J	ND (0.00000161) U		ND (0.00000316)	ND (0.00000175)			
PCB 195	UG/L	T				ND (0.00000289) U	ND (0.00000277) U	ND (0.0000012) U	ND (0.00000165) U		ND (0.00000318)	ND (0.00000196)			
PCB 196	UG/L	T				ND (0.000002) U	0.00000402 J	ND (0.000000816) U	ND (0.000000938) U		ND (0.00000256)	ND (0.00000171)			
PCB 197	UG/L	T				ND (0.00000144) U	ND (0.00000159) U	ND (0.000000593) U	ND (0.00000066) U		ND (0.00000179)	ND (0.00000132)			
PCB 2	UG/L	T				0.00000434 EMPCJ	0.00000472 J	0.00000468 J	ND (0.00000119) U		ND (0.0000012)	ND (0.00000172)			
PCB 200	UG/L	T				ND (0.0000017) U	ND (0.00000189) U	ND (0.00000074) U	ND (0.000000755) U		ND (0.00000214)	ND (0.00000149)			
PCB 201	UG/L	T				ND (0.00000165) U	ND (0.00000182) U	ND (0.000000701) U	ND (0.000000756) U		ND (0.00000202)	ND (0.00000146)			
PCB 202	UG/L	T				0.00000576 J	0.0000053 J	ND (0.000000652) U	ND (0.000000767) U		ND (0.00000224)	ND (0.00000174)			
PCB 203	UG/L	T				ND (0.00000212) U	0.0000056 J	ND (0.000000857) U	ND (0.00000099) U		ND (0.00000246)	ND (0.00000161)			
PCB 205	UG/L	T				ND (0.00000235) U	ND (0.00000225) U	ND (0.000000994) U	ND (0.0000013) U		ND (0.00000297)	ND (0.00000164)			
PCB 206	UG/L	T				0.0000441	0.0000393	ND (0.00000132) U	ND (0.00000223) U		ND (0.0000042)	ND (0.00000428)			
PCB 207	UG/L	T				ND (0.00000492) U	ND (0.00000445) U	ND (0.000000974) U	ND (0.0000015) U		ND (0.00000261)	ND (0.00000303)			
PCB 208	UG/L	T				0.0000239	0.0000204	ND (0.00000103) U	ND (0.00000159) U		ND (0.00000303)	ND (0.00000374)			
PCB 209	UG/L	T				0.0000644	0.0000553	0.00000361 J	ND (0.00000127) U		ND (0.00000486)	ND (0.0000023)			
PCB 22	UG/L	T				0.0000236	0.0000236	0.00000389 U*	ND (0.00000144) U		ND (0.0000015)	0.00000184			
PCB 23	UG/L	T				ND (0.0000029) U	ND (0.00000338) U	ND (0.00000135) U	ND (0.00000139) U		ND (0.00000182)	ND (0.00000249)			
PCB 25	UG/L	T				0.00000546 J	0.00000547 J	0.00000157 J	ND (0.00000128) U		ND (0.00000135)	ND (0.00000183)			
PCB 27	UG/L	T				0.0000141	0.0000147	ND (0.00000125) U	ND (0.00000116) U		ND (0.00000194)	ND (0.00000244)			
PCB 3	UG/L	T				0.0000112	0.00000914 J	0.00000373 EMPC J	ND (0.00000114) U		ND (0.00000141)	ND (0.00000202)			
PCB 31	UG/L	T				0.0000546	0.0000538	0.00000886 U*	0.00000298 U*		0.00000473 J	0.00000405 J			
PCB 32	UG/L	T				0.0000356	0.000042	0.00000277 U*	0.00000136 J		0.00000265 J	ND (0.00000215)			
PCB 34	UG/L	T				ND (0.00000301) U	ND (0.00000351) U	ND (0.00000145) U	ND (0.00000146) U		ND (0.00000153)	ND (0.00000221)			
PCB 35	UG/L	T				ND (0.00000317) U	ND (0.00000369) U	ND (0.00000151) U	ND (0.0000016) U		ND (0.00000172)	ND (0.00000229)			
PCB 37	UG/L	T				ND (0.00000323) U	0.00000788 J	0.00000351 J	ND (0.00000157) U		ND (0.00000183)	ND (0.00000244)			
PCB 38	UG/L	T				ND (0.00000284) U	ND (0.0000033) U	ND (0.00000134) U	ND (0.0000014) U		ND (0.00000174)	ND (0.0000024)			
PCB 39	UG/L	T				ND (0.00000278) U	ND (0.00000324) U	ND (0.00000133) U	ND (0.00000138) U		ND (0.00000169)	ND (0.00000232)			
PCB 4	UG/L	D													
PCB 4	UG/L	T				0.000373	0.000393	0.00000694 J	0.00000762 J		ND (0.0000111)	ND (0.0000174)			
PCB 41	UG/L	T				ND (0.00000243) U	ND (0.00000253) U	ND (0.00000121) U	ND (0.00000122) U		ND (0.00000263)	ND (0.00000229)			
PCB 42	UG/L	T				0.0000134 EMPC	0.0000116	ND (0.00000129) U	ND (0.00000134) U		ND (0.0000028)	ND (0.0000022)			
PCB 43	UG/L	T				ND (0.0000031) U	ND (0.00000322) U	ND (0.00000147) U	ND (0.00000145) U		ND (0.00000348)	ND (0.00000229)			
PCB 45	UG/L	T				0.0000169	0.0000151	0.00000157 EMPC J	ND (0.00000103) U		ND (0.00000228)	ND (0.00000206)			
PCB 46	UG/L	T				0.00000771 J	0.00000661 EMPCJ	ND (0.00000116) U	ND (0.00000118) U		ND (0.00000283)	ND (0.00000216)			
PCB 48	UG/L	T				0.00000998	0.00000801 EMPCJ	0.00000106 EMPC J	ND (0.00000103) U		ND (0.00000237)	ND (0.00000182)			
PCB 5	UG/L	T				ND (0.00000793) U	ND (0.00000727) U	ND (0.00000227) U	ND (0.0000018) U		ND (0.00000723)	ND (0.00000896)			
PCB 51	UG/L	T				0.00000228 EMPCJ	0.00000413 EMPCJ	ND (0.00000108) U	ND (0.00000113) U		ND (0.00000289)	ND (0.00000187)			
PCB 52	UG/L	T				0.0000789 U*	0.0000751 U*	0.0000108 U*	0.00000764 U*		0.00000674 J	0.00000561 J			
PCB 54	UG/L	T				ND (0.00000134) U	ND (0.00000145) U	ND (0.000000606) U	ND (0.000000706) U		ND (0.00000156)	ND (0.00000167)			
PCB 56	UG/L	T				0.00001 EMPC	0.00001	0.00000271 J	ND (0.00000184) U		ND (0.00000142)	ND (0.00000177)			
PCB 57	UG/L	T				ND (0.0000026) U	ND (0.00000183) U	ND (0.000000908) U	ND (0.00000166) U		ND (0.0000016)	ND (0.00000203)			
PCB 6	UG/L	T				0.0000366	0.0000374	0.0000025 J	ND (0.00000192) U		ND (0.0000067)	ND (0.00000885)			
PCB 60	UG/L	T				0.00000306 EMPCJ	ND (0.00000185) U	ND (0.000000886) U	ND (0.00000161) U		ND (0.00000138)	ND (0.00000176)			
PCB 63	UG/L	T				ND (0.00000224) U	ND (0.00000158) U	ND (0.000000771) U	ND (0.00000139) U		ND (0.0000015)	ND (0.00000196)			
PCB 64	UG/L	T				0.0000154	0.0000115 EMPC	0.00000289 U*	0.000000873 U*		ND (0.00000206)	ND (0.00000157)			
PCB 66	UG/L	T				0.0000189	0.0000161	0.00000471 U*	ND (0.00000182) U		0.00000271 J	0.00000185 J			
PCB 67	UG/L	T				ND (0.00000263) U	ND (0.00000186) U	ND (0.000000928) U	ND (0.00000166) U		ND (0.00000128)	ND (0.00000166)			
PCB 68	UG/L	T				ND (0.00000258) U	ND (0.00000182) U	ND (0.000000905) U	ND (0.00000164) U		ND (0.00000149)	ND (0.00000201)			
PCB 7	UG/L	T				ND (0.00000763) U	ND (0.00000699) U	0.00000112	ND (0.00000171) U		ND (0.00000645)	ND (0.00000851)			
PCB 72	UG/L	T				ND (0.00000261) U	ND (0.00000184) U	ND (0.000000912) U	ND (0.00000163) U		ND (0.00000135)	ND (0.00000172)			
PCB 77	UG/L	T				ND (0.00000312) U	ND (0.00000215) U	ND (0.00000108) U	ND (0.00000211) U		ND (0.00000184)	ND (0.00000214)			
PCB 8	UG/L	T				0.000129	0.000144	0.00000931 U*	0.00000576 J		0.0000047 J	ND (0.00000849)			
PCB 82	UG/L	T				ND (0.00000359) U	ND (0.00000332) U	ND (0.00000161) U	ND (0.00000183) U		ND (0.00000292)	ND (0.00000209)			
PCB 83	UG/L	T				ND (0.00000299) U	ND (0.00000277) U	ND (0.00000149) U	ND (0.00000159) U		ND (0.00000273)	ND (0.00000205)			
PCB 84	UG/L	T				0.0000132 U*	0.0000107 U*	0.00000282 U*	ND (0.00000146) U		ND (0.00000268)	ND (0.00000195)			
PCB 88	UG/L	T				ND (0.00000315) U	ND (0.00000292) U	ND (0.0000015) U	ND (0.00000167) U		ND (0.00000312)	ND (0.00000252)			
PCB 9	UG/L	T				0.0000148	0.0000146	0.00000282 J	ND (0.0000019) U		ND (0.00000665)	ND (0.0000086)			
PCB 91	UG/L	T				0.000004 U*	0.00000377 U*	ND (0.00000096) U	ND (0.00000108) U		ND (0.00000261)	ND (0.00000177)			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	
			Human Health				Duplicate	8/23/07	8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
PCB 92	UG/L	T					0.0000117	0.0000785 J	0.0000285 U*	ND (0.0000158) U		ND (0.0000266)	ND (0.0000194)	
PCB 95	UG/L	T					0.0000384 U*	0.0000354 U*	0.0000716 U*	0.0000515 U*		0.0000359 J	0.0000528 J	
PCB 96	UG/L	T					ND (0.0000149) U	ND (0.0000166) U	ND (0.00000599) U	ND (0.00000584) U		ND (0.0000205)	ND (0.0000137)	
PCB 99	UG/L	T					0.0000164 U*	0.0000165 U*	0.00000425 U*	0.00000239 U*		ND (0.0000221)	ND (0.0000153)	
PCB-106/118	UG/L	T												
PCB-107/124	UG/L	T					ND (0.0000226) U	ND (0.0000209) U	ND (0.0000103) U	ND (0.0000119) U		ND (0.0000209)	ND (0.000014)	
PCB-108/119/86/97/125/87	UG/L	T					0.0000265 U*	0.0000226 U*	0.0000925 J	0.0000398 U*		ND (0.0000235)	ND (0.0000165)	
PCB-113/90/101	UG/L	T					0.000042 U*	0.0000365 U*	0.0000105 U*	0.0000598 U*		0.0000719 J	0.0000434 J	
PCB-116/85	UG/L	T					ND (0.0000237) U	ND (0.000022) U	0.0000191 J	ND (0.0000129) U		ND (0.000026)	ND (0.0000201)	
PCB-128/166	UG/L	T					0.0000448 J	ND (0.0000247) U	0.0000335 U*	ND (0.00000805) U		ND (0.0000272)	ND (0.0000164)	
PCB-13/12	UG/L	T					ND (0.000086) U	ND (0.0000788) U	ND (0.0000236) U	ND (0.0000191) U		ND (0.0000805)	ND (0.0000101)	
PCB-139/140	UG/L	T					ND (0.000021) U	ND (0.0000179) U	ND (0.00000832) U	ND (0.0000107) U		ND (0.0000238)	ND (0.0000198)	
PCB-147/149	UG/L	T					0.0000287 U*	0.0000235 U*	0.0000106 U*	0.0000038 U*		ND (0.0000196)	ND (0.0000165)	
PCB-151/135	UG/L	T					0.0000136 U*	0.000012 U*	0.00000833 U*	ND (0.0000111) U		ND (0.0000217)	ND (0.0000183)	
PCB-153/168	UG/L	T					0.0000293 U*	0.0000246 U*	0.0000108 U*	0.0000276 U*		ND (0.0000187)	ND (0.0000144)	
PCB-156/157	UG/L	T					ND (0.0000286) U	ND (0.0000269) U	0.00000331 U*	ND (0.0000102) U		ND (0.0000238)	ND (0.0000212)	
PCB-163/138/129	UG/L	T					0.0000342 U*	0.0000281 U*	0.0000163 U*	0.0000353 U*		ND (0.0000218)	ND (0.0000166)	
PCB-171/173	UG/L	T					ND (0.0000254) U	ND (0.0000319) U	ND (0.0000133) U	ND (0.0000199) U		ND (0.0000308)	ND (0.0000213)	
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T					0.0000164 U*	0.0000135 U*	0.00000313 EMPC J	ND (0.0000158) U		ND (0.0000241)	ND (0.0000165)	
PCB-198/199	UG/L	T					0.0000151 U*	0.0000119 U*	ND (0.00000989) U	ND (0.0000113) U		ND (0.0000272)	ND (0.000018)	
PCB-21/33	UG/L	T					0.0000365	0.0000379	0.0000073 U*	0.0000192 EMPCJ		0.00000357 J	0.00000326 J	
PCB-26/29	UG/L	T					0.0000152 J	0.0000138 J	0.00000404 J	ND (0.0000132) U		ND (0.0000147)	ND (0.0000203)	
PCB-28/20	UG/L	T					0.0000602	0.0000569	0.0000114 U*	0.0000316 U*		0.00000756 J	0.0000064 B	
PCB-30/18	UG/L	T					0.000204 J	0.000253 J	0.0000109 U*	0.00000648 U*		0.00000495 J	0.0000067 J	
PCB-44/47/65	UG/L	T					0.0000519	0.0000482	0.0000104 U*	0.00000383 J		0.00000701 J	0.00000463 J	
PCB-50/53	UG/L	T					0.0000141 EMPCJ	0.0000162 J	ND (0.0000102) U	ND (0.0000101) U		ND (0.0000262)	ND (0.0000199)	
PCB-59/62/75	UG/L	T					0.00000376 EMPCJ	0.00000367 J	ND (0.00000809) U	ND (0.0000008) U		ND (0.0000021)	ND (0.0000157)	
PCB-61/70/74/76	UG/L	T					0.0000441 U*	0.000039 U*	0.0000125 U*	0.00000361 U*		0.00000511 J	0.00000481 J	
PCB-69/49	UG/L	T					0.0000303	0.000029	0.00000369 U*	0.00000198 J		0.00000319 J	ND (0.0000176)	
PCB-71/40	UG/L	T					0.0000229	0.0000211	0.00000294 EMPC J	0.00000136 J		ND (0.0000247)	ND (0.0000178)	
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T												
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000618	0.000665	0.0000914 J	0.0000213 J		0.00005	0.0000289 B	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000534 EMPCJ	0.0000359 J	0.00000313 EMPC J	ND (0.0000131) U		ND (0.0000258)	ND (0.0000179)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000145 EMPCJ	0.000116 EMPCJ	0.0000951 EMPC J	0.0000101 U*		ND (0.000026)	ND (0.0000171)	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000092 EMPCJ	0.0000888 J	0.0000119 EMPC J	0.00000178 EMPCJ		ND (0.0000127)	ND (0.0000192)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000679	0.0000597	ND (0.0000117) U	ND (0.0000191) U		ND (0.0000361)	ND (0.0000401)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000271 J	0.0000268 J	0.00000169 EMPC J	ND (0.0000103) U		ND (0.0000261)	ND (0.0000169)	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02									
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000224 B	0.000199 J	0.0000762 EMPC J	0.0000251 U*		0.0000139 EMPC	0.0000152 EMPC	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000344 EMPCJ	0.000315 EMPCJ	0.0000533 EMPC J	0.0000193 J		0.0000247 EMPC	0.0000169 EMPC	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000667 J	0.000785 J	0.0000662 J	0.0000227 EMPCJ		0.0000235	0.0000222 B	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06			ND (80.2)	ND (80.2)	ND (80.2)		ND (80.2)	ND (83.4)	
ALUMINUM	UG/L	T						382	642	183 J		678 J	883	
ANTIMONY	UG/L	D		1.58E+08	8.82E+05			ND (9.7)	ND (9.7)	ND (9.7)				
ANTIMONY	UG/L	T						ND (9.7)	ND (9.7)	ND (9.7)				
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06			4.6	ND (0.7)	ND (0.7)				
ARSENIC	UG/L	T						12.7	ND (0.7)	0.8 J				
BARIUM	UG/L	D		7.90E+10	1.18E+05			313	60.7	59.7		73.7	71.6	
BARIUM	UG/L	T						339	63.8	60.4		74.3	72.5	
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04			ND (0.9)	ND (0.94)	ND (0.9)		ND (1.4)	ND (1.4)	
BERYLLIUM	UG/L	T						ND (0.9)	ND (0.94)	ND (0.9)		ND (1.4)	ND (1.4)	
CADMIUM	UG/L	D		1.98E+08	2.65E+04			ND (0.9)	ND (0.91)	ND (0.9)		ND (2)	ND (2)	
CADMIUM	UG/L	T						ND (0.9)	ND (0.91)	ND (0.9)		ND (2)	ND (2)	
CALCIUM	UG/L	D						170000	29100	28900				
CALCIUM	UG/L	T						177000	29600	29400				
CHROMIUM	UG/L	D			4.76E+06			ND (2.3)	ND (2.3)	ND (2.3)				
CHROMIUM	UG/L	T						21.7	2.9 B	5.9 J				

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location Date	MW-18S	MW-18S	MW-19D	MW-19D	MW-19D	MW-19D	MW-19D	
			Human Health				8/23/07	8/23/07	5/18/07	8/23/07	5/28/10	8/19/10	5/28/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	Bottom (ft)	0	0	0	0	0	0
							Duplicate	DUP	FS	FS	FS	FS	FS	FS
COBALT	UG/L	D		1.41E+08	6.76E+05			3.3 J	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)		
COBALT	UG/L	T						ND (2.1)	ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)		
COPPER	UG/L	D		1.58E+10	2.68E+05			12 B	ND (2.2)	ND (2.2)	ND (2.7)	ND (2.7)		
COPPER	UG/L	T						7.3 B	ND (2.2)	2.7 B	ND (2.7)	ND (2.7)		
FERROUS IRON	UG/L	T						103000 J	1300 J	2900 J				
IRON	UG/L	D		2.77E+11	2.94E+07			56800	215 J	2080	1640	2550		
IRON	UG/L	T						104000	2070 J	3320	3330	3170		
LEAD	UG/L	D			4.71E+05			1.1	0.087 B	0.081 B	ND (0.05)	ND (0.052)		
LEAD	UG/L	T						9.2	0.48 B	0.39 J	0.76 J	0.093 B		
MAGNESIUM	UG/L	D						150000	6090	6350				
MAGNESIUM	UG/L	T						144000	6180	6240				
MANGANESE	UG/L	D		5.53E+10	3.38E+07			907	28.6	38.8	31.3	29.1 B		
MANGANESE	UG/L	T						867	32.4	41.1	34.5	29.9 B		
MERCURY	UG/L	D		1.19E+08	3.53E+02			ND (0.056) UJ	ND (0.056)	ND (0.056) UJ				
MERCURY	UG/L	T						ND (0.056)	ND (0.056)	ND (0.056)				
NICKEL	UG/L	D		1.00E+10	3.59E+06			13.2	ND (5.6)	ND (5.6)	ND (1.8)	ND (3)		
NICKEL	UG/L	T						13.5	ND (5.6)	ND (5.6)	4.9 J	ND (3)		
POTASSIUM	UG/L	D						230000	3370	2980				
POTASSIUM	UG/L	T						124000	3410	3130				
SELENIUM	UG/L	D		1.98E+09	1.47E+05			ND (9.4)	ND (9.4)	ND (9.4)				
SELENIUM	UG/L	T						ND (9.4)	ND (9.4)	ND (9.4)				
SILVER	UG/L	D		2.21E+09	2.65E+05			ND (1.6)	ND (1.6)	ND (1.6)				
SILVER	UG/L	T						ND (1.6)	ND (1.6)	ND (1.6)				
SODIUM	UG/L	D						187000	15300	15500				
SODIUM	UG/L	T						107000	15600	15500				
THALLIUM	UG/L	D		3.95E+06	1.18E+06			ND (0.037)	ND (0.037)	ND (0.037)				
THALLIUM	UG/L	T						ND (0.037)	ND (0.037)	ND (0.037)				
TITANIUM	UG/L	D						ND (2.8)	ND (2.8)	ND (2.8)				
TITANIUM	UG/L	T						21.6	18.1	8.4 J				
VANADIUM	UG/L	D		2.77E+07	5.88E+05			ND (1.5)	ND (1.5)	ND (1.5)				
VANADIUM	UG/L	T						7.9	2.4 J	3 J				
ZINC	UG/L	D		1.33E+11	2.41E+06			91.1	ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)		
ZINC	UG/L	T						30.4	ND (8.1)	9.4 J	ND (8.1)	ND (8.1)		
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T						889000	109000	113000				
AMMONIA	UG/L	T		1.34E+13				11900	ND (200)	ND (200)				
CHLORIDE	UG/L	T						627000	10500	11600				
CYANIDE	UG/L	T		8.45E+09	1.53E+05			ND (5)	ND (5) UJ	ND (5)				
FERRIC IRON	UG/L	T						ND (1600)	730	450 J				
NITRATE	UG/L	T		6.32E+11				ND (40)	ND (40) UJ	ND (40)				
NITRITE	UG/L	T		3.95E+10				100 J	ND (15)	ND (15) UJ				
PHOSPHORUS	UG/L	T						520	ND (250)	ND (250)				
SILICA	UG/L	T						28500 J	12200	11600 J				
SULFATE	UG/L	T						ND (25000)	4900 J	3300 J				
SULFIDE	UG/L	T						ND (54)	ND (54)	85 J				
TOTAL DISSOLVED SOLIDS	UG/L	T												
TOTAL HARDNESS AS CaCO3	UG/L	T						1050000 J						
TOTAL ORGANIC CARBON	UG/L	T						26300	2300	2000				
TOTAL SUSPENDED SOLIDS	UG/L	T						536000	23200	20000	16000	12800		
COLOR QUALITATIVE (FIELD)	NS	T						clr	Clear	clr	NS	NS		
DEPTH TO WATER FROM TOC	Feet	T												
DISSOLVED OXYGEN (FIELD)	UG/L	T						720	680	360	450	20		
ODOR (FIELD)	NS	T						no	No	no	NS	NS		
OVABZONE	PPM	T							NR		NS	NS		
OVACASING	PPM	T							NR		NS	NS		
REDOX (FIELD)	MV	T												
TOTAL WELL DEPTH	Feet	T									NS	NS		
TURBIDITY QUANTITATIVE (FIELD)	NTU	T												
HPCDFS	UG/L	T						0.00000133 U*	0.00000096 U*	ND (0.0000015) U	ND (0.00000617) U			
TOTAL HPCDDS	UG/L	T												

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-19S	MW-19S	MW-19S	MW-19S	MW-2	MW-2	MW-2
			Human Health			Date	5/18/07	8/22/07	5/26/10	8/19/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0		
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05		ND (0.8)	ND (0.8)				ND (0.8)	
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06		ND (1)	ND (1)				ND (1)	
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05		ND (0.8)	ND (0.8)				ND (0.8)	
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04		ND (1)	ND (1)				ND (0.9) R	
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05		ND (1)	ND (1)				ND (0.9) R	
ACETONE	UG/L	T		4.08E+11	4.41E+07		ND (6)	ND (6)				ND (6)	
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07		ND (0.5)	ND (0.5)				ND (0.5)	
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04		ND (1)	ND (1)				ND (1)	
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04		ND (0.8)	ND (0.8)				ND (0.8)	
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04		1 J	0.8 J				8	
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05		2 J	1 J				ND (0.8)	
ETHYL CHLORIDE	UG/L	T					ND (1)	ND (1)				ND (1)	
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06		ND (0.8)	ND (0.8)				ND (0.8)	
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06		ND (1)	ND (1)				ND (1)	
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08		ND (3)	ND (3)				ND (3)	
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06		ND (2)	ND (2)				ND (2)	
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06		20	14				ND (0.8)	
TOLUENE	UG/L	T		3.52E+09	5.88E+04		ND (0.7)	ND (0.7)				ND (0.7)	
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05		ND (0.8)	ND (0.8)				ND (0.8)	
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05		2 J	1 J				ND (1)	
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07		ND (1)	ND (1)				ND (1)	
XYLENES	UG/L	T		5.98E+09	3.82E+05		ND (0.8)	ND (0.8)				ND (0.8)	
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07		ND (3)	ND (3)				ND (3) R	
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05		ND (1)	ND (1)					
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09			ND (1)	ND (1)				ND (0.9) R	
ACENAPHTHENE	UG/L	T		1.01E+09			ND (1)	ND (1)				ND (0.5) R	
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02		ND (1)	ND (1)				ND (0.02) R	
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02		ND (1)	ND (1)				ND (0.0099) R	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05		ND (2)	ND (2)				ND (2) R	
CARBAZOLE	UG/L	T		5.29E+08			ND (1)	ND (1)				ND (0.9) R	
CHRYSENE	UG/L	T	9.83E+01		1.18E+02		ND (1)	ND (1)				ND (0.04) R	
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05		ND (1)	ND (1)				ND (0.9) R	
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05		ND (2)	ND (2)				ND (2) R	
FLUORENE	UG/L	T		5.29E+08	8.82E+04		ND (1)	ND (1)				ND (0.099) R	
HEXACHLOROETHANE	UG/L	T			8.82E+00		ND (1)	ND (1)				ND (0.9) R	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04		ND (1)	ND (1)				ND (0.99)	
PHENANTHRENE	UG/L	T			1.18E+04		ND (1)	ND (1)				ND (0.04) R	
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.00000307) U	ND (0.00000204) U	0.00000671 B	ND (0.000000813)	0.00000087 EMPC J	0.00000193 J	
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.00000055) U	ND (0.00000065) U	0.00000224 B	ND (0.000000545)	ND (0.000000482)	0.000000719 J	
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.000000921) U	ND (0.00000113) U	ND (0.000002015002)	ND (0.000000792)	ND (0.000000729)	ND (0.000000791709)	
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.0000011) U	ND (0.00000147) U	ND (0.00000133696)	ND (0.000000621)	ND (0.00000132)	ND (0.0000007593123)	
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.000000298) U	ND (0.000000614) U	ND (0.000001116912)	ND (0.000000403)	ND (0.00000033)	ND (0.0000007222627)	
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.00000108) U	ND (0.00000163) U	ND (0.00000135282)	ND (0.000000673)	ND (0.00000145)	ND (0.0000008166566)	
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.000000279) U	ND (0.000000705) U	ND (0.000001048962)	ND (0.000000397)	ND (0.000000316)	ND (0.0000006686065)	
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.00000118) U	ND (0.00000147) U	ND (0.000001630883)	ND (0.000000714)	ND (0.00000155)	ND (0.0000009039723)	
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.000000488) U	ND (0.00000107) U	ND (0.000001551267)	ND (0.000000527)	ND (0.000000455)	ND (0.000000920504)	
1,2,3,7,8-PECDF	UG/L	T					ND (0.0000013) U	ND (0.00000226) U	ND (0.0000008421414)	ND (0.000000558)	ND (0.000000787)	ND (0.0000005593951)	
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.000000345) U	ND (0.000000871) U	ND (0.000001167366)	ND (0.000000416)	ND (0.000000333)	ND (0.0000006976118)	
2,3,4,7,8-PECDF	UG/L	T					ND (0.00000122) U	ND (0.00000178) U	ND (0.0000008260211)	ND (0.000000579)	ND (0.000000735)	ND (0.0000005585817)	
2,3,7,8-TCDD	UG/L	T					ND (0.000000617) U	ND (0.000000616) U	ND (0.0000009117906)	ND (0.000000642)	ND (0.000000617)	ND (0.0000007719945)	
2,3,7,8-TCDF	UG/L	T					ND (0.000000715) U	ND (0.000000969) U	ND (0.0000008558135)	ND (0.000000675)	ND (0.000000705)	ND (0.0000006798139)	
HPCDDs	UG/L	T					ND (0.00000307) U	ND (0.00000204) U				0.00000265 EMPC	
HXCDDs	UG/L	T					ND (0.00000112) U	ND (0.00000152) U				0.000000963	
HXCDFs	UG/L	T					ND (0.000000343) U	ND (0.000000794) U				ND (0.000000353)	
OCDD	UG/L	T					0.0000516	ND (0.00000953) U	0.000114 B	ND (0.0000019)	0.00000951 EMPC J	0.0000281 J	
OCDF	UG/L	T					ND (0.00000416) U	ND (0.00000261) U	0.0000141 B	ND (0.00000287)	ND (0.00000169)	0.00000918 J	
TCDDs	UG/L	T					ND (0.000000617) U	0.000000532 U*	ND (0.0000009117906)	ND (0.000000642)	0.00000191 B	ND (0.0000007719945)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-19S	MW-19S	MW-19S	MW-19S	MW-2	MW-2	MW-2	
			Human Health				Ecological (DF=29,412)	5/18/07	8/22/07	5/26/10	8/19/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.00000715) U	0.00000456 EMPC	0.0000134 EMPC	0.0000101 B	ND (0.00000705)		ND (0.000006798139)		
TOTAL HPCDD	UG/L	T						0.0000121 B	ND (0.00000813)			0.00000445 EMPC		
TOTAL HPCDF	UG/L	T						0.00000702 B	ND (0.00000654)			0.00000469 EMPC		
TOTAL HXCDD	UG/L	T						ND (0.000001433613)	ND (0.00000667)			ND (0.000008251995)		
TOTAL HXCDF	UG/L	T						ND (0.000001199795)	ND (0.00000431)			ND (0.0000074377)		
TOTAL PECDD	UG/L	T						ND (0.000001100081)	ND (0.000000725)			ND (0.0000009240677)		
TOTAL PECDDS	UG/L	T				ND (0.0000078) U	ND (0.00000138) U			ND (0.00000789)				
TOTAL PECDF	UG/L	T						ND (0.0000008340237)	ND (0.000000568)			ND (0.000000559067)		
TOTAL PECDFS	UG/L	T				ND (0.00000126) U	ND (0.00000201) U			ND (0.00000076)				
PCB 1	UG/L	D												
PCB 1	UG/L	T				0.0000131	ND (0.000000955) U	ND (0.0000127)	0.00000244 J	0.0000112		0.000017 B		
PCB 10	UG/L	T				ND (0.00000218) U	ND (0.00000179) U	ND (0.0000818)	ND (0.00000478)	0.000000523		ND (0.00000576)		
PCB 103	UG/L	T				ND (0.000000995) U	ND (0.00000135) U	ND (0.00000884)	ND (0.00000162)	ND (0.000000682)		ND (0.00000194)		
PCB 105	UG/L	T				0.00000264 EMPC J	ND (0.00000136) U	ND (0.00000729)	0.00000254 J	ND (0.00000705)		ND (0.00000171)		
PCB 109	UG/L	T				ND (0.000000801) U	ND (0.00000109) U	ND (0.00000682)	ND (0.00000141)	ND (0.00000604)		ND (0.00000144)		
PCB 11	UG/L	T				0.000043 U*	0.0000147 U*	ND (0.0000993)	0.0000443 J	0.00000675 B		0.0000116 B		
PCB 110	UG/L	T				0.0000136 B	0.0000132 U*	0.0000104 EMPC	0.00000659 J	0.00000168 B		ND (0.00000161)		
PCB 114	UG/L	T				ND (0.00000102) U	ND (0.00000132) U	ND (0.00000836)	ND (0.00000168)	ND (0.00000671)		ND (0.00000169)		
PCB 117	UG/L	T				ND (0.00000112) U	ND (0.00000136) U	ND (0.0000078)	ND (0.0000016)	ND (0.00000706)		ND (0.00000183)		
PCB 118	UG/L	T				0.00000586 J	0.0000063 U*	ND (0.0000078)	0.00000563 J	0.00000111 B		0.00000312 J		
PCB 123	UG/L	T				ND (0.00000101) U	ND (0.00000131) U	ND (0.00000802)	ND (0.00000178)	ND (0.00000686)		ND (0.00000188)		
PCB 130	UG/L	T				ND (0.000000924) U	ND (0.00000159) U	ND (0.00000897)	ND (0.00000213)	ND (0.000000985)		ND (0.00000188)		
PCB 131	UG/L	T				ND (0.000000747) U	ND (0.00000132) U	ND (0.00000826)	ND (0.00000179)	ND (0.00000866)		ND (0.0000016)		
PCB 132	UG/L	T				0.00000267 J	0.00000279 U*	ND (0.00000805)	ND (0.00000175)	ND (0.00000845)		ND (0.00000161)		
PCB 133	UG/L	T				ND (0.000000731) U	ND (0.00000127) U	ND (0.00000891)	ND (0.00000196)	ND (0.00000934)		ND (0.00000179)		
PCB 134	UG/L	T				ND (0.00000106) U	ND (0.00000174) U	ND (0.00000997)	ND (0.00000199)	ND (0.00000105)		ND (0.00000195)		
PCB 136	UG/L	T				ND (0.00000067) U	ND (0.00000108) U	ND (0.0000306)	ND (0.00000148)	ND (0.00000672)		ND (0.00000124)		
PCB 137	UG/L	T				ND (0.000000684) U	ND (0.00000114) U	ND (0.00000939)	ND (0.00000186)	ND (0.00000704)		ND (0.00000176)		
PCB 141	UG/L	T				ND (0.000000697) U	ND (0.00000121) U	ND (0.00000739)	ND (0.00000164)	ND (0.00000827)		ND (0.0000015)		
PCB 144	UG/L	T				ND (0.000000787) U	ND (0.00000135) U	ND (0.00000801)	ND (0.0000017)	ND (0.00000823)		ND (0.0000016)		
PCB 146	UG/L	T				ND (0.000000754) U	ND (0.00000127) U	ND (0.0000069)	ND (0.00000152)	ND (0.00000681)		ND (0.00000141)		
PCB 148	UG/L	T				ND (0.000000747) U	ND (0.00000133) U	ND (0.00000897)	ND (0.00000196)	ND (0.00000746)		ND (0.00000185)		
PCB 15	UG/L	T				ND (0.00000309) U	ND (0.00000293) U	ND (0.000104)	0.00000343 J	0.000000992 B		ND (0.00000583)		
PCB 150	UG/L	T				ND (0.000000605) U	ND (0.00000967) U	ND (0.0000323)	ND (0.00000163)	ND (0.000000575)		ND (0.00000133)		
PCB 154	UG/L	T				ND (0.000000693) U	ND (0.00000118) U	ND (0.00000736)	ND (0.00000154)	ND (0.00000769)		ND (0.00000147)		
PCB 156	UG/L	T												
PCB 157	UG/L	T												
PCB 158	UG/L	T				ND (0.000000618) U	ND (0.00000101) U	ND (0.00000588)	ND (0.00000134)	ND (0.00000655)		ND (0.00000118)		
PCB 159	UG/L	T				ND (0.00000106) U	ND (0.00000125) U	ND (0.00000797)	ND (0.00000175)	ND (0.00000811)		ND (0.00000161)		
PCB 16	UG/L	T				0.00000428 J	ND (0.0000024) U	ND (0.0000208)	ND (0.00000189)	0.00000154 B		0.00000412 J		
PCB 160	UG/L	T				ND (0.000000656) U	ND (0.00000111) U	ND (0.00000742)	ND (0.00000173)	ND (0.00000067)		ND (0.00000153)		
PCB 162	UG/L	T				ND (0.000000949) U	ND (0.00000113) U	ND (0.00000906)	ND (0.00000194)	ND (0.00000754)		ND (0.00000185)		
PCB 164	UG/L	T				ND (0.000000527) U	ND (0.000000889) U	ND (0.00000533)	ND (0.00000134)	ND (0.00000651)		ND (0.00000115)		
PCB 167	UG/L	T				ND (0.000000989) U	ND (0.00000118) U	ND (0.00000833)	ND (0.00000207)	ND (0.00000859)		ND (0.00000185)		
PCB 169	UG/L	T				ND (0.00000117) U	ND (0.0000014) U	ND (0.00000781)	ND (0.00000239)	ND (0.00000993)		ND (0.00000188)		
PCB 17	UG/L	T				0.00000385 J	ND (0.00000169) U	ND (0.0000173)	0.00000216 J	0.00000101 B		0.00000246 B		
PCB 170	UG/L	T				ND (0.00000136) U	ND (0.00000121) U	ND (0.00000815)	ND (0.00000199)	ND (0.00000103)		ND (0.00000221)		
PCB 172	UG/L	T				ND (0.00000129) U	ND (0.00000124) U	ND (0.00000975)	ND (0.00000198)	ND (0.00000105)		ND (0.00000241)		
PCB 174	UG/L	T				ND (0.00000135) U	ND (0.00000133) U	ND (0.00000933)	ND (0.00000187)	ND (0.00000897)		ND (0.00000231)		
PCB 175	UG/L	T				ND (0.00000134) U	ND (0.00000128) U	ND (0.0000101)	ND (0.00000197)	ND (0.00000101)		ND (0.00000259)		
PCB 176	UG/L	T				ND (0.000000567) U	ND (0.000000766) U	ND (0.0000114)	ND (0.00000144)	ND (0.00000626)		ND (0.0000018)		
PCB 177	UG/L	T				ND (0.00000146) U	ND (0.00000145) U	ND (0.00001)	ND (0.00000194)	ND (0.00000094)		ND (0.00000245)		
PCB 178	UG/L	T				ND (0.000000823) U	ND (0.00000116) U	ND (0.0000125)	ND (0.00000169)	ND (0.00000949)		ND (0.00000205)		
PCB 179	UG/L	T				ND (0.000000697) U	ND (0.000000976) U	ND (0.00000997)	ND (0.00000126)	ND (0.00000674)		ND (0.00000161)		
PCB 183	UG/L	T				ND (0.0000011) U	ND (0.00000104) U	ND (0.00000858)	ND (0.0000015)	ND (0.00000878)		ND (0.00000212)		
PCB 185	UG/L	T				ND (0.00000111) U	ND (0.00000106) U	ND (0.0000116)	ND (0.00000242)	ND (0.00000888)		ND (0.00000282)		
PCB 187	UG/L	T				ND (0.00000127) U	ND (0.00000124) U	ND (0.00000877)	ND (0.0000017)	ND (0.00000841)		ND (0.0000022)		
PCB 189	UG/L	T				ND (0.0000012) U	ND (0.00000122) U	ND (0.00000625)	ND (0.00000171)	ND (0.00000925)		ND (0.0000017)		
PCB 19	UG/L	T				ND (0.00000159) U	ND (0.0000019) U	ND (0.0000197)	ND (0.00000171)	0.000000934 B		ND (0.00000193)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-19S	MW-19S	MW-19S	MW-19S	MW-2	MW-2	MW-2		
			Human Health				Duplicate	5/18/07	8/22/07	5/26/10	8/19/10	5/27/09	10/20/09	4/14/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)
								0	0	0	0	0	0	0	0
PCB 190	UG/L	T					ND (0.00000119) U	ND (0.00000102) U	ND (0.00000658)	ND (0.00000164)	ND (0.00000084)	ND (0.00000168)			
PCB 191	UG/L	T					ND (0.00000115) U	ND (0.00000109) U	ND (0.00000804)	ND (0.00000161)	ND (0.000000868)	ND (0.00000189)			
PCB 194	UG/L	T					ND (0.00000146) U	ND (0.00000132) U	ND (0.00000794)	ND (0.00000242)	ND (0.000000893)	ND (0.00000254)			
PCB 195	UG/L	T					ND (0.00000148) U	ND (0.00000135) U	ND (0.00000795)	ND (0.00000244)	ND (0.00000093)	ND (0.00000268)			
PCB 196	UG/L	T					ND (0.00000124) U	ND (0.00000134) U	ND (0.00000104)	ND (0.00000218)	ND (0.00000113)	ND (0.0000021)			
PCB 197	UG/L	T					ND (0.000000871) U	ND (0.000000966) U	ND (0.00000773)	ND (0.00000152)	ND (0.000000841)	ND (0.00000158)			
PCB 2	UG/L	T					0.00000958	ND (0.00000103) U	ND (0.00000106)	0.00000163 J	0.00000541	0.00000101 B			
PCB 200	UG/L	T					ND (0.0000011) U	ND (0.00000115) U	ND (0.00000984)	ND (0.00000181)	ND (0.00000101)	ND (0.00000193)			
PCB 201	UG/L	T					ND (0.00000101) U	ND (0.00000111) U	ND (0.00000894)	ND (0.00000171)	ND (0.000000934)	ND (0.0000018)			
PCB 202	UG/L	T					ND (0.000000924) U	ND (0.00000112) U	ND (0.00000105)	ND (0.0000019)	ND (0.00000106)	ND (0.00000215)			
PCB 203	UG/L	T					ND (0.00000131) U	ND (0.00000143) U	ND (0.00000983)	ND (0.00000209)	ND (0.000000988)	ND (0.00000204)			
PCB 205	UG/L	T					ND (0.0000013) U	ND (0.0000011) U	ND (0.00000714)	ND (0.00000228)	ND (0.000000795)	ND (0.00000243)			
PCB 206	UG/L	T					ND (0.00000192) U	ND (0.00000401) U	ND (0.00000144)	ND (0.00000335)	ND (0.00000217)	ND (0.00000693)			
PCB 207	UG/L	T					ND (0.00000137) U	ND (0.00000267) U	ND (0.00000116)	ND (0.00000213)	ND (0.00000147)	ND (0.0000051)			
PCB 208	UG/L	T					ND (0.00000145) U	ND (0.00000269) U	ND (0.0000013)	ND (0.00000247)	ND (0.00000159)	ND (0.00000608)			
PCB 209	UG/L	T					0.00000118	ND (0.0000014) U	ND (0.00000096)	ND (0.00000303)	ND (0.00000101)	ND (0.00000385)			
PCB 22	UG/L	T					0.00000204 U*	ND (0.00000205) U	ND (0.00000124)	0.00000229 J	ND (0.000000699)	0.00000168 B			
PCB 23	UG/L	T					ND (0.00000142) U	ND (0.00000199) U	ND (0.00000153)	ND (0.00000141)	ND (0.000000719)	ND (0.00000249)			
PCB 25	UG/L	T					ND (0.00000143) U	ND (0.0000019) U	ND (0.00000114)	ND (0.00000104)	ND (0.000000639)	ND (0.00000185)			
PCB 27	UG/L	T					ND (0.00000128) U	ND (0.00000146) U	ND (0.00000145)	ND (0.00000117)	ND (0.000000643)	ND (0.00000122)			
PCB 3	UG/L	T					0.00000157	ND (0.00000104) U	ND (0.00000124)	0.00000388 J	0.00000029	0.00000465 J			
PCB 31	UG/L	T					0.0000044 U*	0.00000288 U*	ND (0.00000115)	0.00000496 J	0.00000109 B	0.0000048 J			
PCB 32	UG/L	T					0.00000255 J	ND (0.0000012) U	ND (0.00000125)	0.00000263 J	0.000000745 B	0.00000363 B			
PCB 34	UG/L	T					ND (0.00000152) U	ND (0.00000207) U	ND (0.00000137)	ND (0.00000119)	ND (0.000000798)	ND (0.00000224)			
PCB 35	UG/L	T					ND (0.00000167) U	ND (0.00000217) U	ND (0.00000142)	ND (0.00000133)	ND (0.000000886)	ND (0.00000218)			
PCB 37	UG/L	T					ND (0.00000164) U	ND (0.00000222) U	ND (0.00000144)	ND (0.00000142)	ND (0.000000817)	ND (0.00000229)			
PCB 38	UG/L	T					ND (0.00000141) U	ND (0.00000195) U	ND (0.00000151)	ND (0.00000135)	ND (0.000000878)	ND (0.00000228)			
PCB 39	UG/L	T					ND (0.00000142) U	ND (0.00000191) U	ND (0.00000143)	ND (0.00000131)	0.00000105	ND (0.00000222)			
PCB 4	UG/L	D													
PCB 4	UG/L	T					0.00000552 U*	ND (0.00000313) U	ND (0.00000142)	ND (0.00000817)	0.00000341 B	0.00000671 J			
PCB 41	UG/L	T					ND (0.00000129) U	ND (0.00000159) U	ND (0.00000129)	ND (0.00000179)	ND (0.00000119)	ND (0.00000255)			
PCB 42	UG/L	T					ND (0.00000132) U	ND (0.00000175) U	ND (0.00000123)	ND (0.0000019)	ND (0.00000117)	ND (0.0000026)			
PCB 43	UG/L	T					ND (0.00000149) U	ND (0.00000202) U	ND (0.00000129)	ND (0.00000237)	ND (0.00000126)	ND (0.00000271)			
PCB 45	UG/L	T					ND (0.00000113) U	ND (0.00000148) U	ND (0.00000121)	ND (0.00000155)	0.00000236 B	ND (0.00000262)			
PCB 46	UG/L	T					ND (0.00000124) U	ND (0.00000162) U	ND (0.00000125)	ND (0.00000192)	ND (0.00000116)	ND (0.00000262)			
PCB 48	UG/L	T					ND (0.00000109) U	ND (0.00000134) U	ND (0.00000106)	ND (0.00000161)	ND (0.000001)	0.00000202			
PCB 5	UG/L	T					ND (0.00000267) U	ND (0.00000249) U	ND (0.00000858)	ND (0.00000511)	ND (0.000000639)	ND (0.00000536)			
PCB 51	UG/L	T					ND (0.00000113) U	ND (0.00000144) U	ND (0.00000112)	0.00000265	ND (0.00000108)	ND (0.00000228)			
PCB 52	UG/L	T					0.00000157 U*	0.00000184 U*	0.0000014 B	0.00000876 J	0.00000184 B	0.00000201 B			
PCB 54	UG/L	T					ND (0.000000637) U	ND (0.000000893) U	ND (0.00000123)	ND (0.00000112)	ND (0.000000697)	ND (0.00000141)			
PCB 56	UG/L	T					ND (0.00000115) U	ND (0.00000156) U	ND (0.00000877)	ND (0.00000114)	ND (0.000000984)	0.00000284 J			
PCB 57	UG/L	T					ND (0.00000103) U	ND (0.00000136) U	ND (0.00000102)	ND (0.00000129)	ND (0.00000122)	ND (0.00000275)			
PCB 6	UG/L	T					ND (0.00000286) U	ND (0.00000267) U	ND (0.0000083)	ND (0.00000473)	ND (0.000000567)	ND (0.00000519)			
PCB 60	UG/L	T					ND (0.00000102) U	ND (0.00000138) U	ND (0.00000881)	ND (0.00000111)	ND (0.00000105)	ND (0.00000234)			
PCB 63	UG/L	T					ND (0.000000881) U	ND (0.00000117) U	ND (0.00000959)	ND (0.0000012)	ND (0.000000873)	ND (0.00000262)			
PCB 64	UG/L	T					0.00000131 J	ND (0.000000911) U	ND (0.00000917)	ND (0.0000014)	ND (0.000000699)	ND (0.00000183)			
PCB 66	UG/L	T					ND (0.00000106) U	ND (0.00000143) U	ND (0.00000856)	0.00000267 J	ND (0.000000956)	0.00000452 J			
PCB 67	UG/L	T					ND (0.0000011) U	ND (0.00000138) U	ND (0.00000835)	ND (0.00000103)	ND (0.000000881)	ND (0.00000223)			
PCB 68	UG/L	T					ND (0.000000946) U	ND (0.00000135) U	ND (0.00000948)	0.00000145	0.00000128	ND (0.0000026)			
PCB 7	UG/L	T					ND (0.00000259) U	ND (0.00000239) U	ND (0.00000782)	0.00000412 J	0.00000185 B	ND (0.00000507)			
PCB 72	UG/L	T					ND (0.000000977) U	ND (0.00000137) U	ND (0.00000863)	ND (0.00000109)	ND (0.00000104)	ND (0.00000234)			
PCB 77	UG/L	T					ND (0.00000115) U	ND (0.00000175) U	ND (0.00000903)	ND (0.00000152)	ND (0.00000121)	ND (0.00000286)			
PCB 8	UG/L	T					ND (0.00000273) U	0.0000051 U*	ND (0.00000815)	0.00000558 J	0.00000165 B	0.00000637 J			
PCB 82	UG/L	T					ND (0.00000151) U	ND (0.00000212) U	ND (0.00000114)	ND (0.00000223)	ND (0.000000873)	ND (0.00000249)			
PCB 83	UG/L	T					ND (0.00000133) U	ND (0.00000176) U	ND (0.00000111)	ND (0.00000209)	ND (0.00000091)	ND (0.00000247)			
PCB 84	UG/L	T					0.0000036 J	ND (0.00000168) U	ND (0.00000108)	ND (0.00000205)	ND (0.000000864)	ND (0.00000225)			
PCB 88	UG/L	T					ND (0.00000135) U	ND (0.00000186) U	ND (0.0000012)	ND (0.00000239)	ND (0.000000783)	ND (0.00000319)			
PCB 9	UG/L	T					ND (0.00000291) U	ND (0.00000268) U	ND (0.00000806)	ND (0.0000047)	ND (0.000000538)	ND (0.00000511)			
PCB 91	UG/L	T					ND (0.000000954) U	ND (0.00000129) U	ND (0.00000107)	ND (0.000002)	ND (0.000000664)	ND (0.00000204)			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-19S	MW-19S	MW-19S	MW-19S	MW-2	MW-2	MW-2		
			Human Health				Duplicate	5/18/07	8/22/07	5/26/10	8/19/10	5/27/09	10/20/09	4/14/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)	Top (ft)	Bottom (ft)
								0	0	0	0	0	0	0	0
PCB 92	UG/L	T					0.00000266 J	0.00000279 U*	ND (0.0000104)	ND (0.00000203)	ND (0.00000849)	ND (0.00000232)			
PCB 95	UG/L	T					0.0000118	0.000013 U*	ND (0.0000095)	0.00000541 J	0.00000149 B	0.00000718 B			
PCB 96	UG/L	T					ND (0.000000715) U	ND (0.00000085) U	ND (0.0000245)	ND (0.00000126)	ND (0.00000061)	ND (0.00000139)			
PCB 99	UG/L	T					0.00000716 U*	0.00000555 U*	ND (0.00000814)	0.00000236 J	ND (0.000000653)	ND (0.00000175)			
PCB-106/118	UG/L	T													
PCB-107/124	UG/L	T					ND (0.000000985) U	ND (0.00000133) U	ND (0.00000799)	ND (0.0000016)	ND (0.000000702)	ND (0.00000169)			
PCB-108/119/86/97/125/87	UG/L	T					0.00000814 J	0.00000968 U*	ND (0.00000916)	ND (0.0000018)	ND (0.000000705)	ND (0.00000197)			
PCB-113/90/101	UG/L	T					0.0000136 U*	0.0000135 U*	ND (0.0000093)	0.00000957 J	0.00000171 B	0.00000432 J			
PCB-116/85	UG/L	T					ND (0.000000958) U	ND (0.0000014) U	ND (0.0000109)	ND (0.00000199)	ND (0.000000678)	ND (0.00000217)			
PCB-128/166	UG/L	T					ND (0.00000108) U	ND (0.00000134) U	ND (0.00000906)	ND (0.00000198)	ND (0.00000093)	ND (0.00000191)			
PCB-13/12	UG/L	T					ND (0.00000291) U	ND (0.0000027) U	ND (0.0000997)	ND (0.00000568)	ND (0.000000667)	ND (0.00000596)			
PCB-139/140	UG/L	T					ND (0.000000708) U	ND (0.00000123) U	ND (0.00000872)	ND (0.00000186)	ND (0.00000081)	ND (0.00000169)			
PCB-147/149	UG/L	T					0.00000626 J	0.00000697 U*	ND (0.00000717)	0.00000335 J	0.00000119 B	ND (0.00000142)			
PCB-151/135	UG/L	T					ND (0.00000075) U	ND (0.00000127) U	ND (0.00000792)	ND (0.0000017)	ND (0.000000827)	ND (0.00000159)			
PCB-153/168	UG/L	T					0.00000617 U*	0.0000047 U*	ND (0.00000642)	0.00000343 J	0.00000147 B	ND (0.00000132)			
PCB-156/157	UG/L	T					ND (0.00000114) U	ND (0.0000016) U	ND (0.0000108)	ND (0.00000305)	ND (0.00000116)	ND (0.00000255)			
PCB-163/138/129	UG/L	T					0.00000747 J	0.0000071 U*	ND (0.00000762)	0.00000527 J	0.00000165 B	ND (0.00000152)			
PCB-171/173	UG/L	T					ND (0.00000135) U	ND (0.00000132) U	ND (0.00000999)	ND (0.00000198)	ND (0.00000102)	ND (0.00000254)			
PCB-180/193	UG/L	D													
PCB-180/193	UG/L	T					0.00000247 J	ND (0.00000105) U	ND (0.00000807)	ND (0.00000155)	ND (0.000000821)	ND (0.0000019)			
PCB-198/199	UG/L	T					ND (0.00000148) U	ND (0.00000165) U	ND (0.0000113)	ND (0.00000231)	ND (0.00000111)	ND (0.00000222)			
PCB-21/33	UG/L	T					0.00000337 U*	0.00000178 U*	ND (0.0000141)	0.00000411 J	0.00000101 B	0.00000393 J			
PCB-26/29	UG/L	T					ND (0.00000142) U	ND (0.00000193) U	ND (0.0000125)	ND (0.00000114)	ND (0.000000754)	ND (0.00000203)			
PCB-28/20	UG/L	T					0.00000676 U*	0.00000354 J	ND (0.0000122)	0.00000842 J	0.00000151 B	0.00000806 B			
PCB-30/18	UG/L	T					0.00000842 U*	0.00000532 U*	ND (0.0000158)	0.00000361 J	0.00000195 B	0.00000721 B			
PCB-44/47/65	UG/L	T					0.00000924 U*	0.00000813 U*	ND (0.0000109)	0.0000189	0.00000851 B	0.0000129 B			
PCB-50/53	UG/L	T					ND (0.00000107) U	0.00000363 J	ND (0.0000116)	ND (0.00000178)	ND (0.00000108)	0.00000384 J			
PCB-59/62/75	UG/L	T					ND (0.000000843) U	ND (0.00000106) U	ND (0.00000947)	ND (0.00000143)	ND (0.000000778)	ND (0.00000191)			
PCB-61/70/74/76	UG/L	T					0.0000046 U*	0.00000464 U*	ND (0.00000879)	0.0000061 J	ND (0.00000104)	0.00000927 J			
PCB-69/49	UG/L	T					0.00000519 J	0.000005 U*	ND (0.0000104)	0.00000349 J	ND (0.000000868)	0.00000747 B			
PCB-71/40	UG/L	T					0.00000309 J	0.00000313 U*	ND (0.0000104)	ND (0.00000168)	ND (0.000000964)	ND (0.0000021)			
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000485 U*	0.0000198 U*	ND (0.000123)	0.0000574	0.0000152 B	0.0000247 B			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000247 J	ND (0.00000114) U	ND (0.00000904)	ND (0.00000173)	ND (0.000000942)	ND (0.00000213)			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000226 J	0.0000216 U*	ND (0.0000142)	0.0000121	0.0000043 B	ND (0.00000189)			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000384	ND (0.000000995) U	ND (0.0000126)	0.00000796	0.0000195	0.0000317 B			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000169) U	ND (0.00000335) U	ND (0.0000137)	ND (0.00000291)	ND (0.00000188)	ND (0.0000065)			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000111) U	ND (0.00000111) U	ND (0.00000883)	ND (0.00000209)	ND (0.000000927)	ND (0.00000229)			
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02										
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000069 EMPC J	0.000064 U*	0.0000104 EMPC	0.0000321	0.00000599 B	0.0000146 B			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000391 EMPC J	0.000043 J	0.000014 B	0.000081 EMPC	0.000014 B	0.000063 B			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000357 J	0.0000135 J	ND (0.000017)	0.0000282	0.0000108 B	0.0000359 B			
ALUMINUM	UG/L	D		3.95E+11	2.56E+06		222	113 J	ND (80.2)	ND (83.4)	155000 J				
ALUMINUM	UG/L	T					1020	422	1410	155 J	172000 J				
ANTIMONY	UG/L	D		1.58E+08	8.82E+05		ND (9.7)	16 J			ND (48.5)	ND (48.5)			
ANTIMONY	UG/L	T					ND (9.7)	ND (9.7)			ND (48.5)	ND (48.5)			
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06		ND (0.7)	ND (0.7)			147	217			
ARSENIC	UG/L	T					ND (0.7)	ND (0.7)			162	287			
BARIUM	UG/L	D		7.90E+10	1.18E+05		48.4	93.4	147	148	3280				
BARIUM	UG/L	T					49.2	100	155	150	3560				
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04		ND (0.94)	ND (0.9)	1.5 J	1.5 B	361 J				
BERYLLIUM	UG/L	T					ND (0.94)	ND (0.9)	1.7 J	1.5 B	353 J				
CADMIUM	UG/L	D		1.98E+08	2.65E+04		ND (0.91)	ND (0.9)	ND (2)	ND (2)	23.7 J				
CADMIUM	UG/L	T					ND (0.91)	ND (0.9)	ND (2)	ND (2)	23.5 J				
CALCIUM	UG/L	D					42900	74900			701000				
CALCIUM	UG/L	T					42500	74100			684000				
CHROMIUM	UG/L	D		4.76E+06			ND (2.3)	ND (2.3)			ND (17)				
CHROMIUM	UG/L	T					2.3 B	ND (2.3)			ND (17)				

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-19S	MW-19S	MW-19S	MW-19S	MW-2	MW-2	MW-2
			Human Health				5/18/07	8/22/07	5/26/10	8/19/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	
COBALT	UG/L	D		1.41E+08	6.76E+05	8.2	7.2	ND (2.1)	ND (2.3)	3090			
COBALT	UG/L	T				8.2	3.4 J	ND (2.1)	ND (2.3)	3130			
COPPER	UG/L	D		1.58E+10	2.68E+05	3.7 B	11.4 B	3.2 J	ND (2.7)	237			
COPPER	UG/L	T				4.2 B	4.9 B	9.6 J	ND (2.7)	281			
FERROUS IRON	UG/L	T				63 B	12 J			575000			
IRON	UG/L	D		2.77E+11	2.94E+07	ND (52.2)	ND (52.2)	ND (52.2)	ND (52.2)	428000			
IRON	UG/L	T				397 J	68.8 J	216	ND (52.2)	465000			
LEAD	UG/L	D			4.71E+05	0.18 B	0.44 J	0.5 J	ND (0.052)	33.3			
LEAD	UG/L	T				0.47 B	0.34 J	2.1	ND (0.052)	34.8			
MAGNESIUM	UG/L	D				13500	28700			207000			
MAGNESIUM	UG/L	T				13400	27800			202000			
MANGANESE	UG/L	D		5.53E+10	3.38E+07	121	65.7	50.5	24.9 B	133000	123000		
MANGANESE	UG/L	T				121	46.7	51.2	24.7 B	135000	123000	127000	
MERCURY	UG/L	D		1.19E+08	3.53E+02	ND (0.056)	ND (0.056)			ND (0.056)			
MERCURY	UG/L	T				ND (0.056)	ND (0.056)			0.058 B			
NICKEL	UG/L	D		1.00E+10	3.59E+06	7.5 J	8 J	17.4	9.9 J	1400			
NICKEL	UG/L	T				7.7 J	6.7 J	19.7	9.8 J	1430			
POTASSIUM	UG/L	D				5930	9180			14600			
POTASSIUM	UG/L	T				5870	9100			14900			
SELENIUM	UG/L	D		1.98E+09	1.47E+05	ND (9.4)	ND (9.4)			7.6 J			
SELENIUM	UG/L	T				ND (9.4)	ND (9.4)			9 J			
SILVER	UG/L	D		2.21E+09	2.65E+05	ND (1.6)	ND (1.6)			ND (57.5)			
SILVER	UG/L	T				ND (1.6)	ND (1.6)			ND (57.5)			
SODIUM	UG/L	D				117000	158000			254000			
SODIUM	UG/L	T				118000	161000			249000			
THALLIUM	UG/L	D		3.95E+06	1.18E+06	0.078 J	0.083 J			0.85	1050		
THALLIUM	UG/L	T				0.078 J	0.073 J			0.87	ND (70)	0.87	
TITANIUM	UG/L	D				ND (2.8)	ND (2.8)			ND (19)			
TITANIUM	UG/L	T				11.3	ND (2.8)			26.3 J			
VANADIUM	UG/L	D		2.77E+07	5.88E+05	ND (1.5)	ND (1.5)			63.6			
VANADIUM	UG/L	T				2.1 J	1.5 J			72.3			
ZINC	UG/L	D		1.33E+11	2.41E+06	31.2 B	34.7	41.8	26.4	4560			
ZINC	UG/L	T				32.1 B	22.4	56.5	28.6	4680			
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				24400	37900			ND (460)			
AMMONIA	UG/L	T		1.34E+13		ND (200)	ND (200)			2600			
CHLORIDE	UG/L	T				222000	386000			4720000			
CYANIDE	UG/L	T		8.45E+09	1.53E+05	ND (5)	ND (5)			ND (5) UJ			
FERRIC IRON	UG/L	T				330	57 J			ND (50000)			
NITRATE	UG/L	T		6.32E+11		2700 J	2500 J			ND (40)			
NITRITE	UG/L	T		3.95E+10		ND (15)	ND (15) UJ			140 J			
PHOSPHORUS	UG/L	T				ND (250)	ND (250)			ND (250)			
SILICA	UG/L	T				11900	10900 J			59500			
SULFATE	UG/L	T				68900	71700			5300			
SULFIDE	UG/L	T				ND (54)	ND (54)			ND (54)			
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T				163000	298000						
TOTAL ORGANIC CARBON	UG/L	T				ND (1000)	ND (1000)			1300 B			
TOTAL SUSPENDED SOLIDS	UG/L	T				46400	6400 J	12800	ND (3000)	27600			
COLOR QUALITATIVE (FIELD)	NS	T				Clear	clr	NS	NS	clear	clear	NS	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				7920	5840	5830	4800	-4240	410	10	
ODOR (FIELD)	NS	T				No	no	NS	NS	none	No	NS	
OVABZONE	PPM	T				NR		NS	NS			NS	
OVACASING	PPM	T				NR		NS	NS			NS	
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T						NS	NS			NS	
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				ND (0.000000714) U	ND (0.000000851) U			ND (0.000000594)			
TOTAL HPCDDS	UG/L	T											

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	
			Human Health			Date	10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	8/19/10	5/27/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0		
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05					ND (0.8)	ND (0.8)				
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06					ND (1)	ND (1)				
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05					ND (0.8)	ND (0.8)				
1,2-DICHLOROBENZENE	UG/L	T		2.83E+09	2.06E+04					ND (1)	ND (1)				
1,4-DICHLOROBENZENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05					ND (1)	ND (1)				
ACETONE	UG/L	T		4.08E+11	4.41E+07					ND (6)	ND (6)				
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07					ND (0.5)	ND (0.5)				
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04					ND (1)	1 J				
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04					ND (0.8)	ND (0.8)				
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04					ND (0.8)	ND (0.8)				
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05					ND (0.8)	ND (0.8)				
ETHYL CHLORIDE	UG/L	T								ND (1)	ND (1)				
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06					ND (0.8)	ND (0.8)				
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06					ND (1)	ND (1)				
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08					ND (3)	ND (3)				
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06					ND (2)	ND (2)				
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06					4 J	3 J				
TOLUENE	UG/L	T		3.52E+09	5.88E+04					ND (0.7)	ND (0.7)				
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05					ND (0.8)	ND (0.8)				
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05					ND (1)	ND (1)				
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07					ND (1)	ND (1)				
XYLENES	UG/L	T		5.98E+09	3.82E+05					ND (0.8)	ND (0.8)				
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07					ND (3)	ND (3)				
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05					ND (1)	ND (1)				
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09						ND (1)	ND (1)				
ACENAPHTHENE	UG/L	T		1.01E+09						ND (1)	ND (1)				
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02					ND (1)	ND (1)				
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02					ND (1)	ND (1)				
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05					ND (2)	ND (2)				
CARBAZOLE	UG/L	T		5.29E+08						ND (1)	ND (1)				
CHRYSENE	UG/L	T	9.83E+01		1.18E+02					ND (1)	ND (1)				
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05					ND (1)	ND (1)				
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05					ND (2)	ND (2)				
FLUORENE	UG/L	T		5.29E+08	8.82E+04					ND (1)	ND (1)				
HEXACHLOROBENZENE	UG/L	T			8.82E+00	ND (1) R		ND (1)		ND (1)	ND (1)				
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04					ND (1)	ND (1)				
PHENANTHRENE	UG/L	T			1.18E+04					ND (1)	ND (1)				
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.0000272)	ND (0.0000227)	ND (0.0000243) U	ND (0.00000549) U		ND (0.0000106)	ND (0.00006550527)		
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.0000107)	ND (0.0000106)	ND (0.000011) U	ND (0.00000383) U		ND (0.00000704)	ND (0.0000318862)		
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.0000181)	ND (0.0000195)	ND (0.0000185) U	ND (0.00000628) U		ND (0.0000109)	ND (0.00004073833)		
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.0000137)	ND (0.0000137)	ND (0.0000134) U	ND (0.00000336) U		ND (0.00000726)	ND (0.00003592672)		
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.00000635)	ND (0.0000054)	ND (0.0000018) U	ND (0.00000542) U		ND (0.00000464)	ND (0.00002563725)		
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.0000137)	ND (0.0000132)	ND (0.0000125) U	ND (0.00000353) U		ND (0.00000748)	ND (0.00003509631)		
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.00000652)	ND (0.0000057)	ND (0.00000172) UJ	ND (0.00000548) U		ND (0.00000439)	ND (0.0000238183)		
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.0000156)	ND (0.0000165)	ND (0.0000148) U	ND (0.00000333) U		ND (0.00000795)	ND (0.00003889927)		
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.0000106)	ND (0.00000886)	ND (0.0000031) U	ND (0.00000842) U		ND (0.00000543)	ND (0.00003664233)		
1,2,3,7,8-PECDF	UG/L	T					ND (0.00000871)	ND (0.0000128)	ND (0.000014) U	ND (0.0000105) U		ND (0.00000651)	ND (0.00001696982)		
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.00000688)	ND (0.00000609)	ND (0.0000022) U	ND (0.00000655) U		ND (0.00000439)	ND (0.00002682581)		
2,3,4,7,8-PECDF	UG/L	T					ND (0.00000794)	ND (0.0000113)	ND (0.0000129) U	ND (0.00000973) U		ND (0.00000655)	ND (0.00001517258)		
2,3,7,8-TCDD	UG/L	T					ND (0.0000107)	ND (0.000015)	ND (0.00000505) U	ND (0.00000492) U		ND (0.00000745)	ND (0.00002865165)		
2,3,7,8-TCDF	UG/L	T					ND (0.0000107)	ND (0.0000118)	ND (0.00000438) U	ND (0.00000703) U		ND (0.00000779)	ND (0.00001606471)		
HPCDDS	UG/L	T							0.0000184 EMPC	ND (0.00000549) U					
HXCDDS	UG/L	T							ND (0.0000135) U	ND (0.0000034) U					
HXCDFS	UG/L	T							ND (0.00000214) U	ND (0.00000635) U					
OCDD	UG/L	T					ND (0.0000477)	0.00000823 J	0.00000844 J	ND (0.0000205) U		ND (0.0000288)	0.0000191 B		
OCDF	UG/L	T					ND (0.0000451)	ND (0.0000497)	ND (0.0000668) U	ND (0.0000173) U		ND (0.0000343)	ND (0.00008135164)		
TCDDS	UG/L	T					ND (0.0000107)	ND (0.000015)	0.00000554 U*	ND (0.00000492) U		0.0000252 B	ND (0.00002865165)		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D		
			Human Health				Ecological (DF=29,412)	10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	8/19/10	5/27/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
				FS	DUP	FS	FS	FS	FS	FS	FS	FS				
TCDFS	UG/L	T					ND (0.0000107)	ND (0.0000118)	ND (0.00000438) U	ND (0.00000703) U		ND (0.00000779)	ND (0.00001606471)			
TOTAL HPCDD	UG/L	T					ND (0.0000272)	ND (0.0000227)				ND (0.0000106)	ND (0.00006550527)			
TOTAL HPCDF	UG/L	T					ND (0.0000137)	ND (0.0000143)				ND (0.00000876)	ND (0.00003578769)			
TOTAL HXCDD	UG/L	T					ND (0.0000143)	ND (0.0000144)				ND (0.00000754)	ND (0.00003651848)			
TOTAL HXCDF	UG/L	T					ND (0.00000737)	ND (0.00000637)				ND (0.00000468)	ND (0.00002768688)			
TOTAL PECDD	UG/L	T					ND (0.0000114)	ND (0.0000131)				ND (0.00000876)	ND (0.00002560192)			
TOTAL PECDDS	UG/L	T							ND (0.00000889) U	ND (0.00000804) U						
TOTAL PECDF	UG/L	T					ND (0.00000831)	ND (0.0000121)				ND (0.00000653)	ND (0.00001602523)			
TOTAL PECDFS	UG/L	T							ND (0.0000135) U	ND (0.0000101) U						
PCB 1	UG/L	D														
PCB 1	UG/L	T					0.00000638 J	0.00000801 J	ND (0.0000343) UJ	ND (0.00000665) U		ND (0.0000114)	ND (0.0000346)			
PCB 10	UG/L	T					ND (0.0000689)	ND (0.0000841)	ND (0.0000535) U	ND (0.000022) U		ND (0.0000642)	ND (0.0000157)			
PCB 103	UG/L	T					ND (0.0000231)	ND (0.0000261)	ND (0.0000113) U	ND (0.00000915) U		ND (0.0000265)	ND (0.0000232)			
PCB 105	UG/L	T					ND (0.0000189)	ND (0.0000213)	0.0000485 U*	ND (0.0000104) U		ND (0.0000279)	0.0000114			
PCB 109	UG/L	T					ND (0.000017)	ND (0.0000192)	0.0000381 U*	ND (0.00000792) U		ND (0.0000231)	ND (0.0000181)			
PCB 11	UG/L	T					ND (0.0000671)	0.0000242 B	0.000102 U*	0.0000171 U*		0.000053 J	0.0000391 B			
PCB 110	UG/L	T					ND (0.0000172)	ND (0.0000194)	0.0000172 U*	0.00000618 U*		0.00000428 J	0.0000381			
PCB 114	UG/L	T					ND (0.0000185)	ND (0.0000204)	ND (0.0000111) U	ND (0.0000104) U		ND (0.0000277)	ND (0.0000215)			
PCB 117	UG/L	T					ND (0.0000187)	ND (0.0000211)	ND (0.0000136) U	ND (0.00000894) U		ND (0.0000262)	ND (0.0000202)			
PCB 118	UG/L	T					ND (0.0000176)	ND (0.0000219)	0.00000836 U*	0.00000388 U*		0.00000515 J	0.0000298			
PCB 123	UG/L	T					ND (0.0000194)	ND (0.0000219)	ND (0.0000111) U	ND (0.0000102) U		ND (0.0000291)	ND (0.0000228)			
PCB 130	UG/L	T					ND (0.0000253)	ND (0.0000361)	0.0000102 U*	ND (0.0000116) U		ND (0.0000314)	ND (0.00002)			
PCB 131	UG/L	T					ND (0.0000236)	ND (0.0000336)	ND (0.0000117) U	ND (0.00000963) U		ND (0.0000264)	ND (0.0000175)			
PCB 132	UG/L	T					ND (0.0000231)	ND (0.0000329)	0.00000684 U*	ND (0.00000953) U		ND (0.0000258)	0.00000748 J			
PCB 133	UG/L	T					ND (0.0000227)	ND (0.0000324)	0.00000518 U*	ND (0.00000948) U		ND (0.0000289)	ND (0.0000192)			
PCB 134	UG/L	T					ND (0.0000286)	ND (0.0000407)	ND (0.0000149) U	ND (0.0000118) U		ND (0.0000293)	ND (0.0000206)			
PCB 136	UG/L	T					ND (0.0000137)	ND (0.0000198)	ND (0.00000953) U	ND (0.00000698) U		ND (0.0000226)	0.00000475 J			
PCB 137	UG/L	T					ND (0.0000217)	ND (0.0000309)	0.00000307 J	ND (0.00000794) U		ND (0.0000275)	ND (0.0000197)			
PCB 141	UG/L	T					ND (0.0000208)	ND (0.0000297)	ND (0.0000109) U	ND (0.00000908) U		ND (0.0000242)	ND (0.0000163)			
PCB 144	UG/L	T					ND (0.0000215)	ND (0.0000306)	ND (0.0000123) U	ND (0.00000982) U		ND (0.0000251)	ND (0.000018)			
PCB 146	UG/L	T					ND (0.000019)	ND (0.000027)	0.0000128 U*	ND (0.00000957) U		ND (0.0000225)	ND (0.0000151)			
PCB 148	UG/L	T					ND (0.000022)	ND (0.0000314)	ND (0.0000117) U	ND (0.00000938) U		ND (0.0000289)	ND (0.0000204)			
PCB 15	UG/L	T					ND (0.0000649)	ND (0.0000783)	0.00000408	ND (0.00000306) U		0.00000502 J	ND (0.0000171)			
PCB 150	UG/L	T					ND (0.0000129)	ND (0.0000187)	ND (0.00000844) U	ND (0.00000629) U		ND (0.0000249)	ND (0.0000216)			
PCB 154	UG/L	T					ND (0.0000182)	ND (0.0000259)	ND (0.0000108) U	ND (0.00000845) U		ND (0.0000228)	ND (0.000016)			
PCB 156	UG/L	T														
PCB 157	UG/L	T														
PCB 158	UG/L	T					ND (0.0000145)	ND (0.0000206)	ND (0.00000966) U	ND (0.00000746) U		ND (0.0000197)	0.000003 J			
PCB 159	UG/L	T					ND (0.0000188)	ND (0.0000264)	ND (0.0000106) U	ND (0.00000854) U		ND (0.0000254)	ND (0.0000153)			
PCB 16	UG/L	T					ND (0.0000327)	ND (0.0000415)	0.00000649 J	ND (0.0000193) U		ND (0.0000329)	ND (0.0000664)			
PCB 160	UG/L	T					ND (0.0000169)	ND (0.0000241)	ND (0.00001) U	ND (0.00000816) U		ND (0.0000255)	ND (0.0000154)			
PCB 162	UG/L	T					ND (0.000018)	ND (0.0000254)	0.00000259 U*	ND (0.00000777) U		ND (0.0000281)	ND (0.0000177)			
PCB 164	UG/L	T					ND (0.0000157)	ND (0.0000224)	ND (0.00000816) U	ND (0.00000705) U		ND (0.0000197)	ND (0.0000117)			
PCB 167	UG/L	T					ND (0.0000176)	ND (0.0000248)	0.00000366 J	ND (0.0000084) U		ND (0.000003)	ND (0.0000175)			
PCB 169	UG/L	T					ND (0.0000207)	ND (0.0000254)	ND (0.000013) U	ND (0.0000103) U		ND (0.0000319)	ND (0.0000151)			
PCB 17	UG/L	T					ND (0.0000263)	ND (0.0000335)	0.0000053 U*	ND (0.0000138) U		ND (0.0000248)	ND (0.0000541)			
PCB 170	UG/L	T					ND (0.0000331)	ND (0.0000328)	ND (0.0000143) U	ND (0.0000115) U		ND (0.0000311)	ND (0.0000194)			
PCB 172	UG/L	T					ND (0.0000391)	ND (0.000039)	ND (0.000014) U	ND (0.0000112) U		ND (0.0000333)	ND (0.0000207)			
PCB 174	UG/L	T					ND (0.0000342)	ND (0.0000341)	ND (0.0000144) U	ND (0.0000121) U		ND (0.0000316)	ND (0.0000204)			
PCB 175	UG/L	T					ND (0.0000357)	ND (0.0000356)	ND (0.0000146) U	ND (0.0000117) U		ND (0.0000331)	ND (0.0000223)			
PCB 176	UG/L	T					ND (0.0000168)	ND (0.0000187)	ND (0.00000783) U	ND (0.00000612) U		ND (0.000025)	ND (0.0000192)			
PCB 177	UG/L	T					ND (0.0000386)	ND (0.0000385)	ND (0.0000158) U	ND (0.0000128) U		ND (0.0000327)	ND (0.000021)			
PCB 178	UG/L	T					ND (0.0000227)	ND (0.0000252)	ND (0.0000114) U	ND (0.00000919) U		ND (0.0000293)	ND (0.000022)			
PCB 179	UG/L	T					ND (0.0000167)	ND (0.0000186)	ND (0.00000966) U	ND (0.00000762) U		ND (0.0000219)	ND (0.0000173)			
PCB 183	UG/L	T					ND (0.0000354)	ND (0.0000352)	ND (0.0000119) U	ND (0.00000972) U		ND (0.0000253)	ND (0.0000177)			
PCB 185	UG/L	T					ND (0.0000333)	ND (0.0000332)	ND (0.0000119) U	ND (0.00000956) U		ND (0.0000408)	ND (0.0000249)			
PCB 187	UG/L	T					0.00000395 J	ND (0.0000317)	ND (0.0000137) U	ND (0.0000112) U		ND (0.0000287)	ND (0.0000188)			
PCB 189	UG/L	T					ND (0.0000188)	ND (0.0000219)	ND (0.0000115) U	ND (0.0000102) U		ND (0.0000245)	ND (0.0000161)			
PCB 19	UG/L	T					ND (0.0000251)	ND (0.0000319)	ND (0.0000251) U	ND (0.000016) U		ND (0.0000298)	ND (0.0000686)			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	
			Human Health			Date	10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	8/19/10	5/27/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0	0	
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 190	UG/L	T					ND (0.0000244)	ND (0.0000242)	ND (0.0000125) U	ND (0.00000979) U		ND (0.0000256)	ND (0.0000149)		
PCB 191	UG/L	T					ND (0.0000285)	ND (0.0000284)	ND (0.0000123) U	ND (0.00000988) U		ND (0.0000272)	ND (0.0000165)		
PCB 194	UG/L	T					ND (0.0000403)	ND (0.0000434)	ND (0.0000148) U	ND (0.0000119) U		ND (0.0000372)	ND (0.0000171)		
PCB 195	UG/L	T					ND (0.0000454)	ND (0.0000489)	ND (0.0000156) U	ND (0.0000122) U		ND (0.0000374)	ND (0.0000192)		
PCB 196	UG/L	T					ND (0.0000237)	ND (0.0000331)	ND (0.0000113) U	ND (0.00000978) U		ND (0.0000288)	ND (0.0000228)		
PCB 197	UG/L	T					ND (0.0000173)	ND (0.0000242)	ND (0.00000822) U	ND (0.00000689) U		ND (0.0000201)	ND (0.0000176)		
PCB 2	UG/L	T					0.000041 J	0.0000495 J	ND (0.0000271) U	ND (0.00000818) U		ND (0.0000142)	ND (0.0000303)		
PCB 200	UG/L	T					ND (0.0000179)	ND (0.000025)	ND (0.0000103) U	ND (0.00000788) U		ND (0.000024)	ND (0.0000199)		
PCB 201	UG/L	T					ND (0.000018)	ND (0.0000251)	ND (0.00000972) U	ND (0.00000789) U		ND (0.0000226)	ND (0.0000194)		
PCB 202	UG/L	T					ND (0.0000176)	ND (0.0000246)	ND (0.00000904) U	ND (0.00000801) U		ND (0.0000252)	ND (0.0000232)		
PCB 203	UG/L	T					ND (0.0000208)	ND (0.0000291)	ND (0.0000119) U	ND (0.0000103) U		ND (0.0000276)	ND (0.0000214)		
PCB 205	UG/L	T					ND (0.0000267)	ND (0.0000287)	ND (0.000013) U	ND (0.00000958) U		ND (0.000035)	ND (0.000016)		
PCB 206	UG/L	T					ND (0.0000468)	ND (0.0000619)	ND (0.0000236) U	ND (0.0000298) U		ND (0.0000503)	ND (0.0000547)		
PCB 207	UG/L	T					ND (0.0000362)	ND (0.0000506)	ND (0.0000182) U	ND (0.0000194) U		ND (0.000032)	ND (0.0000353)		
PCB 208	UG/L	T					ND (0.0000357)	ND (0.0000499)	ND (0.0000192) U	ND (0.0000205) U		ND (0.0000372)	ND (0.0000436)		
PCB 209	UG/L	T					ND (0.0000237)	ND (0.0000307)	0.0000217 J	ND (0.0000131) U		ND (0.0000536)	ND (0.0000256)		
PCB 22	UG/L	T					ND (0.0000193)	ND (0.0000222)	0.0000359 U*	ND (0.0000188) U		0.0000245 J	ND (0.0000301)		
PCB 23	UG/L	T					ND (0.0000192)	ND (0.0000221)	ND (0.0000151) U	ND (0.0000182) U		ND (0.0000206)	ND (0.0000371)		
PCB 25	UG/L	T					ND (0.0000171)	ND (0.0000197)	ND (0.0000152) U	ND (0.0000167) U		ND (0.0000153)	ND (0.0000274)		
PCB 27	UG/L	T					ND (0.0000199)	ND (0.0000253)	ND (0.0000196) U	ND (0.0000119) U		ND (0.0000204)	ND (0.0000428)		
PCB 3	UG/L	T					ND (0.0000142)	0.0000225 J	ND (0.0000287) U	ND (0.00000785) U		ND (0.0000167)	ND (0.0000356)		
PCB 31	UG/L	T					0.0000525 J	0.000046 J	0.0000709 U*	ND (0.0000155) U		0.0000572 J	0.000058 J		
PCB 32	UG/L	T					0.0000363 J	0.0000447 J	0.0000388 U*	ND (0.00000967) U		0.0000344 J	ND (0.0000377)		
PCB 34	UG/L	T					ND (0.0000201)	ND (0.0000231)	ND (0.0000162) U	ND (0.0000191) U		ND (0.0000174)	ND (0.000033)		
PCB 35	UG/L	T					ND (0.0000204)	ND (0.0000235)	ND (0.0000168) U	ND (0.000021) U		ND (0.0000195)	ND (0.0000342)		
PCB 37	UG/L	T					ND (0.0000187)	ND (0.0000215)	ND (0.0000178) U	ND (0.0000206) U		ND (0.0000208)	ND (0.0000365)		
PCB 38	UG/L	T					ND (0.0000197)	ND (0.0000227)	ND (0.0000149) U	ND (0.0000183) U		ND (0.0000198)	ND (0.0000358)		
PCB 39	UG/L	T					ND (0.0000177)	ND (0.0000204)	ND (0.0000148) U	ND (0.0000181) U		ND (0.0000192)	ND (0.0000347)		
PCB 4	UG/L	D													
PCB 4	UG/L	T					ND (0.0000976)	ND (0.0000119)	0.0000103 U*	ND (0.0000417) U		ND (0.000011)	ND (0.0000286)		
PCB 41	UG/L	T					ND (0.0000284)	ND (0.0000362)	ND (0.0000166) U	ND (0.00000995) U		ND (0.0000248)	ND (0.0000236)		
PCB 42	UG/L	T					ND (0.0000239)	ND (0.0000304)	ND (0.0000177) U	ND (0.0000109) U		ND (0.0000263)	ND (0.0000227)		
PCB 43	UG/L	T					ND (0.0000269)	ND (0.0000342)	ND (0.0000202) U	ND (0.0000118) U		ND (0.0000327)	ND (0.0000237)		
PCB 45	UG/L	T					ND (0.0000233)	ND (0.0000296)	ND (0.0000147) U	ND (0.0000084) U		ND (0.0000215)	ND (0.0000213)		
PCB 46	UG/L	T					ND (0.0000248)	ND (0.0000315)	ND (0.0000159) U	ND (0.00000966) U		ND (0.0000266)	ND (0.0000223)		
PCB 48	UG/L	T					ND (0.0000212)	ND (0.000027)	ND (0.0000138) U	ND (0.00000844) U		ND (0.0000223)	ND (0.0000188)		
PCB 5	UG/L	T					ND (0.0000641)	ND (0.0000774)	ND (0.0000356) U	ND (0.0000276) U		ND (0.0000689)	ND (0.000015)		
PCB 51	UG/L	T					ND (0.0000213)	ND (0.0000271)	ND (0.0000148) U	ND (0.00000926) U		ND (0.0000272)	ND (0.0000193)		
PCB 52	UG/L	T					0.0000832 J	0.0000673 J	0.0000107 U*	0.0000663 U*		0.0000711 J	0.0000236		
PCB 54	UG/L	T					ND (0.000012)	ND (0.0000159)	ND (0.0000084) U	ND (0.00000697) U		ND (0.0000176)	ND (0.0000425)		
PCB 56	UG/L	T					ND (0.0000187)	ND (0.0000249)	0.0000206 EMPC J	ND (0.0000143) U		ND (0.0000167)	ND (0.0000201)		
PCB 57	UG/L	T					ND (0.0000195)	ND (0.000026)	ND (0.0000088) U	ND (0.0000129) U		ND (0.0000189)	ND (0.000023)		
PCB 6	UG/L	T					ND (0.0000643)	ND (0.0000776)	ND (0.000039) U	ND (0.0000296) U		ND (0.0000638)	ND (0.0000148)		
PCB 60	UG/L	T					ND (0.000019)	ND (0.0000253)	ND (0.00000858) U	ND (0.0000124) U		ND (0.0000163)	ND (0.000002)		
PCB 63	UG/L	T					ND (0.0000187)	ND (0.0000249)	ND (0.00000747) U	ND (0.0000108) U		ND (0.0000177)	ND (0.0000222)		
PCB 64	UG/L	T					0.0000292 J	0.000033 J	0.0000279 U*	ND (0.0000057) U		ND (0.0000194)	0.000004 J		
PCB 66	UG/L	T					ND (0.000019)	ND (0.0000253)	0.0000356 U*	ND (0.0000141) U		0.0000292 J	0.0000421 J		
PCB 67	UG/L	T					ND (0.0000167)	ND (0.0000222)	ND (0.000009) U	ND (0.0000129) U		ND (0.0000151)	ND (0.0000189)		
PCB 68	UG/L	T					ND (0.000017)	ND (0.0000226)	ND (0.00000877) U	ND (0.0000127) U		ND (0.0000176)	ND (0.0000228)		
PCB 7	UG/L	T					ND (0.0000599)	ND (0.0000723)	ND (0.0000344) U	ND (0.0000263) U		ND (0.0000613)	ND (0.0000142)		
PCB 72	UG/L	T					ND (0.0000187)	ND (0.0000249)	ND (0.00000884) U	ND (0.0000126) U		ND (0.0000159)	ND (0.0000195)		
PCB 77	UG/L	T					ND (0.0000194)	ND (0.0000247)	ND (0.0000104) U	ND (0.0000163) U		ND (0.0000225)	ND (0.0000218)		
PCB 8	UG/L	T					ND (0.0000627)	ND (0.0000756)	0.0000104 U*	0.0000321 U*		0.0000529 J	0.0000664 J		
PCB 82	UG/L	T					ND (0.0000293)	ND (0.0000331)	ND (0.0000176) U	ND (0.000015) U		ND (0.0000365)	ND (0.0000307)		
PCB 83	UG/L	T					ND (0.0000314)	ND (0.0000355)	ND (0.0000163) U	ND (0.0000129) U		ND (0.0000342)	ND (0.0000302)		
PCB 84	UG/L	T					ND (0.0000274)	ND (0.0000309)	0.0000301 U*	ND (0.0000119) U		ND (0.0000335)	0.0000776 J		
PCB 88	UG/L	T					ND (0.0000274)	ND (0.0000309)	ND (0.0000164) U	ND (0.0000137) U		ND (0.000039)	ND (0.0000371)		
PCB 9	UG/L	T					ND (0.000061)	ND (0.0000736)	ND (0.000038) U	ND (0.0000293) U		ND (0.0000633)	ND (0.0000144)		
PCB 91	UG/L	T					ND (0.0000234)	ND (0.0000264)	0.0000271 U*	ND (0.00000882) U		ND (0.0000326)	0.0000369 J		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	
			Human Health				10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	8/19/10	5/27/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0		
			Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS			
PCB 92	UG/L	T					ND (0.0000026)	ND (0.00000293)	0.00000268 J	0.00000147 U*		ND (0.00000332)	0.00000491 J		
PCB 95	UG/L	T					0.00000289 J	ND (0.00000279)	0.00000719 U*	0.00000609 U*		ND (0.00000288)	0.00000281		
PCB 96	UG/L	T					ND (0.00000135)	ND (0.00000181)	ND (0.000000966) U	ND (0.000000546) U		ND (0.0000021)	ND (0.00000283)		
PCB 99	UG/L	T					ND (0.00000213)	ND (0.00000241)	0.00000475 U*	0.0000025 U*		ND (0.00000277)	0.0000109 EMPC		
PCB-106/118	UG/L	T													
PCB-107/124	UG/L	T					ND (0.00000196)	ND (0.00000221)	ND (0.00000112) U	ND (0.000000975) U		ND (0.00000261)	ND (0.00000207)		
PCB-108/119/86/97/125/87	UG/L	T					ND (0.0000022)	ND (0.00000248)	0.00000905 J	0.00000463 U*		ND (0.00000294)	0.00000262		
PCB-113/90/101	UG/L	T					0.00000423 J	ND (0.00000249)	0.00001 U*	0.00000793 U*		0.00000856 J	0.0000043		
PCB-116/85	UG/L	T					ND (0.00000225)	ND (0.00000254)	ND (0.00000111) U	ND (0.00000106) U		ND (0.00000325)	ND (0.00000296)		
PCB-128/166	UG/L	T					ND (0.0000022)	ND (0.00000311)	0.00000288 U*	ND (0.000000908) U		ND (0.00000287)	0.00000442 J		
PCB-13/12	UG/L	T					ND (0.0000063)	ND (0.0000076)	ND (0.00000371) U	ND (0.00000293) U		ND (0.00000766)	ND (0.0000169)		
PCB-139/140	UG/L	T					ND (0.00000206)	ND (0.00000293)	ND (0.0000011) U	ND (0.000000898) U		ND (0.00000274)	ND (0.0000019)		
PCB-147/149	UG/L	T					0.00000663 J	0.0000071 J	0.0000136 J	0.00000375 U*		ND (0.00000227)	0.0000136		
PCB-151/135	UG/L	T					0.00000324 J	ND (0.00000311)	0.0000083 U*	ND (0.000000927) U		ND (0.00000251)	0.00000422 J		
PCB-153/168	UG/L	T					0.00000665 B	0.00000561 B	0.0000123 U*	0.00000283 U*		0.00000309 J	0.0000117		
PCB-156/157	UG/L	T					ND (0.00000259)	ND (0.00000333)	0.00000278 U*	ND (0.00000107) U		ND (0.00000414)	ND (0.00000218)		
PCB-163/138/129	UG/L	T					0.00000443 B	0.00000552 B	0.0000159 U*	0.00000321 U*		0.00000342 J	0.00000224		
PCB-171/173	UG/L	T					ND (0.00000379)	ND (0.00000378)	ND (0.00000148) U	ND (0.00000119) U		ND (0.00000334)	ND (0.00000211)		
PCB-180/193	UG/L	D													
PCB-180/193	UG/L	T					0.000005 B	ND (0.00000289)	0.00000337 EMPC J	ND (0.000000947) U		ND (0.00000261)	ND (0.00000163)		
PCB-198/199	UG/L	T					ND (0.00000235)	ND (0.00000329)	ND (0.00000137) U	ND (0.00000118) U		ND (0.00000305)	ND (0.0000024)		
PCB-21/33	UG/L	T					0.00000284 J	ND (0.00000224)	0.0000058 J	ND (0.00000163) U		0.00000397 J	ND (0.00000347)		
PCB-26/29	UG/L	T					ND (0.0000019)	ND (0.00000218)	ND (0.0000015) U	ND (0.00000173) U		ND (0.00000167)	ND (0.00000303)		
PCB-28/20	UG/L	T					0.00000692 B	0.00000593 B	0.0000096 U*	0.00000236 J		0.00000929 J	0.00000687 B		
PCB-30/18	UG/L	T					0.00000729 J	0.0000085 J	0.0000136 U*	0.00000373 U*		0.00000484 J	0.00000955 J		
PCB-44/47/65	UG/L	T					0.00000683 J	0.00000789 J	0.0000103 U*	0.00000369 U*		0.00000683 J	0.0000107 EMPC		
PCB-50/53	UG/L	T					ND (0.00000214)	ND (0.00000272)	ND (0.0000014) U	ND (0.000000821) U		ND (0.00000246)	ND (0.00000206)		
PCB-59/62/75	UG/L	T					ND (0.00000166)	ND (0.00000211)	ND (0.00000111) U	ND (0.000000653) U		ND (0.00000198)	ND (0.00000162)		
PCB-61/70/74/76	UG/L	T					ND (0.00000183)	ND (0.00000244)	0.00000912 U*	0.00000548 U*		0.00000723 J	0.0000194		
PCB-69/49	UG/L	T					0.00000336 J	0.00000304 J	0.00000399 U*	0.00000174 U*		0.00000333 J	0.00000502 J		
PCB-71/40	UG/L	T					0.00000345 J	ND (0.00000251)	0.00000287 EMPC J	0.00000142 U*		ND (0.00000232)	ND (0.00000184)		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000812)	0.0000242 B	0.000127 J	0.0000203 U*		0.0000633	0.0000458 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000894 B	ND (0.00000281)	0.00000337 EMPC J	ND (0.000001) U		ND (0.00000282)	ND (0.00000197)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000021 B	0.0000182 B	0.0001 EMPC J	0.00000979 U*		0.00000651	0.00000715 EMPC		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000105	0.0000152	ND (0.00000315) U	ND (0.000000725) U		ND (0.00000141)	ND (0.00000351)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000413)	ND (0.00000559)	ND (0.00000214) U	ND (0.00000251) U		ND (0.00000437)	ND (0.00000492)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000221)	ND (0.00000267)	ND (0.0000011) U	ND (0.000000879) U		ND (0.00000301)	ND (0.00000196)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02										
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000712 EMPC	ND (0.00000214)	0.0000737 EMPC J	0.0000327 U*		0.000018	0.000204 EMPC		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000249 EMPC	0.000021 EMPC	0.0000454 EMPC J	0.000019 U*		0.0000274 EMPC	0.0000669 EMPC		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000259 EMPC	0.0000235 EMPC	0.0000553 J	0.00000609 J		0.0000297	0.0000222 B		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06				ND (80.2)	ND (80.2)	ND (80.2)	ND (83.4)			
ALUMINUM	UG/L	T							2300	106 J	228 B	2150			
ANTIMONY	UG/L	D		1.58E+08	8.82E+05				ND (9.7)	ND (9.7)					
ANTIMONY	UG/L	T					ND (0.3)	ND (0.3)	ND (9.7)	ND (9.7)					
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06				ND (0.7)	ND (0.7)					
ARSENIC	UG/L	T					163	245	ND (0.7)	ND (0.7)					
BARIUM	UG/L	D		7.90E+10	1.18E+05				66.2	61.2	57.7	61.4			
BARIUM	UG/L	T							81.2	63.2	59.1	64.6			
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04				ND (0.9)	ND (0.9)	ND (1.4)	1.4 B			
BERYLLIUM	UG/L	T							ND (0.9)	ND (0.9)	ND (1.4)	1.6 B			
CADMIUM	UG/L	D		1.98E+08	2.65E+04				ND (0.9)	ND (0.9)	ND (2)	ND (2)			
CADMIUM	UG/L	T							ND (0.9)	ND (0.9)	ND (2)	ND (2)			
CALCIUM	UG/L	D							15200	14500					
CALCIUM	UG/L	T							16500	14600					
CHROMIUM	UG/L	D		4.76E+06					ND (2.3)	ND (2.3)					
CHROMIUM	UG/L	T							19.2	ND (2.3)					

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-2	MW-2	MW-2	MW-20D	MW-20D	MW-20D	MW-20D	MW-20D	
			Human Health			Date	10/7/10	4/11/11	4/11/11	5/25/07	8/22/07	5/27/10	8/19/10	5/27/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0		
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05					ND (2.1)	ND (2.1)	ND (2.1)	ND (2.3)		
COBALT	UG/L	T								13.1	ND (2.1)	ND (2.1)	4.7 J		
COPPER	UG/L	D		1.58E+10	2.68E+05					ND (2.2)	ND (2.2)	ND (2.7)	ND (2.7)		
COPPER	UG/L	T								8 J	ND (2.2)	3.4 J	ND (2.7)		
FERROUS IRON	UG/L	T								19200	14100 J				
IRON	UG/L	D		2.77E+11	2.94E+07					11300	13100	12000	15300		
IRON	UG/L	T								19000	14200	12900	18300		
LEAD	UG/L	D			4.71E+05					0.038 B	ND (0.047)	ND (0.05)	ND (0.052)		
LEAD	UG/L	T								1.2	0.13 J	0.2 J	0.68 J		
MAGNESIUM	UG/L	D								3830	3950				
MAGNESIUM	UG/L	T								4130	3760				
MANGANESE	UG/L	D		5.53E+10	3.38E+07					56.1	53.2	48.6	65.5 B		
MANGANESE	UG/L	T				107000		90000		88.9	55.2	50.1	74.3 B		
MERCURY	UG/L	D		1.19E+08	3.53E+02					ND (0.056)	ND (0.056)				
MERCURY	UG/L	T								ND (0.056)	ND (0.056)				
NICKEL	UG/L	D		1.00E+10	3.59E+06					ND (5.6)	ND (5.6)	ND (1.8)	ND (3)		
NICKEL	UG/L	T								13.5	ND (5.6)	ND (1.8)	3.9 J		
POTASSIUM	UG/L	D								1690	1670				
POTASSIUM	UG/L	T								1550	1510				
SELENIUM	UG/L	D		1.98E+09	1.47E+05					ND (9.4)	ND (9.4)				
SELENIUM	UG/L	T								ND (9.4)	ND (9.4)				
SILVER	UG/L	D		2.21E+09	2.65E+05					ND (1.6)	ND (1.6)				
SILVER	UG/L	T								ND (1.6)	ND (1.6)				
SODIUM	UG/L	D								14300	14200				
SODIUM	UG/L	T								14700	13500				
THALLIUM	UG/L	D		3.95E+06	1.18E+06					ND (0.037)	ND (0.037)				
THALLIUM	UG/L	T				0.85		0.91 J		ND (0.037)	ND (0.037)				
TITANIUM	UG/L	D								ND (2.8)	ND (2.8)				
TITANIUM	UG/L	T								109	6.9 J				
VANADIUM	UG/L	D		2.77E+07	5.88E+05					ND (1.5)	ND (1.5)				
VANADIUM	UG/L	T								14.8	ND (1.5)				
ZINC	UG/L	D		1.33E+11	2.41E+06					ND (8.1)	ND (8.1)	ND (8.1)	ND (8.1)		
ZINC	UG/L	T								12.2 J	ND (8.1)	ND (8.1)	ND (8.1)		
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T								67500	75000				
AMMONIA	UG/L	T		1.34E+13						ND (200)	ND (200)				
CHLORIDE	UG/L	T								14500	12900				
CYANIDE	UG/L	T		8.45E+09	1.53E+05					ND (5)	ND (5)				
FERRIC IRON	UG/L	T								ND (800)	ND (200)				
NITRATE	UG/L	T		6.32E+11						ND (40) UJ	ND (200)				
NITRITE	UG/L	T		3.95E+10						15 J	ND (15) UJ				
PHOSPHORUS	UG/L	T								ND (250)	ND (250)				
SILICA	UG/L	T								29400	30200 J				
SULFATE	UG/L	T								ND (10000)	ND (2500)				
SULFIDE	UG/L	T								97 J	ND (54)				
TOTAL DISSOLVED SOLIDS	UG/L	T													
TOTAL HARDNESS AS CaCO3	UG/L	T													
TOTAL ORGANIC CARBON	UG/L	T								ND (1000)	ND (1000)				
TOTAL SUSPENDED SOLIDS	UG/L	T								177000	28000	19200	66000		
COLOR QUALITATIVE (FIELD)	NS	T				NS		Clear	Clear	Clear	clr	NS	NS		
DEPTH TO WATER FROM TOC	Feet	T													
DISSOLVED OXYGEN (FIELD)	UG/L	T				-2500		710	710	300	40	100			
ODOR (FIELD)	NS	T				NS		None	No	yes	NS	NS			
OVABZONE	PPM	T				NS			NR		NS	NS			
OVACASING	PPM	T				NS			NR		NS	NS			
REDOX (FIELD)	MV	T													
TOTAL WELL DEPTH	Feet	T				NS					NS	NS			
TURBIDITY QUANTITATIVE (FIELD)	NTU	T													
HPCDFS	UG/L	T								ND (0.00000143) U	ND (0.00000494) U				
TOTAL HPCDDS	UG/L	T													

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D	MW-21D	MW-21D
			Human Health			Date	5/25/07	8/22/07	5/26/10	8/18/10	5/24/07	5/24/07	8/23/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0		
Duplicate	FS	FS	FS	DUP	FS	DUP	FS	DUP	FS	DUP			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05		ND (2)	ND (2)		ND (0.8)	ND (0.8)	ND (0.8)	
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06		ND (2)	ND (2)		ND (1)	ND (1)	ND (1)	
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05		ND (2)	ND (2)		ND (0.8)	ND (0.8)	ND (0.8)	
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04	8	26			ND (1)	ND (1)	ND (1)	
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05	1 J	4 J			ND (1)	ND (1)	ND (1)	
ACETONE	UG/L	T		4.08E+11	4.41E+07	130	120			ND (6)	ND (6)	ND (6)	
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07	32	54			ND (0.5)	ND (0.5)	ND (0.5)	
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04	ND (2)	ND (2)			ND (1)	ND (1)	1 J	
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04	2 J	8 J			ND (0.8)	ND (0.8)	ND (0.8)	
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04	ND (2)	6 J			3 J	4 J	1 J	
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05	ND (2)	ND (2)			ND (0.8)	ND (0.8)	ND (0.8)	
ETHYL CHLORIDE	UG/L	T				8 J	7 J			ND (1)	ND (1)	ND (1)	
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06	610	590			ND (0.8)	ND (0.8)	ND (0.8)	
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06	14	6 J			ND (1)	ND (1)	ND (1)	
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08	30	34			ND (3)	ND (3)	ND (3)	
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06	ND (4)	7 B			ND (2)	ND (2)	ND (2)	
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06	2 J	ND (2)			ND (0.8)	ND (0.8)	ND (0.8)	
TOLUENE	UG/L	T		3.52E+09	5.88E+04	1100	1600			ND (0.7)	ND (0.7)	ND (0.7)	
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05	ND (2)	ND (2)			ND (0.8)	ND (0.8)	ND (0.8)	
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05	ND (2)	ND (2)			ND (1)	ND (1)	ND (1)	
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07	ND (2)	ND (2)			ND (1)	ND (1)	ND (1)	
XYLENES	UG/L	T		5.98E+09	3.82E+05	3600	3600			ND (0.8)	ND (0.8)	ND (0.8)	
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07	10 J	8 J			ND (3)	ND (3)	ND (3)	
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05	61	40			ND (1)	ND (1)	ND (1)	
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09		ND (1) R	2 J			ND (1)	ND (1)	ND (1)	
ACENAPHTHENE	UG/L	T		1.01E+09		ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05	ND (2)	ND (2)			ND (2)	ND (2)	ND (2)	
CARBAZOLE	UG/L	T		5.29E+08		ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
CHRYSENE	UG/L	T	9.83E+01		1.18E+02	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05	ND (2)	ND (2)			ND (2)	ND (2)	ND (2)	
FLUORENE	UG/L	T		5.29E+08	8.82E+04	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04	160	110			ND (1)	ND (1)	ND (1)	
PHENANTHRENE	UG/L	T			1.18E+04	ND (1)	ND (1)			ND (1)	ND (1)	ND (1)	
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.0000217	ND (0.00000451) U	0.0000263 B	ND (0.00000102)	ND (0.00000132) U	ND (0.00000191) U		
1,2,3,4,6,7,8-HPCDF	UG/L	T				0.00000392 EMPC J	ND (0.00000116) U	0.0000173 B	ND (0.000000561)	ND (0.000000478) U	ND (0.000000518) U		
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.0000061) U	ND (0.00000215) U	ND (0.000002855088)	ND (0.000000917)	ND (0.0000008) U	ND (0.000000872) U		
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000378) U	ND (0.00000203) U	ND (0.000001647477)	ND (0.000000779)	ND (0.00000158) U	ND (0.000000967) U		
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.000000562) U	ND (0.000000822) U	ND (0.000001636012)	ND (0.000000533)	ND (0.00000019) U	ND (0.000000612) U		
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000375) U	ND (0.0000023) U	ND (0.000001508999)	ND (0.00000079)	ND (0.00000152) U	ND (0.000000963) U		
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000538) U	ND (0.000000827) U	ND (0.000001596388)	ND (0.000000501)	ND (0.000000179) UJ	ND (0.000000551) UJ		
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000423) U	ND (0.00000198) U	ND (0.000001730189)	ND (0.000000861)	ND (0.00000169) U	ND (0.00000108) U		
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.00000116) U	ND (0.00000135) U	ND (0.00000223179)	ND (0.0000008)	ND (0.000000308) U	ND (0.00000103) U		
1,2,3,7,8-PECDF	UG/L	T				ND (0.00000208) U	ND (0.0000016) U	ND (0.000001038329)	ND (0.000000536)	ND (0.0000018) U	ND (0.00000149) U		
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.00000078) U	ND (0.00000113) U	ND (0.000001649053)	ND (0.000000548)	ND (0.000000222) U	ND (0.000000708) U		
2,3,4,7,8-PECDF	UG/L	T				ND (0.00000228) U	ND (0.00000142) U	ND (0.0000009607769)	ND (0.000000538)	ND (0.0000016) U	ND (0.00000136) U		
2,3,7,8-TCDD	UG/L	T				ND (0.000000588) U	ND (0.000000584) U	ND (0.000001149065)	ND (0.000000864)	ND (0.000000541) U	ND (0.000000501) U		
2,3,7,8-TCDF	UG/L	T				ND (0.000000577) U	ND (0.00000108) U	ND (0.0000007789786)	ND (0.000000467)	ND (0.000000422) U	ND (0.000000642) U		
HPCDDs	UG/L	T				0.0000471	ND (0.00000451) U			ND (0.00000132) U	ND (0.00000191) U		
HXCDDs	UG/L	T				ND (0.00000392) U	ND (0.0000021) U			ND (0.0000016) U	ND (0.00000101) U		
HXCDFs	UG/L	T				ND (0.000000717) U	ND (0.000000996) U			ND (0.00000022) U	ND (0.000000706) U		
OCDD	UG/L	T				0.00282	0.0000163 J	0.000769 B	0.00000362 J	0.00000509 J	0.00000492 J		
OCDF	UG/L	T				0.0000466	ND (0.00000565) U	0.0000599 B	ND (0.00000154)	ND (0.00000486) U	ND (0.00000441) U		
TCDDs	UG/L	T				0.00000136 J	0.000000968 U*	ND (0.000001149065)	ND (0.000000864)	0.000000625 U*	0.000000677 U*		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D	MW-21D	MW-21D	
			Human Health				Duplicate	5/25/07	8/22/07	5/26/10	8/18/10	5/24/07	5/24/07	8/23/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
				FS	FS	FS	FS	DUP	FS	DUP				
TCDFS	UG/L	T				ND (0.00000577) U	ND (0.0000108) U	ND (0.000007789786)	ND (0.00000467)	ND (0.00000422) U	ND (0.00000642) U			
TOTAL HPCDD	UG/L	T						0.0000476 B	ND (0.0000102)					
TOTAL HPCDF	UG/L	T						0.0000374 B	ND (0.00000722)					
TOTAL HXCDD	UG/L	T						0.00000448 EMPC	ND (0.00000808)					
TOTAL HXCDF	UG/L	T						0.00000271 B	ND (0.00000583)					
TOTAL PECDD	UG/L	T						ND (0.00001435768)	ND (0.00000885)					
TOTAL PECDDS	UG/L	T				ND (0.0000186) U	ND (0.0000162) U			ND (0.0000106) U	ND (0.00000758) U			
TOTAL PECDF	UG/L	T						ND (0.000009985288)	ND (0.00000537)					
TOTAL PECDFS	UG/L	T				ND (0.00000217) U	ND (0.0000151) U			ND (0.0000017) U	ND (0.0000142) U			
PCB 1	UG/L	D												
PCB 1	UG/L	T				ND (0.00000312) U	0.00000884 EMPCJ	ND (0.0000136)	0.00000922 J	0.0000024 U*	ND (0.0000188) UJ			
PCB 10	UG/L	T				ND (0.00000206) U	ND (0.0000173) U	ND (0.0000373)	ND (0.0000155)	ND (0.0000109) U	ND (0.00000704) UJ			
PCB 103	UG/L	T				ND (0.00000124) U	ND (0.00000123) U	ND (0.00000561)	ND (0.0000023)	ND (0.00000823) U	ND (0.00000116) U			
PCB 105	UG/L	T				0.00000614 J	0.00000226 U*	ND (0.0000048)	ND (0.00000209)	0.00000532 U*	0.00000398 U*			
PCB 109	UG/L	T				ND (0.000001) U	ND (0.000001) U	ND (0.00000433)	ND (0.00000188)	0.00000413 U*	0.00000363 U*			
PCB 11	UG/L	T				0.000202	0.0000568 U*	0.000356	0.000181	0.0000523 U*	0.0000454 U*			
PCB 110	UG/L	T				0.0000244	0.0000112 U*	0.00000888 J	0.00000407 J	0.000015 U*	0.0000106 U*			
PCB 114	UG/L	T				ND (0.0000129) U	ND (0.0000111) U	ND (0.00000479)	ND (0.00000211)	ND (0.00000841) U	ND (0.0000115) U			
PCB 117	UG/L	T				ND (0.0000014) U	ND (0.00000124) U	ND (0.00000495)	ND (0.00000276)	ND (0.00000993) U	ND (0.00000116) U			
PCB 118	UG/L	T				0.0000114	0.00000528 U*	0.00000529 J	0.00000391 J	0.0000103 U*	0.00000741 U*			
PCB 123	UG/L	T				ND (0.0000126) U	ND (0.000012) U	ND (0.00000509)	ND (0.00000224)	ND (0.00000811) U	ND (0.0000114) U			
PCB 130	UG/L	T				ND (0.00000127) U	ND (0.00000129) U	ND (0.00000542)	ND (0.00000271)	0.00000981 U*	0.00000909 U*			
PCB 131	UG/L	T				ND (0.00000103) U	ND (0.00000108) U	ND (0.00000499)	ND (0.00000238)	ND (0.00000535) U	ND (0.00000927) U			
PCB 132	UG/L	T				0.0000107	0.00000256 U*	ND (0.00000486)	ND (0.0000023)	0.00000591 U*	0.00000532 U*			
PCB 133	UG/L	T				ND (0.0000101) U	ND (0.0000104) U	ND (0.00000538)	ND (0.0000026)	0.00000487 U*	0.00000553 U*			
PCB 134	UG/L	T				ND (0.00000145) U	ND (0.00000142) U	ND (0.00000602)	ND (0.00000263)	ND (0.00000681) U	ND (0.00000118) U			
PCB 136	UG/L	T				0.00000516 EMPC J	ND (0.0000088)	ND (0.0000042)	ND (0.00000203)	0.00000123 J	0.00000131 EMPC J			
PCB 137	UG/L	T				ND (0.00000942) U	ND (0.00000929) U	ND (0.00000567)	ND (0.00000247)	ND (0.00000498) U	ND (0.00000862) U			
PCB 141	UG/L	T				0.00000765 EMPC J	ND (0.00000987) U	ND (0.00000446)	ND (0.00000222)	ND (0.0000005) U	ND (0.00000866) U			
PCB 144	UG/L	T				ND (0.0000108) U	ND (0.000011) U	ND (0.00000484)	ND (0.0000023)	ND (0.00000563) U	ND (0.00000975) U			
PCB 146	UG/L	T				0.00000539 J	ND (0.00000103) U	ND (0.00000417)	ND (0.00000205)	0.0000144 U*	0.000013 U*			
PCB 148	UG/L	T				ND (0.0000103) U	ND (0.0000108) U	ND (0.00000542)	ND (0.00000257)	ND (0.00000535) U	ND (0.00000927) U			
PCB 15	UG/L	T				ND (0.00000378) U	ND (0.00000273) U	ND (0.00000374)	0.00000394 J	0.00000593 J	ND (0.00000319) U			
PCB 150	UG/L	T				ND (0.00000766) U	ND (0.00000789) U	ND (0.00000443)	ND (0.00000216)	ND (0.00000382) U	ND (0.0000067) U			
PCB 154	UG/L	T				ND (0.00000953) U	ND (0.00000964) U	ND (0.00000445)	ND (0.00000206)	ND (0.00000494) U	ND (0.00000855) U			
PCB 156	UG/L	T												
PCB 157	UG/L	T												
PCB 158	UG/L	T				ND (0.00000851) U	ND (0.00000824) U	ND (0.00000355)	ND (0.00000177)	0.00000185 J	ND (0.00000765) U			
PCB 159	UG/L	T				ND (0.0000155) U	ND (0.0000113) U	ND (0.00000436)	ND (0.00000188)	ND (0.00000758) U	ND (0.00000939) U			
PCB 16	UG/L	T				0.0000083 J	ND (0.00000283) U	ND (0.00000898)	ND (0.0000026)	0.00000497 J	0.00000586 J			
PCB 160	UG/L	T				ND (0.00000902) U	ND (0.00000906) U	ND (0.00000448)	ND (0.00000222)	0.00000124 EMPC J	ND (0.00000794) U			
PCB 162	UG/L	T				ND (0.00000138) U	ND (0.00000103) U	ND (0.00000496)	ND (0.00000222)	0.00000235 U*	0.00000204 U*			
PCB 164	UG/L	T				ND (0.00000725) U	ND (0.00000724) U	ND (0.00000322)	ND (0.00000171)	0.00000209 J	0.0000022 J			
PCB 167	UG/L	T				ND (0.0000144) U	ND (0.0000107) U	ND (0.00000456)	ND (0.00000221)	0.00000374 J	0.0000028 J			
PCB 169	UG/L	T				ND (0.00000244) U	ND (0.00000142) U	ND (0.00000507)	ND (0.00000239)	0.00000109 J	ND (0.00000107) U			
PCB 17	UG/L	T				0.00000625 J	ND (0.000002) U	ND (0.00000744)	ND (0.00000198)	0.00000464 U*	0.00000472 U*			
PCB 170	UG/L	T				0.0000183	ND (0.00000187) U	ND (0.00000641)	ND (0.00000305)	0.00000151 EMPC J	ND (0.00000122) U			
PCB 172	UG/L	T				ND (0.0000185) U	ND (0.0000165) U	ND (0.00000624)	ND (0.00000292)	ND (0.00000113) U	ND (0.00000118) U			
PCB 174	UG/L	T				0.0000234	ND (0.00000177) U	ND (0.00000596)	ND (0.00000274)	0.00000116 EMPC J	ND (0.00000121) U			
PCB 175	UG/L	T				ND (0.00000192) U	ND (0.0000017) U	ND (0.00000648)	ND (0.00000297)	ND (0.00000118) U	ND (0.00000123) U			
PCB 176	UG/L	T				0.00000138 J	ND (0.00000721) U	ND (0.00000411)	ND (0.00000192)	ND (0.00000053) U	ND (0.00000643) U			
PCB 177	UG/L	T				0.0000127 EMPC	ND (0.00000192) U	ND (0.00000639)	ND (0.00000292)	ND (0.00000128) U	ND (0.00000133) U			
PCB 178	UG/L	T				0.00000223 EMPC J	ND (0.00000109) U	ND (0.00000452)	ND (0.00000223)	ND (0.00000771) U	ND (0.00000936) U			
PCB 179	UG/L	T				0.0000069 J	ND (0.000000918) U	ND (0.0000036)	ND (0.00000167)	ND (0.00000653) U	ND (0.000000793) U			
PCB 183	UG/L	T				0.0000125	ND (0.00000138) U	ND (0.00000549)	ND (0.00000238)	0.000000915 EMPC	ND (0.000001) U			
PCB 185	UG/L	T				ND (0.00000159) U	ND (0.0000014) U	ND (0.00000741)	ND (0.00000342)	ND (0.00000966) U	ND (0.000001) U			
PCB 187	UG/L	T				0.000027	0.00000177 U*	0.0000115	ND (0.00000257)	0.00000166 EMPC J	ND (0.00000116) U			
PCB 189	UG/L	T				ND (0.00000209) U	ND (0.00000145) U	ND (0.00000484)	ND (0.00000223)	ND (0.00000657) U	ND (0.00000913) U			
PCB 19	UG/L	T				ND (0.0000016) U	ND (0.00000224) U	ND (0.00000847)	ND (0.00000223)	0.00000151 EMPC J	ND (0.00000301) U			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D	MW-21D	MW-21D			
			Human Health				Ecological (DF=29,412)	5/25/07	8/22/07	5/26/10	8/18/10	5/24/07	5/24/07	8/23/07		
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	Bottom (ft)	FS	FS	FS	FS	DUP	FS	DUP
								0	0	FS	FS	FS	FS	DUP	FS	DUP
PCB 190	UG/L	T				ND (0.00000185) U	ND (0.00000157) U	ND (0.00000518)	ND (0.00000254)	0.00000172 J	ND (0.00000106) U					
PCB 191	UG/L	T				ND (0.00000164) U	ND (0.00000144) U	ND (0.00000514)	ND (0.00000244)	ND (0.000000997) U	ND (0.00000104) U					
PCB 194	UG/L	T				0.00000201	ND (0.00000193) U	ND (0.00000508)	0.00000384 J	0.00000227 J	ND (0.00000121) U					
PCB 195	UG/L	T				ND (0.00000281) U	ND (0.00000197) U	ND (0.00000509)	ND (0.00000306)	ND (0.000000954) U	ND (0.00000128) U					
PCB 196	UG/L	T				0.00000401 EMPC J	ND (0.00000123) U	ND (0.00000497)	ND (0.00000264)	ND (0.000000732) U	ND (0.00000101) U					
PCB 197	UG/L	T				ND (0.000000846) U	ND (0.000000883) U	ND (0.00000371)	ND (0.00000178)	ND (0.000000531) U	ND (0.000000736) U					
PCB 2	UG/L	T				0.00000377	0.00000206	ND (0.0000146)	0.00000721 J	0.0000044 J	ND (0.0000073) UJ					
PCB 200	UG/L	T				ND (0.00000106) U	ND (0.00000105) U	ND (0.00000472)	ND (0.00000242)	ND (0.000000663) U	ND (0.000000918) U					
PCB 201	UG/L	T				ND (0.000000976) U	ND (0.00000101) U	ND (0.00000429)	ND (0.00000213)	ND (0.000000628) U	ND (0.00000087) U					
PCB 202	UG/L	T				0.00000276 J	ND (0.00000102) U	ND (0.00000505)	ND (0.00000233)	ND (0.000000584) U	ND (0.000000809) U					
PCB 203	UG/L	T				0.000008 EMPC J	ND (0.0000013) U	ND (0.00000471)	ND (0.00000251)	ND (0.000000768) U	ND (0.00000106) U					
PCB 205	UG/L	T				ND (0.00000247) U	ND (0.0000016) U	ND (0.00000457)	ND (0.00000273)	ND (0.000000793) U	ND (0.00000106) U					
PCB 206	UG/L	T				0.00000536	ND (0.00000521) U	ND (0.00000943)	ND (0.00000392)	0.00000267 J	ND (0.00000184) U					
PCB 207	UG/L	T				ND (0.00000298) U	ND (0.0000031) U	ND (0.0000067)	ND (0.00000259)	ND (0.000000751) U	ND (0.00000132) U					
PCB 208	UG/L	T				0.000012	ND (0.00000312) U	ND (0.00000753)	ND (0.00000314)	ND (0.000000791) U	ND (0.00000139) U					
PCB 209	UG/L	T				0.000275	ND (0.00000208) U	0.0000605	ND (0.0000041)	0.00000414 J	ND (0.000000991) U					
PCB 22	UG/L	T				0.00000442 J	ND (0.00000222) U	ND (0.00000516)	ND (0.00000172)	0.00000302 U*	0.00000279 U*					
PCB 23	UG/L	T				ND (0.00000171) U	ND (0.00000216) U	ND (0.00000636)	ND (0.00000208)	0.00000193 J	ND (0.00000137) U					
PCB 25	UG/L	T				ND (0.00000173) U	ND (0.00000206) U	ND (0.00000477)	ND (0.00000154)	0.00000217 J	ND (0.00000137) U					
PCB 27	UG/L	T				ND (0.00000129) U	ND (0.00000172) U	ND (0.00000625)	ND (0.00000161)	ND (0.000000915) U	ND (0.00000235) U					
PCB 3	UG/L	T				0.0000289	0.0000133 EMPC	ND (0.000017)	0.00000933 J	0.00000423 U*	ND (0.00000772) UJ					
PCB 31	UG/L	T				0.0000093 U*	0.00000378 U*	ND (0.00000478)	0.00000404 J	0.00000738 U*	0.00000501 U*					
PCB 32	UG/L	T				0.00000434 J	ND (0.00000141) U	ND (0.0000054)	0.00000272 J	0.00000239 U*	0.00000372 U*					
PCB 34	UG/L	T				ND (0.00000184) U	ND (0.00000225) U	ND (0.0000057)	ND (0.00000184)	ND (0.00000106) U	ND (0.00000146) U					
PCB 35	UG/L	T				ND (0.00000202) U	ND (0.00000236) U	ND (0.00000591)	ND (0.00000185)	0.00000257 J	ND (0.00000152) U					
PCB 37	UG/L	T				0.00000315 J	ND (0.00000241) U	ND (0.000006)	ND (0.00000194)	0.00000367 J	ND (0.00000161) U					
PCB 38	UG/L	T				ND (0.0000017) U	ND (0.00000211) U	ND (0.00000627)	ND (0.00000194)	0.00000112 J	ND (0.00000135) U					
PCB 39	UG/L	T				ND (0.00000171) U	ND (0.00000207) U	ND (0.00000594)	ND (0.00000191)	0.00000131 EMPC J	ND (0.00000134) U					
PCB 4	UG/L	D														
PCB 4	UG/L	T				0.0000134 U*	0.00000644 J	ND (0.000065)	0.00000564 J	0.0000073 U*	ND (0.0000116) UJ					
PCB 41	UG/L	T				ND (0.00000193) U	ND (0.0000015) U	ND (0.00000614)	ND (0.00000221)	ND (0.000000833) U	ND (0.00000129) U					
PCB 42	UG/L	T				ND (0.00000197) U	ND (0.00000165) U	ND (0.00000585)	ND (0.00000215)	0.00000188 J	ND (0.00000137) U					
PCB 43	UG/L	T				ND (0.00000223) U	ND (0.00000191) U	ND (0.00000614)	ND (0.00000296)	ND (0.00000101) U	ND (0.00000156) U					
PCB 45	UG/L	T				ND (0.00000169) U	ND (0.0000014) U	ND (0.00000573)	ND (0.0000017)	0.00000133 J	ND (0.00000114) U					
PCB 46	UG/L	T				ND (0.00000186) U	ND (0.00000153) U	ND (0.00000595)	ND (0.00000225)	ND (0.000000794) U	ND (0.00000123) U					
PCB 48	UG/L	T				ND (0.00000163) U	ND (0.00000127) U	ND (0.00000504)	ND (0.00000185)	0.00000186 J	ND (0.00000107) U					
PCB 5	UG/L	T				ND (0.00000327) U	ND (0.00000231) U	ND (0.0000308)	0.00000231 J	ND (0.00000171) U	ND (0.00000275) U					
PCB 51	UG/L	T				ND (0.00000169) U	ND (0.00000136) U	ND (0.00000533)	0.00000316	0.000000954 EMPC J	ND (0.00000114) U					
PCB 52	UG/L	T				0.0000145 U*	0.000014 U*	0.00000783 B	0.00000558 J	0.0000104 U*	0.0000069 U*					
PCB 54	UG/L	T				ND (0.000000732) U	ND (0.00000088) U	ND (0.0000044)	ND (0.00000173)	ND (0.000000438) U	ND (0.000000964) U					
PCB 56	UG/L	T				0.00000319 EMPC J	ND (0.00000141) U	ND (0.00000503)	ND (0.00000164)	0.00000214 J	0.00000118 EMPC J					
PCB 57	UG/L	T				ND (0.00000153) U	ND (0.00000124) U	ND (0.00000582)	ND (0.00000188)	0.00000107 EMPC J	ND (0.000000982) U					
PCB 6	UG/L	T				ND (0.00000351) U	ND (0.00000249) U	ND (0.0000298)	ND (0.0000142)	0.00000287 J	ND (0.00000302) U					
PCB 60	UG/L	T				0.00000178 EMPC J	ND (0.00000125) U	ND (0.00000505)	ND (0.00000163)	0.00000141 J	ND (0.000000958) U					
PCB 63	UG/L	T				ND (0.0000013) U	ND (0.00000107) U	ND (0.00000549)	ND (0.00000178)	0.000000826 EMPC J	ND (0.000000834) U					
PCB 64	UG/L	T				0.00000405 J	ND (0.000000862) U	ND (0.00000435)	ND (0.00000162)	0.0000025 U*	0.00000178 U*					
PCB 66	UG/L	T				0.00000768 J	ND (0.0000013) U	ND (0.00000491)	0.00000198 J	0.00000523 U*	0.00000267 U*					
PCB 67	UG/L	T				ND (0.00000162) U	ND (0.00000125) U	ND (0.00000478)	ND (0.00000154)	0.00000152 EMPC J	ND (0.000001) U					
PCB 68	UG/L	T				ND (0.0000014) U	ND (0.00000123) U	ND (0.00000543)	0.0000143	ND (0.000000803) U	ND (0.000000979) U					
PCB 7	UG/L	T				ND (0.00000318) U	ND (0.00000223) U	ND (0.0000281)	ND (0.000014)	0.00000152	ND (0.00000266) U					
PCB 72	UG/L	T				ND (0.00000145) U	ND (0.00000124) U	ND (0.00000494)	ND (0.00000161)	ND (0.000000809) U	ND (0.000000987) U					
PCB 77	UG/L	T				ND (0.00000162) U	ND (0.00000163) U	ND (0.00000571)	ND (0.00000217)	0.00000127 J	ND (0.00000111) U					
PCB 8	UG/L	T				0.0000207 U*	0.00000719 U*	ND (0.0000292)	0.00000556 J	0.00000939 U*	0.00000826 U*					
PCB 82	UG/L	T				ND (0.00000189) U	ND (0.00000193) U	ND (0.00000722)	ND (0.00000301)	ND (0.00000128) U	ND (0.00000181) U					
PCB 83	UG/L	T				ND (0.00000167) U	ND (0.00000161) U	ND (0.00000703)	ND (0.00000272)	ND (0.00000119) U	ND (0.00000168) U					
PCB 84	UG/L	T				ND (0.00000156) U	0.00000204 U*	ND (0.00000684)	ND (0.00000282)	0.00000278 U*	ND (0.0000015) U					
PCB 88	UG/L	T				ND (0.00000169) U	ND (0.0000017) U	ND (0.00000761)	ND (0.00000319)	ND (0.00000119) U	0.00000294 J					
PCB 9	UG/L	T				ND (0.00000356) U	ND (0.00000249) U	ND (0.0000289)	ND (0.0000143)	0.00000238 J	ND (0.00000294) U					
PCB 91	UG/L	T				ND (0.00000119) U	ND (0.00000118) U	ND (0.0000068)	ND (0.00000295)	0.00000273 U*	ND (0.00000108) U					

< and ND = Non detect at stated reporting limit



**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D	MW-21D	MW-21D			
			Human Health				Duplicate	5/25/07	8/22/07	5/26/10	8/18/10	5/24/07	5/24/07	8/23/07		
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	Bottom (ft)	FS	FS	FS	FS	DUP	FS	DUP
								0	0	0	0	0	0	0	0	
PCB 92	UG/L	T				ND (0.00000165) U	ND (0.00000166) U	ND (0.00000662)	ND (0.00000277)	0.0000038 J	0.00000257 U*					
PCB 95	UG/L	T				0.0000152	0.0000109 U*	0.000011	ND (0.00000247)	0.0000063 U*	0.00000489 U*					
PCB 96	UG/L	T				ND (0.00000101) U	ND (0.000000847) U	ND (0.00000431)	ND (0.00000193)	ND (0.000000621) U	ND (0.000000921) U					
PCB 99	UG/L	T				0.00000731 U*	0.00000386 U*	ND (0.00000517)	ND (0.00000232)	0.0000061 J	0.00000521 J					
PCB-106/118	UG/L	T														
PCB-107/124	UG/L	T				ND (0.00000123) U	ND (0.00000122) U	ND (0.00000507)	ND (0.00000211)	ND (0.000000818) U	ND (0.00000116) U					
PCB-108/119/86/97/125/87	UG/L	T				0.0000122 J	0.0000071 U*	ND (0.00000582)	ND (0.00000245)	0.0000096 J	0.00000646 J					
PCB-113/90/101	UG/L	T				0.0000155 U*	0.0000106 U*	0.00000879 J	0.00000437 J	0.0000105 U*	0.00000759 U*					
PCB-116/85	UG/L	T				ND (0.0000012) U	ND (0.00000128) U	ND (0.00000693)	ND (0.0000024)	0.00000219 J	ND (0.00000115) U					
PCB-128/166	UG/L	T				0.00000506 J	ND (0.00000122) U	ND (0.00000496)	ND (0.00000222)	0.0000033 U*	0.00000286 U*					
PCB-13/12	UG/L	T				ND (0.00000357) U	0.0000239	ND (0.0000358)	0.00000513 J	0.00000576 J	ND (0.00000287) U					
PCB-139/140	UG/L	T				ND (0.000000974) U	ND (0.000001) U	ND (0.00000527)	ND (0.00000245)	ND (0.000000504) U	ND (0.000000873) U					
PCB-147/149	UG/L	T				0.0000297	0.00000646 U*	0.0000157	ND (0.00000203)	0.0000116 J	0.0000108 J					
PCB-151/135	UG/L	T				0.0000146 J	0.00000383 U*	ND (0.00000478)	ND (0.00000225)	0.00000938 U*	0.00000687 U*					
PCB-153/168	UG/L	T				0.0000327	0.00000579 U*	0.0000174	0.00000296 J	0.000012 U*	0.0000109 U*					
PCB-156/157	UG/L	T				0.0000043 J	ND (0.00000147) U	ND (0.0000057)	ND (0.00000301)	0.0000036 U*	0.00000347 U*					
PCB-163/138/129	UG/L	T				0.0000411	0.00000742 U*	0.0000196	ND (0.00000224)	0.0000152 U*	0.0000124 U*					
PCB-171/173	UG/L	T				ND (0.00000193) U	ND (0.00000175) U	ND (0.00000639)	ND (0.00000296)	ND (0.0000012) U	ND (0.00000124) U					
PCB-180/193	UG/L	D														
PCB-180/193	UG/L	T				0.0000452	0.00000295 U*	0.000021	0.00000484 J	0.00000355 J	0.00000187 J					
PCB-198/199	UG/L	T				0.0000155 EMPC J	ND (0.00000151) U	ND (0.00000541)	ND (0.00000278)	0.00000144 EMPC J	ND (0.00000123) U					
PCB-21/33	UG/L	T				0.00000687 J	0.00000256 U*	ND (0.00000588)	0.00000499 J	0.00000862 U*	0.00000424 U*					
PCB-26/29	UG/L	T				0.00000304 J	ND (0.0000021) U	ND (0.00000522)	ND (0.00000173)	0.00000577 J	ND (0.00000135) U					
PCB-28/20	UG/L	T				0.0000134 U*	0.00000424 J	0.00000593 B	0.00000771 J	0.0000118 U*	0.00000676 U*					
PCB-30/18	UG/L	T				0.0000162 U*	0.00000775 U*	0.0000075 J	0.00000565 J	0.0000105 U*	0.0000123 U*					
PCB-44/47/65	UG/L	T				0.0000131 U*	0.00000617 U*	ND (0.0000052)	0.0000157	0.00000977 U*	0.00000638 U*					
PCB-50/53	UG/L	T				ND (0.00000161) U	ND (0.00000132) U	ND (0.00000553)	ND (0.00000208)	0.00000136 J	ND (0.00000108) U					
PCB-59/62/75	UG/L	T				ND (0.00000126) U	ND (0.000001) U	ND (0.0000045)	ND (0.00000166)	0.00000267 J	ND (0.000000859) U					
PCB-61/70/74/76	UG/L	T				0.000013 J	0.00000621 U*	ND (0.00000503)	0.0000059 J	0.0000174 U*	0.00000698 U*					
PCB-69/49	UG/L	T				0.00000537 J	0.00000403 U*	ND (0.00000494)	0.00000269 J	0.00000413 U*	0.00000277 U*					
PCB-71/40	UG/L	T				0.0000035 EMPC J	ND (0.0000014) U	ND (0.00000496)	ND (0.00000186)	0.00000264 J	0.00000205 J					
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T														
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000236 J	0.0000943 J	0.000356	0.000204	0.0000874 J	0.0000537 U*					
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D														
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00015 EMPC J	0.00000473 U*	0.0000325	0.00000484	0.0000105 EMPC J	0.00000187 J					
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000156 EMPC J	0.000026 U*	0.0000527	0.00000296	0.000104 EMPC J	0.0000886 EMPC J					
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000666	0.0000428 EMPC J	ND (0.0000153)	0.0000258 EMPC	0.000011 J	ND (0.0000133) U					
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000655	ND (0.00000417) U	ND (0.00000848)	ND (0.00000353)	0.00000267 J	ND (0.00000162) U					
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000504 EMPC J	ND (0.00000131) U	ND (0.00000481)	0.00000384	0.00000371 EMPC J	ND (0.000000935) U					
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02											
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000922 J	0.0000533 U*	0.000034 EMPC	0.0000124	0.0000788 EMPC J	0.0000553 EMPC J					
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000661 EMPC J	0.0000305 U*	0.00000783 B	0.0000778	0.0000704 EMPC J	0.0000307 EMPC J					
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000753 EMPC J	0.0000183 J	0.0000134 B	0.0000251	0.0000733 EMPC J	0.0000454 EMPC J					
ALUMINUM	UG/L	D		3.95E+11	2.56E+06	6360	12400	6150	8150	ND (80.2)	ND (80.2)	ND (80.2)				
ALUMINUM	UG/L	T				9100	11200	9590	8110	9210	8640	598 J				
ANTIMONY	UG/L	D		1.58E+08	8.82E+05	ND (9.7)	10.5 J			ND (9.7)	ND (9.7)	ND (9.7)				
ANTIMONY	UG/L	T				ND (9.7)	ND (9.7)			ND (9.7)	ND (9.7)	ND (9.7)				
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06	1 J	0.71 J			ND (0.7)	ND (0.7)	ND (0.7)				
ARSENIC	UG/L	T				1.4 J	ND (7)			ND (0.7)	ND (0.7)	0.7 J				
BARIUM	UG/L	D		7.90E+10	1.18E+05	35.1	30.2	27.3	29.7	32.5	33.3	34.9				
BARIUM	UG/L	T				49.7	33.3	27.2	30.1	43.5	43.3	37				
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04	6.1	9.4	7.3	8.5	ND (0.9)	ND (0.9)	ND (0.9)				
BERYLLIUM	UG/L	T				5.9	9	9.4	8.5	ND (0.9)	ND (0.9)	ND (0.9)				
CADMIUM	UG/L	D		1.98E+08	2.65E+04	3.7 J	ND (0.9)	ND (2)	ND (2)	ND (0.9)	ND (0.9)	ND (0.9)				
CADMIUM	UG/L	T				3.3 J	ND (0.9)	ND (2)	ND (2)	ND (0.9)	ND (0.9)	ND (0.9)				
CALCIUM	UG/L	D				98400	118000			20900	21300	20700				
CALCIUM	UG/L	T				112000	120000			24500	27200	22300				
CHROMIUM	UG/L	D		4.76E+06		17.4	ND (2.3)			ND (2.3)	ND (2.3)	ND (2.3)				
CHROMIUM	UG/L	T				37	9.1 J			25.2	31.1	ND (2.3)				

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-20S	MW-20S	MW-20S	MW-20S	MW-21D	MW-21D	MW-21D
			Human Health				5/25/07	8/22/07	5/26/10	8/18/10	5/24/07	5/24/07	8/23/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)								
							FS	FS	FS	FS	DUP	FS	DUP
COBALT	UG/L	D		1.41E+08	6.76E+05	141	184	111	175	ND (2.1)	ND (2.1)	ND (2.1)	
COBALT	UG/L	T				146	178	183	171	12.8	16.5	ND (2.1)	
COPPER	UG/L	D		1.58E+10	2.68E+05	123000 J	108000	78200	87400	ND (2.2)	ND (2.2)	ND (2.2)	
COPPER	UG/L	T				74800 J	136000	63300	92100	75.3 J	71.5 J	12.7 B	
FERROUS IRON	UG/L	T				124000	37 J			5200 J	6500 J	2400 J	
IRON	UG/L	D		2.77E+11	2.94E+07	168000	146000	118000	136000	2470	2450	2500	
IRON	UG/L	T				125000	159000	130000	138000	19900	18500	3620	
LEAD	UG/L	D			4.71E+05	35.6	48.6	40.2	54.3	0.057 J	0.052 J	0.07 B	
LEAD	UG/L	T				27.8	77.3	49.8	55.2	2.3	2.5	0.42 J	
MAGNESIUM	UG/L	D				17600	30000			4530	4650	4540	
MAGNESIUM	UG/L	T				19100	29100			5640	5360	4740	
MANGANESE	UG/L	D		5.53E+10	3.38E+07	4610	6000	3390	5320	27.5	27.8	28	
MANGANESE	UG/L	T				4440	6190	4920	5190	60.3	61.9	34.4	
MERCURY	UG/L	D		1.19E+08	3.53E+02	ND (0.056)	0.082 J			ND (0.056)	ND (0.056)	0.11 J	
MERCURY	UG/L	T				ND (0.056)	ND (0.056)			ND (0.056)	ND (0.056)	ND (0.056)	
NICKEL	UG/L	D		1.00E+10	3.59E+06	226	214	176	190	ND (5.6)	ND (5.6)	ND (5.6)	
NICKEL	UG/L	T				209	229	202	190	13.8	19.4	ND (5.6)	
POTASSIUM	UG/L	D				43900	52600			2940	3120	3270	
POTASSIUM	UG/L	T				40900	57600			3140	3680	4630	
SELENIUM	UG/L	D		1.98E+09	1.47E+05	ND (9.4)	ND (9.4)			ND (9.4)	ND (9.4)	ND (9.4)	
SELENIUM	UG/L	T				ND (9.4)	ND (9.4)			ND (9.4)	ND (9.4)	10.5 J	
SILVER	UG/L	D		2.21E+09	2.65E+05	ND (1.6)	ND (1.6)			ND (1.6)	ND (1.6)	ND (1.6)	
SILVER	UG/L	T				ND (1.6)	ND (1.6)			ND (1.6)	ND (1.6)	ND (1.6)	
SODIUM	UG/L	D				82900	147000			16100	16500	16100	
SODIUM	UG/L	T				80200	152000			17100	19400	17900	
THALLIUM	UG/L	D		3.95E+06	1.18E+06	0.31 J	0.46 J			ND (0.037)	ND (0.037)	ND (0.037)	
THALLIUM	UG/L	T				0.33 J	0.57 J			ND (0.037)	ND (0.037)	ND (0.037)	
TITANIUM	UG/L	D				ND (2.8) UJ	ND (2.8)			ND (2.8)	ND (2.8)	ND (2.8)	
TITANIUM	UG/L	T				288 J	3.9 J			260 J	285 J	21.5	
VANADIUM	UG/L	D		2.77E+07	5.88E+05	126	166			ND (1.5)	ND (1.5)	ND (1.5)	
VANADIUM	UG/L	T				152	187			53.7	51.1	5.7	
ZINC	UG/L	D		1.33E+11	2.41E+06	665	774	588	483	ND (8.1)	ND (8.1)	ND (8.1)	
ZINC	UG/L	T				720	774	651	484	17.6 J	20.3	ND (8.1)	
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				ND (460)	ND (460)			83300 J	85500	90300	
AMMONIA	UG/L	T		1.34E+13		2900 J	3000			430 B	ND (2000)	430 J	
CHLORIDE	UG/L	T				483000	715000			18800 J	20800 J	17500	
CYANIDE	UG/L	T		8.45E+09	1.53E+05	ND (5) UJ	ND (5)			ND (5)	ND (5)	ND (5)	
FERRIC IRON	UG/L	T				ND (1600)	159000			14700	12000	1200 J	
NITRATE	UG/L	T		6.32E+11		ND (40) UJ	ND (40)			ND (40) UJ	64 J	ND (40)	
NITRITE	UG/L	T		3.95E+10		45 J	64 J			60 J	95 J	ND (15)	
PHOSPHORUS	UG/L	T				ND (250)	ND (250)			ND (250)	ND (250)	ND (250)	
SILICA	UG/L	T				35400	36100 J			20700	19500	19100 J	
SULFATE	UG/L	T				287000	358000			13500 J	12600 J	8900	
SULFIDE	UG/L	T				ND (54) UJ	ND (54)			190 J	65 J	ND (54)	
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T				703000 J	852000						
TOTAL ORGANIC CARBON	UG/L	T				11500	13700			ND (1000)	ND (1000)	1100 J	
TOTAL SUSPENDED SOLIDS	UG/L	T				113000	18800	96000	4400 J	328000	215000	88000	
COLOR QUALITATIVE (FIELD)	NS	T				Clear	clr	NS	NS		Brown		
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				4800	290	110	-50		680		
ODOR (FIELD)	NS	T				No	yes	NS	NS		No		
OVABZONE	PPM	T				NR		NS	NS		NR		
OVACASING	PPM	T				NR		NS	NS		NR		
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T						NS	NS				
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				0.00000392 EMPC J	ND (0.00000156) U			ND (0.00000062) U	ND (0.000000673) U		
TOTAL HPCDDS	UG/L	T											

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-21D	MW-21D	MW-21D	MW-21-D	MW-21S	MW-21S	MW-21S				
			Human Health				8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07				
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0				
							FS	FS	FS	FS	DUP	FS	DUP				
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05							28	19 J	26			
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06							19	13	19			
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05							19	13	19			
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04							ND (1)	ND (1)	ND (1)			
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05							ND (1)	ND (1)	ND (1)			
ACETONE	UG/L	T		4.08E+11	4.41E+07							ND (6)	ND (6)	ND (6)			
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07							ND (0.5)	ND (0.5)	ND (0.5)			
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04							1 J	ND (1)	ND (1)			
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04							ND (0.8)	ND (0.8)	ND (0.8)			
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04							1 J	ND (0.8)	ND (0.8)			
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05							ND (0.8)	37	31 J	38		
ETHYL CHLORIDE	UG/L	T										ND (1)	ND (1)	ND (1)			
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06							ND (0.8)	ND (0.8)	ND (0.8)			
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06							ND (1)	ND (1)	ND (1)			
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08							ND (3)	ND (3)	ND (3)			
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06							ND (2)	ND (2)	ND (2)			
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06							ND (0.8)	24	19	25		
TOLUENE	UG/L	T		3.52E+09	5.88E+04							ND (0.7)	ND (0.7)	ND (0.7)			
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05							ND (0.8)	ND (0.8)	ND (0.8)			
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05							58	38 J	53			
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07							5	4 J	4 J			
XYLENES	UG/L	T		5.98E+09	3.82E+05							ND (0.8)	ND (0.8)	ND (0.8)			
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07							ND (3) R	ND (3) R	ND (3) R			
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05							ND (1)	ND (1)	ND (1)			
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09								ND (1) R	ND (1) R	ND (1) R			
ACENAPHTHENE	UG/L	T		1.01E+09								ND (1)	ND (1)	ND (1)			
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02							ND (1)	ND (1)	ND (1)			
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02							ND (1)	ND (1)	ND (1)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05							ND (2)	ND (2)	ND (2)			
CARBAZOLE	UG/L	T		5.29E+08								ND (1)	ND (1)	ND (1)			
CHRYSENE	UG/L	T	9.83E+01		1.18E+02							ND (1)	ND (1)	ND (1)			
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05							ND (1)	ND (1)	ND (1)			
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05							ND (2)	ND (2)	ND (2)			
FLUORENE	UG/L	T		5.29E+08	8.82E+04							ND (1)	ND (1)	ND (1)			
HEXACHLOROETHANE	UG/L	T			8.82E+00							ND (1)	ND (1)	ND (1)			
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04							ND (1)	ND (1)	ND (1)			
PHENANTHRENE	UG/L	T			1.18E+04							ND (1)	ND (1)	ND (1)			
1,2,3,4,6,7,8-HPCDD	UG/L	T										ND (0.00000774) U		ND (0.0000101)	ND (0.00001367378)	0.00000469 J	0.00000496 EMPC J
1,2,3,4,6,7,8-HPCDF	UG/L	T										ND (0.00000749) U		ND (0.00000686)	ND (0.00007439862)	ND (0.00000617) U	ND (0.0000137) U
1,2,3,4,7,8,9-HPCDF	UG/L	T										ND (0.00000126) U		ND (0.00000885)	ND (0.00001028481)	ND (0.00000975) U	ND (0.00000228) U
1,2,3,4,7,8-HXCDD	UG/L	T										ND (0.0000011) U		ND (0.00000905)	ND (0.00007989141)	ND (0.00000107) U	ND (0.00000153) U
1,2,3,4,7,8-HXCDF	UG/L	T										ND (0.0000004) U		ND (0.00000592)	ND (0.000005516333)	ND (0.00000205) U	ND (0.00000337) U
1,2,3,6,7,8-HXCDD	UG/L	T										ND (0.00000113) U		ND (0.00000998)	ND (0.00007558222)	ND (0.00000106) U	ND (0.00000151) U
1,2,3,6,7,8-HXCDF	UG/L	T										ND (0.0000004) U		ND (0.00000523)	ND (0.000005227224)	ND (0.00000187) U	ND (0.00000325) U
1,2,3,7,8,9-HXCDD	UG/L	T										ND (0.00000112) U		ND (0.00000103)	ND (0.000008552671)	ND (0.00000119) U	ND (0.00000162) U
1,2,3,7,8,9-HXCDF	UG/L	T										ND (0.000000581) U		ND (0.00000691)	ND (0.00007791327)	ND (0.00000034) U	ND (0.00000564) U
1,2,3,7,8-PCDF	UG/L	T										ND (0.00000187) U		ND (0.00000667)	ND (0.000004497405)	ND (0.00000127) U	ND (0.00000158) U
2,3,4,6,7,8-HXCDF	UG/L	T										ND (0.000000455) U		ND (0.00000556)	ND (0.000005916312)	ND (0.00000237) U	ND (0.00000399) U
2,3,4,7,8-PCDF	UG/L	T										ND (0.00000162) U		ND (0.00000675)	ND (0.000004172735)	ND (0.0000011) U	ND (0.00000132) U
2,3,7,8-TCDD	UG/L	T										ND (0.00000157) U		ND (0.00000111)	ND (0.000006749176)	ND (0.000000616) U	ND (0.00000103) U
2,3,7,8-TCDF	UG/L	T										ND (0.00000155) U		ND (0.00000851)	ND (0.000003808213)	ND (0.00000068) U	ND (0.000000797) U
HPCDDs	UG/L	T										ND (0.00000774) U				0.0000115 J	0.0000129 EMPC J
HXCDDs	UG/L	T										ND (0.00000112) U				ND (0.00000111) U	ND (0.00000155) U
HXCDFs	UG/L	T										ND (0.000000452) U				ND (0.00000235) U	ND (0.00000397) U
OCDD	UG/L	T										ND (0.00000317) U		0.00000324 J	0.000107	0.000289 J	0.000416 J
OCDF	UG/L	T										ND (0.00000302) U		ND (0.00000152)	ND (0.00001907332)	0.00000948 J	0.0000118 J
TCDDs	UG/L	T										ND (0.00000157) U		ND (0.00000111)	ND (0.000006749176)	0.00000284 J	0.00000486 EMPC

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-21D	MW-21D	MW-21D	MW-21-D	MW-21S	MW-21S	MW-21S		
			Human Health				Duplicate	8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.00000155) U			ND (0.00000851)	ND (0.000003808213)	ND (0.00000068) U	ND (0.000000797) U			
TOTAL HPCDD	UG/L	T							ND (0.00000101)	ND (0.00001367378)					
TOTAL HPCDF	UG/L	T							ND (0.000000775)	ND (0.000008693069)					
TOTAL HXCDD	UG/L	T							ND (0.000000975)	ND (0.000007993332)					
TOTAL HXCDF	UG/L	T							ND (0.000000586)	ND (0.000005984953)					
TOTAL PECDD	UG/L	T							ND (0.00000107)	ND (0.00000601802)					
TOTAL PECDDS	UG/L	T				ND (0.00000431) U				ND (0.00000756) U	ND (0.00000945) U				
TOTAL PECDF	UG/L	T							ND (0.000000671)	ND (0.000004321448)					
TOTAL PECDFS	UG/L	T				ND (0.00000174) U				ND (0.00000118) U	ND (0.00000144) U				
PCB 1	UG/L	D													
PCB 1	UG/L	T				ND (0.00000102) U			ND (0.000000949)	0.00000393 J	0.0000526	0.0000579			
PCB 10	UG/L	T				ND (0.00000343) U			ND (0.00000542)	ND (0.00000863)	ND (0.00000263) U	ND (0.00000487) U			
PCB 103	UG/L	T				ND (0.00000129) U			ND (0.00000189)	ND (0.00000144)	ND (0.00000151) U	ND (0.00000187) U			
PCB 105	UG/L	T				ND (0.00000132) U			0.000003 J	ND (0.00000136)	ND (0.00000138) U	ND (0.00000193) U			
PCB 109	UG/L	T				ND (0.00000112) U			ND (0.00000166)	ND (0.00000112)	ND (0.00000121) U	ND (0.00000151) U			
PCB 11	UG/L	T				0.0000276 U*			0.0000216 J	0.0000277 B	0.0000616 U*	0.0000433 U*			
PCB 110	UG/L	T				0.00000651 J			0.00000817 J	0.0000027 J	0.0000207 B	0.0000224 B			
PCB 114	UG/L	T				ND (0.00000131) U			ND (0.00000185)	ND (0.00000132)	ND (0.0000015) U	ND (0.00000184) U			
PCB 117	UG/L	T				ND (0.00000144) U			ND (0.00000177)	ND (0.00000125)	ND (0.00000169) U	ND (0.0000021) U			
PCB 118	UG/L	T				0.00000312 U*			0.00000715 J	0.00000328 J	0.0000105 B	0.0000112 B			
PCB 123	UG/L	T				ND (0.00000137) U			ND (0.00000205)	ND (0.00000141)	ND (0.00000153) U	ND (0.00000188) U			
PCB 130	UG/L	T				ND (0.00000186) U			ND (0.000002)	ND (0.00000173)	ND (0.00000207) U	ND (0.00000166) U			
PCB 131	UG/L	T				ND (0.00000151) U			ND (0.00000167)	ND (0.00000151)	ND (0.00000168) U	ND (0.00000134) U			
PCB 132	UG/L	T				ND (0.00000151) U			ND (0.00000165)	ND (0.0000015)	0.00000614 J	0.00000445 EMPC J			
PCB 133	UG/L	T				ND (0.0000015) U			ND (0.00000184)	ND (0.00000166)	ND (0.00000164) U	ND (0.00000132) U			
PCB 134	UG/L	T				ND (0.00000205) U			ND (0.0000021)	ND (0.00000178)	ND (0.00000237) U	ND (0.0000019) U			
PCB 136	UG/L	T				ND (0.00000115) U			ND (0.00000141)	ND (0.00000126)	0.00000332 EMPC J	0.00000433 J			
PCB 137	UG/L	T				ND (0.00000137) U			ND (0.00000192)	ND (0.00000171)	ND (0.00000154) U	ND (0.00000123) U			
PCB 141	UG/L	T				ND (0.00000145) U			ND (0.00000158)	ND (0.00000141)	ND (0.00000157) U	ND (0.00000126) U			
PCB 144	UG/L	T				ND (0.00000154) U			ND (0.00000161)	ND (0.00000155)	ND (0.00000177) U	ND (0.00000142) U			
PCB 146	UG/L	T				ND (0.00000151) U			ND (0.00000143)	ND (0.00000131)	ND (0.00000169) U	ND (0.00000136) U			
PCB 148	UG/L	T				ND (0.00000149) U			ND (0.00000184)	ND (0.00000177)	ND (0.00000168) U	ND (0.00000134) U			
PCB 15	UG/L	T				ND (0.00000301) U			0.00000289 J	ND (0.00000904)	0.00000745 J	0.00000729 J			
PCB 150	UG/L	T				ND (0.00000103) U			ND (0.00000148)	ND (0.00000132)	ND (0.00000119) U	ND (0.00000111) U			
PCB 154	UG/L	T				ND (0.00000135) U			ND (0.00000145)	ND (0.00000138)	ND (0.00000155) U	ND (0.00000125) U			
PCB 156	UG/L	T													
PCB 157	UG/L	T													
PCB 158	UG/L	T				ND (0.00000119) U			ND (0.00000126)	ND (0.00000104)	ND (0.00000139) U	ND (0.00000111) U			
PCB 159	UG/L	T				ND (0.00000166) U			ND (0.00000192)	ND (0.00000143)	ND (0.00000186) U	ND (0.00000173) U			
PCB 16	UG/L	T				ND (0.00000261) U			ND (0.00000209)	ND (0.00000337)	0.0000192	0.0000209			
PCB 160	UG/L	T				ND (0.0000013) U			ND (0.00000168)	ND (0.00000133)	ND (0.00000147) U	ND (0.00000118) U			
PCB 162	UG/L	T				ND (0.00000155) U			ND (0.00000218)	ND (0.00000165)	ND (0.00000166) U	ND (0.00000154) U			
PCB 164	UG/L	T				ND (0.00000107) U			ND (0.00000117)	ND (0.00000102)	ND (0.00000118) U	ND (0.000000949) U			
PCB 167	UG/L	T				ND (0.00000161) U			ND (0.00000225)	ND (0.00000164)	ND (0.00000174) U	ND (0.00000161) U			
PCB 169	UG/L	T				ND (0.00000177) U			ND (0.00000244)	ND (0.00000143)	ND (0.00000202) U	ND (0.00000226) U			
PCB 17	UG/L	T				ND (0.00000186) U			ND (0.00000173)	ND (0.00000275)	0.0000128 U*	0.0000158 B			
PCB 170	UG/L	T				ND (0.00000128) U			ND (0.00000247)	ND (0.00000188)	0.00000314 EMPC J	0.00000571 J			
PCB 172	UG/L	T				ND (0.00000134) U			ND (0.00000243)	ND (0.00000204)	ND (0.00000201) U	ND (0.00000213) U			
PCB 174	UG/L	T				ND (0.00000146) U			ND (0.00000229)	ND (0.00000202)	0.00000586 J	0.00000608 EMPC J			
PCB 175	UG/L	T				ND (0.00000137) U			ND (0.0000025)	ND (0.0000022)	ND (0.00000208) U	ND (0.00000221) U			
PCB 176	UG/L	T				ND (0.000000915) U			ND (0.00000146)	ND (0.00000127)	ND (0.000000904) U	ND (0.000000891) U			
PCB 177	UG/L	T				ND (0.00000156) U			ND (0.00000249)	ND (0.00000207)	0.00000369 J	ND (0.0000024) U			
PCB 178	UG/L	T				ND (0.00000139) U			ND (0.00000174)	ND (0.00000145)	ND (0.00000131) U	ND (0.00000129) U			
PCB 179	UG/L	T				ND (0.00000115) U			ND (0.00000129)	ND (0.00000114)	ND (0.00000111) U	0.00000296 J			
PCB 183	UG/L	T				ND (0.00000112) U			ND (0.00000208)	ND (0.00000175)	0.00000306 J	0.00000283 EMPC J			
PCB 185	UG/L	T				ND (0.00000115) U			ND (0.00000275)	ND (0.00000246)	ND (0.00000173) U	ND (0.00000183) U			
PCB 187	UG/L	T				ND (0.00000136) U			ND (0.0000022)	ND (0.00000186)	0.00000654 J	0.00000763 EMPC J			
PCB 189	UG/L	T				ND (0.00000157) U			ND (0.00000163)	ND (0.00000115)	ND (0.00000145) U	ND (0.00000173) U			
PCB 19	UG/L	T				ND (0.0000021) U			ND (0.00000205)	ND (0.00000349)	0.0000077 J	0.00000797 EMPC J			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria			Location Date	MW-21D	MW-21D	MW-21D	MW-21-D	MW-21S	MW-21S	MW-21S	
			Human Health				Ecological (DF=29,412)	8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0
PCB 190	UG/L	T				ND (0.00000108) U		ND (0.00000201)	ND (0.00000145)	ND (0.00000184) U	ND (0.000002) U			
PCB 191	UG/L	T				ND (0.00000116) U		ND (0.00000208)	ND (0.00000163)	ND (0.00000178) U	ND (0.00000189) U			
PCB 194	UG/L	T				ND (0.00000162) U		ND (0.00000303)	ND (0.00000138)	0.0000035 J	0.0000043 EMPC J			
PCB 195	UG/L	T				ND (0.00000174) U		ND (0.00000309)	ND (0.00000155)	ND (0.00000182) U	ND (0.00000202) U			
PCB 196	UG/L	T				ND (0.00000152) U		ND (0.00000213)	ND (0.0000016)	ND (0.00000193) U	ND (0.00000162) U			
PCB 197	UG/L	T				ND (0.00000112) U		ND (0.00000145)	ND (0.00000124)	ND (0.00000136) U	ND (0.00000114) U			
PCB 2	UG/L	T				ND (0.0000012) U		ND (0.00000102)	0.00000726 J	0.0000444 J	ND (0.00000245) UJ			
PCB 200	UG/L	T				ND (0.00000136) U		ND (0.00000183)	ND (0.00000139)	ND (0.00000171) U	ND (0.00000144) U			
PCB 201	UG/L	T				ND (0.00000129) U		ND (0.00000168)	ND (0.00000136)	ND (0.00000157) U	ND (0.00000132) U			
PCB 202	UG/L	T				ND (0.00000129) U		ND (0.00000188)	ND (0.00000163)	0.00000191 EMPC J	0.00000266 J			
PCB 203	UG/L	T				ND (0.00000162) U		ND (0.00000202)	ND (0.0000015)	0.00000337 EMPC J	ND (0.00000173) U			
PCB 205	UG/L	T				ND (0.00000131) U		ND (0.00000284)	ND (0.0000013)	ND (0.0000016) U	ND (0.00000178) U			
PCB 206	UG/L	T				ND (0.00000409) U		ND (0.00000348)	ND (0.00000411)	0.0000386 J	0.0000632 J			
PCB 207	UG/L	T				ND (0.00000275) U		ND (0.00000216)	ND (0.00000291)	ND (0.00000249) U	0.00000545 J			
PCB 208	UG/L	T				ND (0.00000289) U		ND (0.00000255)	ND (0.00000359)	0.0000174	0.0000248			
PCB 209	UG/L	T				ND (0.00000156) U		ND (0.00000401)	0.00000679 J	0.0000885 J	0.000134 J			
PCB 22	UG/L	T				ND (0.00000228) U		0.00000161 J	ND (0.00000201)	0.00000957 U*	0.0000101 U*			
PCB 23	UG/L	T				ND (0.00000223) U		ND (0.00000164)	ND (0.00000248)	ND (0.0000017) U	ND (0.00000228) U			
PCB 25	UG/L	T				ND (0.0000021) U		ND (0.00000123)	ND (0.00000183)	ND (0.00000172) U	ND (0.00000231) U			
PCB 27	UG/L	T				ND (0.00000157) U		ND (0.00000145)	ND (0.00000217)	ND (0.00000155) U	ND (0.00000222) U			
PCB 3	UG/L	T				ND (0.00000114) U		ND (0.00000119)	0.0000104	0.0000148 EMPC	ND (0.00000238) UJ			
PCB 31	UG/L	T				ND (0.00000188) U		0.0000045 J	0.00000347 J	0.0000207 U*	0.0000233 U*			
PCB 32	UG/L	T				ND (0.00000129) U		0.00000257 J	0.00000287 J	0.0000088	0.00000974			
PCB 34	UG/L	T				ND (0.00000231) U		ND (0.0000015)	ND (0.00000221)	ND (0.00000183) U	ND (0.00000245) U			
PCB 35	UG/L	T				ND (0.00000244) U		ND (0.00000167)	ND (0.00000229)	ND (0.000002) U	ND (0.00000269) U			
PCB 37	UG/L	T				ND (0.00000237) U		ND (0.00000176)	ND (0.00000244)	0.00000661 J	0.0000061 EMPC J			
PCB 38	UG/L	T				ND (0.00000219) U		ND (0.00000166)	ND (0.00000239)	ND (0.00000169) U	ND (0.00000227) U			
PCB 39	UG/L	T				ND (0.00000208) U		ND (0.0000016)	ND (0.00000232)	ND (0.0000017) U	ND (0.00000228) U			
PCB 4	UG/L	D												
PCB 4	UG/L	T				ND (0.00000619) U		ND (0.00000901)	ND (0.00000157)	0.0000287 U*	0.000035			
PCB 41	UG/L	T				ND (0.00000128) U		ND (0.00000209)	ND (0.00000197)	ND (0.00000193) U	ND (0.00000235) U			
PCB 42	UG/L	T				ND (0.00000133) U		ND (0.00000218)	ND (0.0000019)	ND (0.00000197) U	ND (0.00000241) U			
PCB 43	UG/L	T				ND (0.00000148) U		ND (0.00000226)	ND (0.00000198)	ND (0.00000223) U	ND (0.00000272) U			
PCB 45	UG/L	T				ND (0.00000113) U		ND (0.00000216)	ND (0.00000178)	0.00000373 EMPC J	ND (0.00000206) U			
PCB 46	UG/L	T				ND (0.00000123) U		ND (0.00000219)	ND (0.00000186)	ND (0.00000186) U	ND (0.00000227) U			
PCB 48	UG/L	T				ND (0.00000104) U		ND (0.00000186)	ND (0.00000157)	ND (0.00000162) U	ND (0.00000198) U			
PCB 5	UG/L	T				ND (0.0000028) U		ND (0.00000522)	ND (0.00000792)	ND (0.00000373) U	ND (0.00000529) U			
PCB 51	UG/L	T				ND (0.00000111) U		ND (0.00000193)	ND (0.00000162)	ND (0.00000168) U	ND (0.00000206) U			
PCB 52	UG/L	T				0.00000795 U*		0.00000883 J	0.00000508 J	0.0000294 U*	0.0000316 U*			
PCB 54	UG/L	T				ND (0.000000773) U		ND (0.00000181)	ND (0.00000148)	ND (0.00000118) U	ND (0.00000112) U			
PCB 56	UG/L	T				ND (0.00000157) U		ND (0.00000116)	ND (0.00000144)	0.00000556 J	0.00000613 J			
PCB 57	UG/L	T				ND (0.00000136) U		ND (0.0000013)	ND (0.00000164)	ND (0.00000163) U	ND (0.00000182) U			
PCB 6	UG/L	T				ND (0.00000293) U		ND (0.00000505)	ND (0.00000782)	0.00000613 J	0.00000614 J			
PCB 60	UG/L	T				ND (0.00000138) U		ND (0.00000113)	ND (0.00000143)	ND (0.00000161) U	0.00000327 J			
PCB 63	UG/L	T				ND (0.00000117) U		ND (0.00000123)	ND (0.00000159)	ND (0.00000139) U	ND (0.00000156) U			
PCB 64	UG/L	T				ND (0.000000712) U		0.00000195 J	ND (0.00000135)	0.00000583 EMPC J	0.00000713 J			
PCB 66	UG/L	T				ND (0.00000151) U		0.00000278 J	ND (0.00000138)	0.000011	0.0000134			
PCB 67	UG/L	T				ND (0.00000139) U		ND (0.00000107)	ND (0.00000135)	ND (0.00000173) U	ND (0.00000194) U			
PCB 68	UG/L	T				ND (0.00000135) U		0.00000146 J	ND (0.00000163)	ND (0.0000015) U	ND (0.00000167) U			
PCB 7	UG/L	T				ND (0.00000258) U		ND (0.00000489)	ND (0.00000752)	ND (0.00000362) U	ND (0.00000514) U			
PCB 72	UG/L	T				ND (0.00000135) U		ND (0.00000111)	ND (0.00000139)	ND (0.00000155) U	ND (0.00000173) U			
PCB 77	UG/L	T				ND (0.00000159) U		ND (0.00000153)	ND (0.00000169)	ND (0.0000019) U	ND (0.00000191) U			
PCB 8	UG/L	T				ND (0.00000292) U		0.00000461 J	0.00000402 J	0.0000193 U*	0.0000208 U*			
PCB 82	UG/L	T				ND (0.00000213) U		ND (0.00000261)	ND (0.0000019)	ND (0.00000228) U	ND (0.00000284) U			
PCB 83	UG/L	T				ND (0.00000184) U		ND (0.00000271)	ND (0.00000187)	ND (0.00000201) U	ND (0.0000025) U			
PCB 84	UG/L	T				0.00000267 U*		ND (0.00000236)	ND (0.00000178)	0.0000045 J	ND (0.00000234) U			
PCB 88	UG/L	T				ND (0.00000202) U		ND (0.00000266)	ND (0.00000229)	ND (0.00000205) U	ND (0.00000254) U			
PCB 9	UG/L	T				ND (0.00000292) U		ND (0.00000503)	ND (0.0000076)	ND (0.00000406) U	ND (0.00000576) U			
PCB 91	UG/L	T				ND (0.0000012) U		ND (0.00000239)	ND (0.00000161)	ND (0.00000144) U	ND (0.00000179) U			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-21D	MW-21D	MW-21D	MW-21-D	MW-21S	MW-21S	MW-21S	
			Human Health				Duplicate	8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
				FS	FS	FS	FS	DUP	FS	DUP				
PCB 92	UG/L	T				ND (0.00000182) U		ND (0.00000235)	ND (0.00000176)	0.00000509 J	ND (0.00000247) U			
PCB 95	UG/L	T				0.00000615 U*		0.00000768 J	0.00000373 J	0.0000163 U*	0.0000194			
PCB 96	UG/L	T				ND (0.000000973) U		ND (0.00000185)	ND (0.00000126)	ND (0.00000139) U	ND (0.00000129) U			
PCB 99	UG/L	T				0.00000232 U*		0.00000424 J	ND (0.00000139)	0.00000942 U*	0.00000972 U*			
PCB-106/118	UG/L	T												
PCB-107/124	UG/L	T				ND (0.00000136) U		ND (0.00000183)	ND (0.00000128)	ND (0.00000149) U	ND (0.00000185) U			
PCB-108/119/86/97/125/87	UG/L	T				0.00000504 U*		0.00000833 J	ND (0.0000015)	0.0000127 J	0.00000994 EMPC J			
PCB-113/90/101	UG/L	T				0.00000659 U*		0.0000101	0.00000404 J	0.0000183 U*	0.0000225 U*			
PCB-116/85	UG/L	T				ND (0.00000139) U		ND (0.0000024)	ND (0.00000183)	ND (0.00000145) U	ND (0.0000018) U			
PCB-128/166	UG/L	T				ND (0.00000176) U		ND (0.00000218)	ND (0.00000167)	ND (0.00000188) U	ND (0.00000175) U			
PCB-13/12	UG/L	T				ND (0.00000288) U		ND (0.00000606)	ND (0.00000895)	ND (0.00000406) U	ND (0.00000576) U			
PCB-139/140	UG/L	T				ND (0.00000142) U		ND (0.00000178)	ND (0.00000165)	ND (0.00000159) U	ND (0.00000127) U			
PCB-147/149	UG/L	T				0.0000041 U*		0.00000436 J	ND (0.00000137)	0.000015 J	0.0000157 J			
PCB-151/135	UG/L	T				ND (0.00000149) U		ND (0.0000016)	ND (0.00000152)	0.00000699 J	0.00000836 J			
PCB-153/168	UG/L	T				0.00000445 U*		0.00000418 J	ND (0.00000119)	0.000017 J	0.0000179 EMPC			
PCB-156/157	UG/L	T				ND (0.00000209) U		ND (0.00000309)	ND (0.00000198)	ND (0.00000218) U	ND (0.00000215) U			
PCB-163/138/129	UG/L	T				0.00000345 U*		0.0000059 J	ND (0.00000137)	0.0000181 U*	0.0000184 U*			
PCB-171/173	UG/L	T				ND (0.00000144) U		ND (0.00000255)	ND (0.00000208)	ND (0.00000209) U	ND (0.00000222) U			
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T				ND (0.00000111) U		ND (0.00000202)	ND (0.00000161)	0.00000966 J	0.0000126 J			
PCB-198/199	UG/L	T				ND (0.00000188) U		ND (0.00000228)	ND (0.00000168)	0.00000692 EMPC J	0.00000932 EMPC J			
PCB-21/33	UG/L	T				ND (0.00000196) U		0.00000348 J	ND (0.00000232)	0.0000125 U*	0.0000151 J			
PCB-26/29	UG/L	T				ND (0.00000211) U		ND (0.0000014)	ND (0.00000203)	0.00000424 J	0.00000527 EMPC J			
PCB-28/20	UG/L	T				ND (0.00000222) U		0.00000729 J	0.00000598 B	0.0000243 U*	0.0000293 U*			
PCB-30/18	UG/L	T				0.00000244 U*		0.00000504 J	0.0000073 J	0.0000372 U*	0.0000411			
PCB-44/47/65	UG/L	T				0.00000421 U*		0.0000109	0.00000547 J	0.0000254 J	0.0000265 B			
PCB-50/53	UG/L	T				ND (0.00000105) U		ND (0.000002)	ND (0.00000172)	0.00000387 EMPC J	ND (0.00000196) U			
PCB-59/62/75	UG/L	T				ND (0.00000082) U		ND (0.00000164)	ND (0.00000135)	ND (0.00000126) U	ND (0.00000154) U			
PCB-61/70/74/76	UG/L	T				0.0000047 U*		0.0000087 J	0.0000037 J	0.0000202 EMPC J	0.0000257 J			
PCB-69/49	UG/L	T				0.00000175 J		0.00000262 J	0.00000206 J	0.0000129 J	0.0000148 J			
PCB-71/40	UG/L	T				ND (0.00000111) U		ND (0.00000193)	ND (0.00000154)	0.00000743 J	0.00000935 J			
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T												
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000276 U*		0.0000291	0.0000317 B	0.000123 J	0.000113 J			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000132) U		ND (0.00000197)	ND (0.00000167)	0.000032 EMPC J	0.0000378 EMPC J			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000012 U*		0.0000144	ND (0.00000159)	0.0000665 EMPC J	0.0000691 EMPC J			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000108) U		ND (0.00000107)	0.0000216 EMPC	0.000112 EMPC J	0.0000579			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000349) U		ND (0.00000302)	ND (0.00000385)	0.000056 J	0.0000934 J			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000013) U		ND (0.00000236)	ND (0.00000146)	0.0000157 EMPC J	0.0000163 EMPC J			
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02									
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000324 J		0.0000487 EMPC	0.0000138	0.0000975 J	0.0000952 EMPC J			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000186 J		0.0000373 EMPC	0.0000163	0.000125 EMPC J	0.000138 J			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000244 U*		0.0000245	0.0000196 B	0.000164 J	0.000185 EMPC J			
ALUMINUM	UG/L	D		3.95E+11	2.56E+06	ND (80.2)	ND (80.2)	ND (83.4)		422	240	260		
ALUMINUM	UG/L	T				676 J	1160	93.7 J		298 J	1980 J	483		
ANTIMONY	UG/L	D		1.58E+08	8.82E+05	ND (9.7)				ND (9.7)	ND (9.7)	ND (9.7)		
ANTIMONY	UG/L	T				ND (9.7)				ND (9.7)	ND (9.7)	ND (9.7)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06	ND (0.7)				ND (3.5)	ND (3.5)	1.2 J		
ARSENIC	UG/L	T				ND (0.7)				1.3 J	3.4 J	1.3 J		
BARIUM	UG/L	D		7.90E+10	1.18E+05	35.3	40.8	43.6		21	22.2	27.4		
BARIUM	UG/L	T				37.1	43.9	43.1		21.4	29.9	25.8		
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04	ND (0.9)	ND (1.4)	ND (1.4)		ND (0.9)	ND (0.9)	ND (0.9)		
BERYLLIUM	UG/L	T				ND (0.9)	1.5 J	ND (1.4)		ND (0.9)	ND (0.9)	ND (0.9)		
CADMIUM	UG/L	D		1.98E+08	2.65E+04	ND (0.9)	ND (2)	ND (2)		1.2 J	1.9 J	ND (0.9)		
CADMIUM	UG/L	T				ND (0.9)	ND (2)	ND (2)		ND (0.9)	ND (0.9)	ND (0.9)		
CALCIUM	UG/L	D				20500				55900	54700	55000		
CALCIUM	UG/L	T				21700				49700	58000	54300		
CHROMIUM	UG/L	D		4.76E+06		ND (2.3)				4.5 B	ND (2.3)	ND (2.3)		
CHROMIUM	UG/L	T				ND (2.3)				3.9 B	11.7 B	2.9 J		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-21D	MW-21D	MW-21D	MW-21-D	MW-21S	MW-21S	MW-21S
			Human Health				8/23/07	5/27/10	8/17/10	5/27/10	5/24/07	5/24/07	8/23/07
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	DUP	FS	DUP
COBALT	UG/L	D		1.41E+08	6.76E+05		ND (2.1)	ND (2.1)	ND (2.3)		152	145	158
COBALT	UG/L	T					ND (2.1)	2.9 J	ND (2.3)		139	136	167
COPPER	UG/L	D		1.58E+10	2.68E+05		ND (2.2)	ND (2.7)	ND (2.7)		ND (2.2)	2.7 J	ND (2.2)
COPPER	UG/L	T					9.6 B	9.1 J	ND (2.7)		ND (2.2)	6.2 J	5.7 B
FERROUS IRON	UG/L	T					2700				63200 J	70400 J	53200 J
IRON	UG/L	D		2.77E+11	2.94E+07		2520	2810	1760		57300	56700	53500
IRON	UG/L	T					4270	5920	2160		54100	70100	53600
LEAD	UG/L	D			4.71E+05		0.089 B	0.058 J	ND (0.052)		0.32 J	0.18 J	0.66 J
LEAD	UG/L	T					0.63 J	0.54 J	0.12 J		0.43 J	6.9 J	0.83 J
MAGNESIUM	UG/L	D					4530				42800	44000	44000
MAGNESIUM	UG/L	T					4850				39100	44400	43600
MANGANESE	UG/L	D		5.53E+10	3.38E+07		28	26.9	29.6		9510	9380	9370
MANGANESE	UG/L	T					34.4	33.9	24.5		9520	10500	9650
MERCURY	UG/L	D		1.19E+08	3.53E+02		ND (0.056)				ND (0.056)	ND (0.056)	ND (0.056) UJ
MERCURY	UG/L	T					ND (0.056)				ND (0.056)	ND (0.056)	ND (0.056)
NICKEL	UG/L	D		1.00E+10	3.59E+06		ND (5.6)	3.6 J	ND (3)		48.8	41.9	47.8
NICKEL	UG/L	T					ND (5.6)	6.4 J	3.5 J		44.5	43	52
POTASSIUM	UG/L	D					3270				57800	60000	62900
POTASSIUM	UG/L	T					3640				56500	63600	61400
SELENIUM	UG/L	D		1.98E+09	1.47E+05		ND (9.4)				ND (9.4)	ND (9.4)	ND (9.4)
SELENIUM	UG/L	T					ND (9.4)				ND (9.4)	ND (9.4)	ND (9.4)
SILVER	UG/L	D		2.21E+09	2.65E+05		ND (1.6)				ND (1.6)	ND (1.6)	ND (1.6)
SILVER	UG/L	T					ND (1.6)				1.6 J	ND (1.6)	ND (1.6)
SODIUM	UG/L	D					16100				180000	186000	182000
SODIUM	UG/L	T					17300				173000	189000	188000
THALLIUM	UG/L	D		3.95E+06	1.18E+06		ND (0.037)				0.14 J	0.14 J	0.18 J
THALLIUM	UG/L	T					ND (0.037)				0.16 J	0.23 J	0.18 J
TITANIUM	UG/L	D					ND (2.8)				ND (2.8)	ND (2.8)	ND (2.8)
TITANIUM	UG/L	T					28.8				ND (2.8)	89.8	5.9 J
VANADIUM	UG/L	D		2.77E+07	5.88E+05		ND (1.5)				ND (1.5)	ND (1.5)	ND (1.5)
VANADIUM	UG/L	T					5.6				ND (1.5)	10.3	2.5 J
ZINC	UG/L	D		1.33E+11	2.41E+06		ND (8.1)	ND (8.1)	ND (8.1)		99.3	86.4	102
ZINC	UG/L	T					ND (8.1)	ND (8.1)	ND (8.1)		87.9	96.7	109
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T					88600				40500 J	50900 J	48100
AMMONIA	UG/L	T		1.34E+13			430 J				2300	2700	2000
CHLORIDE	UG/L	T					14400				281000	284000	301000
CYANIDE	UG/L	T		8.45E+09	1.53E+05		ND (5)				ND (5) UJ	ND (5) UJ	ND (5)
FERRIC IRON	UG/L	T					1600 J				ND (1600)	ND (1600)	ND (800)
NITRATE	UG/L	T		6.32E+11			ND (40)				ND (40)	ND (40)	ND (40)
NITRITE	UG/L	T		3.95E+10			ND (15)				78 J	78 J	47 J
PHOSPHORUS	UG/L	T					ND (250)				ND (250)	ND (250)	ND (250)
SILICA	UG/L	T					20700 J				34500 J	34100 J	37600 J
SULFATE	UG/L	T					6900				404000	459000	407000
SULFIDE	UG/L	T					ND (54)				ND (54)	ND (54)	ND (54)
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T									371000 J	390000 J	370000
TOTAL ORGANIC CARBON	UG/L	T					1100 J				2800	3300	3500
TOTAL SUSPENDED SOLIDS	UG/L	T					33200	52400	8800 J		14800	34000	19600
COLOR QUALITATIVE (FIELD)	NS	T					cloudy	NS	NS			Clear	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T					290	0	50			2170	
ODOR (FIELD)	NS	T					yes	NS	NS			No	
OVABZONE	PPM	T						NS	NS			NR	
OVACASING	PPM	T						NS	NS			NR	
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T						NS	NS				
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T					ND (0.000000978) U				ND (0.000000775) U	ND (0.00000177) U	
TOTAL HPCDDS	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-21S	MW-21S	MW-21S	MW-21-S	MW-22D	MW-22D	MW-22D
			Human Health				8/23/07	5/27/10	8/17/10	5/27/10	5/22/07	8/23/07	5/26/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS							
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05	27				ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06	19				ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05	18	14	9		ND (0.8)	ND (0.8)		
1,2-DICHLOROBENZENE	UG/L	T		2.83E+09	2.06E+04	ND (1)				ND (1)	ND (1)		
1,4-DICHLOROBENZENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05	ND (1)				ND (1)	ND (1)		
ACETONE	UG/L	T		4.08E+11	4.41E+07	ND (6)				ND (6)	ND (6)		
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07	ND (0.5)				ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04	ND (1)				ND (1)	1 J		
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04	ND (0.8)				ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04	ND (0.8)				1 J	1 J		
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05	37				ND (0.8)	ND (0.8)		
ETHYL CHLORIDE	UG/L	T				ND (1)				ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06	ND (0.8)				ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06	ND (1)				ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08	ND (3)				ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06	ND (2)				34	43		
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06	24				ND (0.8)	ND (0.8)		
TOLUENE	UG/L	T		3.52E+09	5.88E+04	ND (0.7)				ND (0.7)	0.8 J		
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05	ND (0.8)				ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05	54				ND (1)	ND (1)		
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07	5				ND (1)	ND (1)		
XYLENES	UG/L	T		5.98E+09	3.82E+05	ND (0.8)				ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07	ND (3) R				ND (3)	ND (3) R		
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05	ND (1)				5	4 J		
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09		ND (1) R				ND (1)	ND (1) R		
ACENAPHTHENE	UG/L	T		1.01E+09		ND (1)				6	3 J		
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02	ND (1)				ND (1)	ND (1)		
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02	ND (1)				ND (1)	ND (1)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05	ND (2)				ND (2)	ND (2)		
CARBAZOLE	UG/L	T		5.29E+08		ND (1)				1 J	1 J		
CHRYSENE	UG/L	T	9.83E+01		1.18E+02	ND (1)				ND (1)	ND (1)		
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05	ND (1)				3 J	2 J		
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05	ND (2)				ND (2)	ND (2)		
FLUORENE	UG/L	T		5.29E+08	8.82E+04	ND (1)				2 J	1 J		
HEXACHLOROBENZENE	UG/L	T			8.82E+00	ND (1)				ND (1)	ND (1)		
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04	ND (1)				23	17		
PHENANTHRENE	UG/L	T			1.18E+04	ND (1)				2 J	1 J		
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.00000337) U		ND (0.00000071)	ND (0.000005474161)	ND (0.00000441) U	ND (0.00000143) U	0.00000947 B	
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.000000533) U		ND (0.000000518)	ND (0.0000032382)	ND (0.00000194) U	ND (0.00000084) U	0.00000301 B	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.000000933) U		ND (0.000000665)	ND (0.000004461708)	ND (0.00000341) U	ND (0.00000123) U	ND (0.000002297142)	
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.00000127) U		ND (0.000000601)	ND (0.00000348743)	ND (0.00000241) U	ND (0.000000919) U	ND (0.000001316031)	
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.000000345) U		ND (0.000000441)	ND (0.000002299067)	ND (0.000001) U	ND (0.000000334) U	ND (0.000001112004)	
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.00000013) U		ND (0.000000645)	ND (0.000003383057)	ND (0.00000224) U	ND (0.00000097) U	ND (0.000001251043)	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000373) U		ND (0.000000408)	ND (0.000002232585)	ND (0.000000961) UJ	ND (0.000000341) U	ND (0.000001068106)	
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.00000125) U		0.000000781 B	ND (0.000003825461)	ND (0.00000254) U	ND (0.00000095) U	ND (0.000001525029)	
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.000000622) U		ND (0.000000517)	ND (0.00000316627)	ND (0.00000177) U	ND (0.000000438) U	ND (0.000001544651)	
1,2,3,7,8-PECDF	UG/L	T				ND (0.000000985) U		ND (0.000000051)	ND (0.000001894728)	ND (0.00000243) U	ND (0.00000134) U	ND (0.0000008706521)	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000461) U		ND (0.000000432)	ND (0.000002373524)	ND (0.00000119) U	ND (0.000000352) U	ND (0.000001258944)	
2,3,4,7,8-PECDF	UG/L	T				ND (0.000000796) U		ND (0.000000482)	ND (0.000001836383)	ND (0.00000214) U	ND (0.00000112) U	ND (0.0000008177721)	
2,3,7,8-TCDD	UG/L	T				ND (0.000000345) U		ND (0.000000683)	ND (0.000003808204)	ND (0.000000764) U	ND (0.000000697) U	ND (0.0000009315275)	
2,3,7,8-TCDF	UG/L	T				ND (0.000000442) U		ND (0.00000064)	ND (0.000001877092)	ND (0.00000146) U	ND (0.000000954) U	ND (0.0000005809219)	
HPCDDs	UG/L	T				0.00000312 J				ND (0.00000441) U	ND (0.00000143) U		
HXCDDs	UG/L	T				ND (0.00000127) U				ND (0.00000239) U	ND (0.000000946) U		
HXCDFs	UG/L	T				ND (0.000000435) U				ND (0.0000012) U	ND (0.000000363) U		
OCDD	UG/L	T				0.0000457		0.00000557 J	0.0000236 B	0.0000118 J	0.00000615 J	0.000126 B	
OCDF	UG/L	T				ND (0.00000317) U		ND (0.00000116)	ND (0.00000737816)	ND (0.0000084) U	ND (0.00000236) U	0.0000251 B	
TCDDs	UG/L	T				0.00000625 EMPC		0.000000533 EMPC	0.00000548 EMPC	ND (0.000000764) U	ND (0.000000697) U	ND (0.0000009315275)	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-21S	MW-21S	MW-21S	MW-21-S	MW-22D	MW-22D	MW-22D	
			Human Health				Ecological (DF=29,412)	8/23/07	5/27/10	8/17/10	5/27/10	5/22/07	8/23/07	5/26/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0
TCDFS	UG/L	T				ND (0.00000442) U		ND (0.0000064)	ND (0.00001877092)	ND (0.0000146) U	ND (0.00000954) U	ND (0.000005809219)		
TOTAL HPCDD	UG/L	T						ND (0.0000071)	ND (0.000005474161)			0.0000167 B		
TOTAL HPCDF	UG/L	T						ND (0.00000584)	ND (0.00000379073)			0.00000835 B		
TOTAL HXCDD	UG/L	T						0.000000781 B	ND (0.000003547881)			ND (0.000001357544)		
TOTAL HXCDF	UG/L	T						ND (0.000000447)	ND (0.000002474543)			ND (0.000001228378)		
TOTAL PECDD	UG/L	T						ND (0.000000671)	ND (0.000003483972)			ND (0.000001176121)		
TOTAL PECDDS	UG/L	T				ND (0.00000115) U				ND (0.00000144) U	ND (0.00000232) U			
TOTAL PECDF	UG/L	T						ND (0.000000496)	ND (0.000001864753)			ND (0.0000008446908)		
TOTAL PECDFS	UG/L	T				ND (0.000000886) U				ND (0.00000228) U	ND (0.00000123) U			
PCB 1	UG/L	D												
PCB 1	UG/L	T				0.0000375		0.0000339	0.0000678	0.000106	0.000087	0.000135		
PCB 10	UG/L	T				ND (0.00000171) U		ND (0.0000053)	ND (0.0000135)	ND (0.00000263) U	ND (0.0000032) U	ND (0.0000365)		
PCB 103	UG/L	T				ND (0.00000116) U		ND (0.00000201)	ND (0.00000207)	ND (0.0000015) U	ND (0.0000012) U	ND (0.00000717)		
PCB 105	UG/L	T				ND (0.00000116) U		ND (0.00000218)	ND (0.00000188)	0.00000578 U*	0.0000015 U*	0.0000146 EMPC		
PCB 109	UG/L	T				ND (0.000000943) U		ND (0.00000177)	ND (0.00000161)	0.00000394 U*	ND (0.00000104) U	ND (0.00000553)		
PCB 11	UG/L	T				0.0000132 U*		0.0000244 J	0.0000287 B	0.000094 U*	0.0000457 U*	0.0000282 B		
PCB 110	UG/L	T				0.0000134 U*		0.00000474 J	0.00000643 J	0.0000172 U*	0.00000569 J	0.0000365 EMPC		
PCB 114	UG/L	T				ND (0.00000115) U		ND (0.00000208)	ND (0.00000184)	ND (0.0000016) U	ND (0.00000125) U	ND (0.00000564)		
PCB 117	UG/L	T				ND (0.00000117) U		ND (0.00000189)	ND (0.0000018)	ND (0.00000181) U	ND (0.00000135) U	ND (0.00000632)		
PCB 118	UG/L	T				0.0000073 U*		0.00000448 J	0.00000383 J	0.0000103 U*	0.00000319 U*	0.0000331		
PCB 123	UG/L	T				ND (0.00000113) U		ND (0.00000218)	ND (0.00000203)	ND (0.00000148) U	ND (0.00000128) U	ND (0.0000065)		
PCB 130	UG/L	T				ND (0.00000111) U		ND (0.00000224)	ND (0.00000231)	0.00000874 U*	ND (0.00000195) U	ND (0.0000074)		
PCB 131	UG/L	T				ND (0.000000928) U		ND (0.00000186)	ND (0.00000202)	ND (0.00000138) U	ND (0.00000158) U	ND (0.00000681)		
PCB 132	UG/L	T				0.00000385 U*		ND (0.00000184)	ND (0.000002)	0.00000732 U*	ND (0.00000158) U	0.0000112		
PCB 133	UG/L	T				ND (0.000000893) U		ND (0.00000205)	ND (0.00000223)	0.00000586 U*	ND (0.00000157) U	ND (0.00000735)		
PCB 134	UG/L	T				ND (0.00000122) U		ND (0.00000234)	ND (0.00000238)	ND (0.00000176) U	ND (0.00000215) U	ND (0.00000822)		
PCB 136	UG/L	T				0.00000311 U*		ND (0.00000174)	ND (0.00000171)	ND (0.00000112) U	ND (0.00000128) U	0.00000569 J		
PCB 137	UG/L	T				ND (0.0000008) U		ND (0.00000214)	ND (0.00000229)	ND (0.00000128) U	ND (0.00000144) U	ND (0.00000775)		
PCB 141	UG/L	T				ND (0.00000085) U		ND (0.00000176)	ND (0.00000189)	ND (0.00000129) U	ND (0.00000151) U	ND (0.0000061)		
PCB 144	UG/L	T				ND (0.000000948) U		ND (0.0000018)	ND (0.00000208)	ND (0.00000145) U	ND (0.00000162) U	ND (0.00000661)		
PCB 146	UG/L	T				ND (0.000000889) U		ND (0.00000159)	ND (0.00000175)	0.0000144 U*	ND (0.00000158) U	ND (0.00000569)		
PCB 148	UG/L	T				ND (0.00000093) U		ND (0.00000205)	ND (0.00000236)	ND (0.00000138) U	ND (0.00000156) U	ND (0.0000074)		
PCB 15	UG/L	T				ND (0.0000028) U		0.00000453 J	ND (0.00000135)	0.00000757 J	ND (0.00000316) U	ND (0.00000518)		
PCB 150	UG/L	T				ND (0.000000735) U		ND (0.00000183)	ND (0.00000179)	ND (0.000000992) U	ND (0.00000114) U	ND (0.00000551)		
PCB 154	UG/L	T				ND (0.00000083) U		ND (0.00000162)	ND (0.00000185)	ND (0.00000127) U	ND (0.00000142) U	ND (0.00000607)		
PCB 156	UG/L	T												
PCB 157	UG/L	T												
PCB 158	UG/L	T				ND (0.000000709) U		ND (0.00000141)	ND (0.0000014)	ND (0.00000114) U	ND (0.00000125) U	ND (0.00000485)		
PCB 159	UG/L	T				ND (0.00000116) U		ND (0.00000211)	ND (0.0000017)	ND (0.00000149) U	ND (0.00000123) U	ND (0.00000608)		
PCB 16	UG/L	T				0.0000105		0.00000745 J	0.0000112	0.00000688 J	0.00000421 EMPCJ	ND (0.00000861)		
PCB 160	UG/L	T				ND (0.00000078) U		ND (0.00000187)	ND (0.00000178)	ND (0.00000118) U	ND (0.00000136) U	ND (0.00000612)		
PCB 162	UG/L	T				ND (0.00000105) U		ND (0.00000241)	ND (0.00000197)	0.00000233 U*	ND (0.00000115) U	ND (0.00000691)		
PCB 164	UG/L	T				ND (0.000000623) U		ND (0.00000131)	ND (0.00000136)	0.00000218 U*	ND (0.00000112) U	ND (0.0000044)		
PCB 167	UG/L	T				ND (0.0000011) U		ND (0.00000248)	ND (0.00000195)	0.0000035 J	ND (0.00000119) U	ND (0.00000635)		
PCB 169	UG/L	T				ND (0.00000132) U		ND (0.0000033)	ND (0.00000185)	ND (0.00000173) U	ND (0.00000122) U	ND (0.0000068)		
PCB 17	UG/L	T				0.000007 J		0.00000575 J	0.00000831 J	0.00000504 U*	0.00000315 J	ND (0.00000713)		
PCB 170	UG/L	T				ND (0.00000148) U		ND (0.00000264)	ND (0.00000268)	ND (0.00000193) U	ND (0.00000142) U	ND (0.00000796)		
PCB 172	UG/L	T				ND (0.00000143) U		ND (0.0000024)	ND (0.00000272)	ND (0.00000185) U	ND (0.00000147) U	ND (0.00000757)		
PCB 174	UG/L	T				0.00000248 U*		ND (0.00000226)	ND (0.00000269)	ND (0.00000191) U	ND (0.0000016) U	ND (0.00000724)		
PCB 175	UG/L	T				ND (0.00000148) U		ND (0.00000247)	ND (0.00000293)	ND (0.00000193) U	ND (0.0000015) U	ND (0.00000786)		
PCB 176	UG/L	T				ND (0.000000741) U		ND (0.000002)	ND (0.00000206)	ND (0.000000985) U	ND (0.000000941) U	ND (0.00000555)		
PCB 177	UG/L	T				ND (0.00000167) U		ND (0.00000246)	ND (0.00000276)	ND (0.0000021) U	ND (0.00000172) U	ND (0.00000776)		
PCB 178	UG/L	T				ND (0.00000112) U		ND (0.00000237)	ND (0.00000235)	ND (0.00000143) U	ND (0.00000143) U	ND (0.00000611)		
PCB 179	UG/L	T				ND (0.000000943) U		ND (0.00000177)	ND (0.00000185)	ND (0.00000121) U	ND (0.00000119) U	ND (0.00000487)		
PCB 183	UG/L	T				ND (0.00000119) U		ND (0.00000205)	ND (0.00000232)	ND (0.00000158) U	ND (0.00000123) U	ND (0.00000666)		
PCB 185	UG/L	T				ND (0.00000122) U		ND (0.00000271)	ND (0.00000328)	ND (0.00000158) U	ND (0.00000126) U	ND (0.00000899)		
PCB 187	UG/L	T				0.00000315 J		ND (0.00000217)	ND (0.00000248)	0.00000353 J	ND (0.00000149) U	ND (0.0000068)		
PCB 189	UG/L	T				ND (0.000000885) U		ND (0.00000239)	ND (0.00000166)	ND (0.00000171) U	ND (0.00000154) U	ND (0.00000552)		
PCB 19	UG/L	T				0.00000506 J		0.00000486 J	0.00000742 J	0.00000286 EMPC J	ND (0.00000228) U	ND (0.00000813)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-21S	MW-21S	MW-21S	MW-21-S	MW-22D	MW-22D	MW-22D	
			Human Health				Duplicate	8/23/07	5/27/10	8/17/10	5/27/10	5/22/07	8/23/07	5/26/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
PCB 190	UG/L	T				ND (0.00000124) U		ND (0.00000215)	ND (0.00000205)	ND (0.00000169) U	ND (0.00000119) U	ND (0.00000643)		
PCB 191	UG/L	T				ND (0.00000125) U		ND (0.00000205)	ND (0.00000217)	ND (0.00000163) U	ND (0.00000127) U	ND (0.00000624)		
PCB 194	UG/L	T				ND (0.00000119) U		ND (0.00000298)	ND (0.00000227)	0.00000219 J	ND (0.00000149) U	ND (0.0000072)		
PCB 195	UG/L	T				ND (0.00000122) U		ND (0.00000304)	ND (0.00000254)	ND (0.00000162) U	ND (0.0000016) U	ND (0.00000721)		
PCB 196	UG/L	T				ND (0.00000112) U		ND (0.00000248)	ND (0.00000184)	ND (0.00000134) U	ND (0.00000139) U	ND (0.00000581)		
PCB 197	UG/L	T				ND (0.000000808) U		ND (0.00000169)	ND (0.00000143)	ND (0.000000976) U	ND (0.00000103) U	ND (0.00000434)		
PCB 2	UG/L	T				0.0000242		0.0000182	0.0000389	0.0000117	0.00000619 J	0.0000071 J		
PCB 200	UG/L	T				ND (0.000000958) U		ND (0.00000213)	ND (0.00000161)	ND (0.00000122) U	ND (0.00000125) U	ND (0.00000552)		
PCB 201	UG/L	T				ND (0.000000926) U		ND (0.00000196)	ND (0.00000157)	ND (0.00000115) U	ND (0.00000118) U	ND (0.00000502)		
PCB 202	UG/L	T				ND (0.000000933) U		ND (0.00000219)	ND (0.00000188)	ND (0.00000107) U	ND (0.00000118) U	ND (0.00000591)		
PCB 203	UG/L	T				ND (0.00000119) U		ND (0.00000236)	ND (0.00000173)	ND (0.00000141) U	ND (0.00000148) U	ND (0.00000552)		
PCB 205	UG/L	T				ND (0.000000993) U		ND (0.00000279)	ND (0.00000212)	ND (0.00000135) U	ND (0.0000012) U	ND (0.00000647)		
PCB 206	UG/L	T				0.0000077 EMPCJ		ND (0.00000415)	ND (0.00000814)	ND (0.00000238) U	ND (0.00000335) U	ND (0.0000134)		
PCB 207	UG/L	T				ND (0.00000209) U		ND (0.00000253)	ND (0.00000529)	ND (0.00000178) U	ND (0.00000242) U	ND (0.00000918)		
PCB 208	UG/L	T				0.00000472 J		ND (0.00000299)	ND (0.00000654)	ND (0.00000187) U	ND (0.00000254) U	ND (0.0000103)		
PCB 209	UG/L	T				0.0000165		ND (0.00000377)	0.00000473 J	0.0000106	ND (0.00000152) U	ND (0.0000082)		
PCB 22	UG/L	T				0.00000393 J		0.00000346 J	0.00000503 J	0.00000502 U*	0.00000216 J	ND (0.00000772)		
PCB 23	UG/L	T				ND (0.00000122) U		ND (0.00000164)	ND (0.00000355)	ND (0.00000175) U	ND (0.00000225) U	ND (0.00000952)		
PCB 25	UG/L	T				ND (0.00000117) U		ND (0.00000123)	ND (0.00000262)	ND (0.00000176) U	ND (0.00000213) U	ND (0.00000713)		
PCB 27	UG/L	T				ND (0.0000013) U		ND (0.00000177)	ND (0.0000036)	ND (0.00000162) U	ND (0.00000171) U	ND (0.000006)		
PCB 3	UG/L	T				0.00000663 J		0.00000946 J	0.0000123 EMPC	0.0000246	0.0000166	0.0000202		
PCB 31	UG/L	T				0.00000917 U*		0.00000906 J	0.00000953 J	0.0000096 U*	0.00000409 U*	ND (0.00000716)		
PCB 32	UG/L	T				0.00000446 J		0.00000575 J	0.00000837 J	0.00000461 U*	0.0000028 EMPCJ	ND (0.00000518)		
PCB 34	UG/L	T				ND (0.00000127) U		ND (0.0000015)	ND (0.00000316)	ND (0.00000188) U	ND (0.00000234) U	ND (0.00000853)		
PCB 35	UG/L	T				ND (0.00000134) U		ND (0.00000166)	ND (0.00000328)	ND (0.00000195) U	ND (0.00000247) U	ND (0.00000884)		
PCB 37	UG/L	T				0.00000183 J		ND (0.00000176)	ND (0.00000349)	0.00000364 J	ND (0.0000024) U	ND (0.00000898)		
PCB 38	UG/L	T				ND (0.0000012) U		ND (0.00000166)	ND (0.00000343)	ND (0.00000173) U	ND (0.00000222) U	ND (0.00000939)		
PCB 39	UG/L	T				ND (0.00000117) U		ND (0.0000016)	ND (0.00000332)	ND (0.00000172) U	ND (0.0000021) U	ND (0.00000888)		
PCB 4	UG/L	D												
PCB 4	UG/L	T				0.0000297		0.0000364 J	0.0000483	0.0000164	0.000014	ND (0.00000635)		
PCB 41	UG/L	T				ND (0.00000118) U		ND (0.00000277)	ND (0.00000303)	ND (0.00000191) U	ND (0.00000154) U	ND (0.00000742)		
PCB 42	UG/L	T				0.00000215 EMPCJ		ND (0.00000289)	ND (0.00000291)	ND (0.00000203) U	ND (0.0000016) U	ND (0.00000707)		
PCB 43	UG/L	T				ND (0.00000151) U		ND (0.000003)	ND (0.00000304)	ND (0.00000232) U	ND (0.00000177) U	ND (0.00000742)		
PCB 45	UG/L	T				ND (0.0000011) U		ND (0.00000286)	ND (0.00000273)	ND (0.00000169) U	ND (0.00000135) U	ND (0.00000693)		
PCB 46	UG/L	T				ND (0.0000012) U		ND (0.00000291)	ND (0.00000286)	ND (0.00000182) U	ND (0.00000147) U	ND (0.00000719)		
PCB 48	UG/L	T				ND (0.000000997) U		ND (0.00000246)	ND (0.00000241)	ND (0.00000158) U	ND (0.00000124) U	ND (0.00000609)		
PCB 5	UG/L	T				ND (0.00000237) U		ND (0.00000543)	ND (0.0000118)	ND (0.00000447) U	ND (0.00000295) U	ND (0.0000426)		
PCB 51	UG/L	T				ND (0.00000107) U		0.0000372	ND (0.00000248)	ND (0.00000169) U	ND (0.00000133) U	ND (0.00000645)		
PCB 52	UG/L	T				0.0000217 U*		0.0000113	0.0000156	0.0000138 U*	0.00000988 U*	0.0000335		
PCB 54	UG/L	T				ND (0.000000644) U		ND (0.00000186)	ND (0.00000294)	ND (0.00000101) U	ND (0.000000775) U	ND (0.00000424)		
PCB 56	UG/L	T				ND (0.00000124) U		ND (0.00000166)	ND (0.00000272)	0.00000233 J	ND (0.00000149) U	ND (0.00000663)		
PCB 57	UG/L	T				ND (0.00000109) U		ND (0.00000186)	ND (0.00000311)	ND (0.00000151) U	ND (0.00000129) U	ND (0.00000768)		
PCB 6	UG/L	T				0.00000432 J		0.00000283 J	ND (0.0000117)	0.00000477	ND (0.00000308) U	ND (0.0000412)		
PCB 60	UG/L	T				ND (0.0000011) U		ND (0.00000162)	ND (0.00000271)	ND (0.00000148) U	ND (0.00000131) U	ND (0.00000666)		
PCB 63	UG/L	T				ND (0.000000937) U		ND (0.00000176)	ND (0.00000301)	ND (0.00000129) U	ND (0.00000111) U	ND (0.00000725)		
PCB 64	UG/L	T				0.0000031 U*		0.00000329 J	0.00000438 J	0.00000308 U*	0.0000012 U*	0.00000698 J		
PCB 66	UG/L	T				0.00000419 U*		0.00000333 J	0.00000582 J	0.0000044 U*	ND (0.00000142) U	0.00000783 J		
PCB 67	UG/L	T				ND (0.0000011) U		ND (0.00000152)	ND (0.00000255)	ND (0.00000155) U	ND (0.00000131) U	ND (0.00000631)		
PCB 68	UG/L	T				ND (0.00000108) U		0.000027	ND (0.00000308)	ND (0.00000151) U	ND (0.00000128) U	ND (0.00000717)		
PCB 7	UG/L	T				ND (0.00000228) U		0.00000177 J	ND (0.0000112)	ND (0.00000432) U	ND (0.00000272) U	ND (0.0000388)		
PCB 72	UG/L	T				ND (0.00000109) U		ND (0.00000158)	ND (0.00000264)	ND (0.00000152) U	ND (0.00000128) U	ND (0.00000652)		
PCB 77	UG/L	T				ND (0.00000129) U		ND (0.00000221)	ND (0.00000301)	ND (0.00000176) U	ND (0.00000147) U	ND (0.00000805)		
PCB 8	UG/L	T				0.0000114		0.00000959 J	0.0000127	0.0000176 U*	0.0000117	ND (0.0000404)		
PCB 82	UG/L	T				ND (0.00000182) U		ND (0.00000278)	ND (0.00000274)	ND (0.00000234) U	ND (0.00000199) U	ND (0.00000921)		
PCB 83	UG/L	T				ND (0.00000152) U		ND (0.00000289)	ND (0.00000269)	ND (0.00000217) U	ND (0.00000172) U	ND (0.00000898)		
PCB 84	UG/L	T				0.00000355 U*		ND (0.00000252)	ND (0.00000256)	0.00000324 U*	ND (0.00000159) U	0.0000169		
PCB 88	UG/L	T				ND (0.0000016) U		ND (0.00000284)	ND (0.0000033)	0.00000432 EMPC J	ND (0.00000189) U	ND (0.00000971)		
PCB 9	UG/L	T				0.0000025 J		0.00000157 J	ND (0.0000113)	0.0000035	ND (0.00000307) U	ND (0.00004)		
PCB 91	UG/L	T				ND (0.00000112) U		ND (0.00000255)	ND (0.00000231)	ND (0.0000014) U	ND (0.00000112) U	ND (0.00000868)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-21S	MW-21S	MW-21S	MW-21-S	MW-22D	MW-22D	MW-22D	
			Human Health				Duplicate	8/23/07	5/27/10	8/17/10	5/27/10	5/22/07	8/23/07	5/26/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
PCB 92	UG/L	T				0.0000259 EMPCJ		ND (0.000025)	ND (0.0000254)	0.0000316 U*	ND (0.000017) U	0.0000865 J		
PCB 95	UG/L	T				0.0000143 U*		0.0000536 J	0.0000115 EMPC	0.0000755 U*	0.0000652 U*	0.0000404		
PCB 96	UG/L	T				ND (0.00000834) U		ND (0.0000186)	ND (0.0000188)	ND (0.0000134) U	ND (0.00000878) U	ND (0.0000405)		
PCB 99	UG/L	T				0.0000596 U*		ND (0.0000189)	0.0000366 J	0.0000456 U*	0.0000263 U*	0.0000162		
PCB-106/118	UG/L	T												
PCB-107/124	UG/L	T				ND (0.0000115) U		ND (0.0000195)	ND (0.0000184)	ND (0.0000149) U	ND (0.0000127) U	ND (0.0000647)		
PCB-108/119/86/97/125/87	UG/L	T				0.0000859 U*		ND (0.0000221)	ND (0.0000216)	0.0000905 J	0.0000413 U*	0.0000372		
PCB-113/90/101	UG/L	T				0.0000154 U*		0.0000655 J	0.0000855 J	0.0000122 U*	0.0000664 U*	0.0000428 EMPC		
PCB-116/85	UG/L	T				ND (0.0000121) U		ND (0.0000256)	ND (0.0000263)	ND (0.0000148) U	ND (0.000013) U	ND (0.0000885)		
PCB-128/166	UG/L	T				ND (0.0000125) U		ND (0.000024)	ND (0.0000199)	0.0000365 U*	ND (0.0000131) U	ND (0.0000691)		
PCB-13/12	UG/L	T				ND (0.0000258) U		ND (0.000063)	ND (0.0000133)	ND (0.0000466) U	ND (0.0000303) U	ND (0.0000495)		
PCB-139/140	UG/L	T				ND (0.00000865) U		ND (0.0000198)	ND (0.000022)	ND (0.000013) U	ND (0.0000149) U	ND (0.0000719)		
PCB-147/149	UG/L	T				0.0000996 U*		0.0000317 J	ND (0.0000183)	0.0000134 J	0.0000371 U*	0.0000159		
PCB-151/135	UG/L	T				0.0000462 U*		ND (0.0000178)	ND (0.0000203)	0.0000102 U*	ND (0.0000156) U	0.000011		
PCB-153/168	UG/L	T				0.0000877 U*		0.0000316 J	ND (0.000016)	0.0000141 U*	0.0000385 U*	0.0000172		
PCB-156/157	UG/L	T				ND (0.0000138) U		ND (0.0000352)	ND (0.000025)	0.000034 U*	ND (0.0000149) U	ND (0.0000878)		
PCB-163/138/129	UG/L	T				0.0000982 U*		0.0000233 J	ND (0.0000184)	0.0000179 U*	0.0000378 U*	0.0000266		
PCB-171/173	UG/L	T				ND (0.0000152) U		ND (0.0000251)	ND (0.0000278)	ND (0.0000196) U	ND (0.0000158) U	ND (0.0000775)		
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T				0.0000392 U*		ND (0.0000199)	ND (0.0000215)	0.0000519 J	ND (0.0000122) U	ND (0.0000626)		
PCB-198/199	UG/L	T				ND (0.0000138) U		ND (0.0000266)	ND (0.0000194)	ND (0.0000163) U	ND (0.0000172) U	ND (0.0000633)		
PCB-21/33	UG/L	T				0.0000553 J		0.0000785 J	0.0000585 J	0.0000775 J	0.0000298 EMPCJ	ND (0.000088)		
PCB-26/29	UG/L	T				0.0000291 EMPCJ		0.000024 J	ND (0.000029)	0.0000441 J	ND (0.0000213) U	ND (0.0000781)		
PCB-28/20	UG/L	T				0.0000904 U*		0.0000136	0.0000134 B	0.000013 U*	0.000038 U*	0.0000109 B		
PCB-30/18	UG/L	T				0.0000188 U*		0.0000195	0.0000355	0.0000148 U*	0.0000984 U*	0.0000894 J		
PCB-44/47/65	UG/L	T				0.0000114 J		0.0000313	0.0000129	0.0000123 U*	0.0000597 J	0.0000189		
PCB-50/53	UG/L	T				0.0000255 J		ND (0.0000265)	0.0000289 J	ND (0.0000161) U	ND (0.0000126) U	ND (0.0000669)		
PCB-59/62/75	UG/L	T				ND (0.0000079) U		ND (0.0000217)	ND (0.0000208)	ND (0.0000127) U	ND (0.00000983) U	ND (0.0000544)		
PCB-61/70/74/76	UG/L	T				0.000011 U*		0.0000779 J	0.000011	0.0000111 U*	0.0000487 U*	0.0000319		
PCB-69/49	UG/L	T				0.0000739 U*		0.0000507 J	0.0000567 J	0.0000515 U*	0.0000298 J	0.0000943 J		
PCB-71/40	UG/L	T				0.0000426 J		ND (0.0000256)	0.000043 J	0.0000331 EMPC J	0.0000186 EMPCJ	ND (0.0000599)		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T												
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000612 J		0.0000811	0.0000898 B	0.000144 J	0.0000714	0.0000282 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000955 J		ND (0.0000226)	ND (0.0000235)	0.0000872 J	ND (0.0000139) U	ND (0.0000646)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000401 U*		0.0000867	ND (0.0000202)	0.000107 EMPC J	0.0000113 U*	0.0000877 EMPC		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000683 J		0.0000616	0.000119 EMPC	0.000142	0.00011 J	0.000162		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000124 EMPCJ		ND (0.0000357)	ND (0.0000734)	ND (0.0000213) U	ND (0.0000294) U	ND (0.0000119)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000963) U		ND (0.0000249)	ND (0.00002)	0.0000219 J	ND (0.0000119) U	ND (0.0000619)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02									
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000071 EMPCJ		0.0000211 EMPC	0.000034 EMPC	0.0000813 EMPC J	0.0000303 J	0.000246 EMPC		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000677 EMPCJ		0.000126	0.0000626 EMPC	0.0000556 EMPC J	0.0000268 EMPCJ	0.000108 EMPC		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000782 EMPCJ		0.0000797 EMPC	0.000105 EMPC	0.0000776 EMPC J	0.000033 EMPCJ	0.0000198 B		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06	251	966	345		21100 J	22400	19800		
ALUMINUM	UG/L	T				438	1010	293		23600 J	25700 J	19400		
ANTIMONY	UG/L	D		1.58E+08	8.82E+05	ND (9.7)				ND (48.5)	ND (48.5)			
ANTIMONY	UG/L	T				ND (9.7)				ND (48.5)	ND (48.5)			
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06	1.1 J				4.1	3			
ARSENIC	UG/L	T				1.3 J				4	2.7			
BARIUM	UG/L	D		7.90E+10	1.18E+05	27.4	30.4	61.6		95.8	102	49.3		
BARIUM	UG/L	T				26.3	31.8	69.7		105	92.1	50.6		
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04	ND (0.9)	2 J	ND (1.4)		43.7	51.6	38.4		
BERYLLIUM	UG/L	T				ND (0.9)	1.9 J	ND (1.4)		45.6	50.6	37.4		
CADMIUM	UG/L	D		1.98E+08	2.65E+04	ND (0.9)	ND (2)	ND (2)		6.1 J	4.9 J	4.2 J		
CADMIUM	UG/L	T				ND (0.9)	ND (2)	ND (2)		5.4 J	8.5 J	4 J		
CALCIUM	UG/L	D				53100				198000	212000			
CALCIUM	UG/L	T				54900				211000	225000			
CHROMIUM	UG/L	D		4.76E+06		ND (2.3)				13 B	ND (11.5)			
CHROMIUM	UG/L	T				ND (2.3)				19.7 B	ND (11.5)			

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-21S	MW-21S	MW-21S	MW-21-S	MW-22D	MW-22D	MW-22D
			Human Health				8/23/07	5/27/10	8/17/10	5/27/10	5/22/07	8/23/07	5/26/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
			FS	FS	FS		FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05	152	156	143		326	358	266	
COBALT	UG/L	T				167	156	125		329	347	265	
COPPER	UG/L	D		1.58E+10	2.68E+05	2.9 B	ND (2.7)	ND (2.7)		2910	2950	2630	
COPPER	UG/L	T				5.7 B	6.5 J	ND (2.7)		3210	3220	2900	
FERROUS IRON	UG/L	T				55900 J				94800	94700 J		
IRON	UG/L	D		2.77E+11	2.94E+07	52200	46000	59600		75900	77300	77700	
IRON	UG/L	T				54200	49500	55600		78800	81300	85300	
LEAD	UG/L	D			4.71E+05	0.79 J	0.51 J	0.15 J		5.6 J	3.2	15.4	
LEAD	UG/L	T				0.94 J	1.1	0.21 J		5.4	3.8	27.5	
MAGNESIUM	UG/L	D				42400				76700	81200		
MAGNESIUM	UG/L	T				44200				80600	86400		
MANGANESE	UG/L	D		5.53E+10	3.38E+07	9090	8820	8710		17300	17800	19600	
MANGANESE	UG/L	T				9690	8970	8070		18200	18600	19800	
MERCURY	UG/L	D		1.19E+08	3.53E+02	ND (0.056) UJ				ND (0.056)	ND (0.056)	ND (0.056)	
MERCURY	UG/L	T				ND (0.056)				0.19 J	0.35	0.42	
NICKEL	UG/L	D		1.00E+10	3.59E+06	44.9	46.9	36.6		658	793	682	
NICKEL	UG/L	T				50.7	46.7	29.2		673	747	682	
POTASSIUM	UG/L	D				58500				6690	8040		
POTASSIUM	UG/L	T				60000				7180	8410		
SELENIUM	UG/L	D		1.98E+09	1.47E+05	ND (9.4)				ND (47)	ND (47)		
SELENIUM	UG/L	T				ND (9.4)				ND (47)	ND (47)		
SILVER	UG/L	D		2.21E+09	2.65E+05	2.4 J				ND (8)	ND (8)		
SILVER	UG/L	T				ND (1.6)				ND (8)	ND (8)		
SODIUM	UG/L	D				177000				435000	424000		
SODIUM	UG/L	T				183000				450000	537000		
THALLIUM	UG/L	D		3.95E+06	1.18E+06	0.18 J				ND (0.37)	0.25 J		
THALLIUM	UG/L	T				0.18 J				0.22 J	0.25 J		
TITANIUM	UG/L	D				ND (2.8)				ND (14)	ND (14)		
TITANIUM	UG/L	T				7.5 J				ND (14)	ND (14)		
VANADIUM	UG/L	D		2.77E+07	5.88E+05	ND (1.5)				10 J	13.3 J		
VANADIUM	UG/L	T				2.4 J				13.9 J	20.6 J		
ZINC	UG/L	D		1.33E+11	2.41E+06	110	135	99.4		2170	2840	1850	
ZINC	UG/L	T				106	143	89.2		2140	2600	1890	
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T				54400				ND (460)	ND (460)		
AMMONIA	UG/L	T		1.34E+13		2500				1800	7000		
CHLORIDE	UG/L	T				321000				1310000	1500000		
CYANIDE	UG/L	T		8.45E+09	1.53E+05	ND (5)				ND (5)	ND (5)		
FERRIC IRON	UG/L	T				ND (800)				ND (1600)	ND (1600)		
NITRATE	UG/L	T		6.32E+11		ND (40)				320 J	63 J		
NITRITE	UG/L	T		3.95E+10		45 J				47 J	46 J		
PHOSPHORUS	UG/L	T				ND (250)				ND (250)	ND (250)		
SILICA	UG/L	T				34900 J				80500	78700 J		
SULFATE	UG/L	T				442000				452000	443000		
SULFIDE	UG/L	T				ND (54)				ND (54)	ND (54)		
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T				396000							
TOTAL ORGANIC CARBON	UG/L	T				4300				2000	2800		
TOTAL SUSPENDED SOLIDS	UG/L	T				53600	6400 J	4000 J		13200	8000 J	ND (3000)	
COLOR QUALITATIVE (FIELD)	NS	T				clr	NS	NS		Clear	clr	NS	
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				630	30	140		1070	390	120	
ODOR (FIELD)	NS	T				yes	NS	NS		No	no	NS	
OVABZONE	PPM	T					NS	NS		NR		NS	
OVACASING	PPM	T					NS	NS		NR		NS	
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T					NS	NS				NS	
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T				ND (0.00000701) U				ND (0.00000259) U	ND (0.00000102) U		
TOTAL HPCDDS	UG/L	T											

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-22D	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-23	
			Human Health				8/17/10	5/22/07	5/23/07	8/23/07	5/26/10	8/18/10	5/24/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	
Duplicate						FS	FS	FS	FS	FS	FS	DUP		
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05			ND (0.8)		ND (0.8)				
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06			ND (1)		ND (1)				
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05			ND (0.8)		ND (0.8)				
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04					ND (1)				
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05					ND (1)				
ACETONE	UG/L	T		4.08E+11	4.41E+07			ND (6)		ND (6)				
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07			ND (0.5)		ND (0.5)				
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04			ND (1)		ND (1)				
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04			ND (0.8)		ND (0.8)				
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04			7		8				
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05			ND (0.8)		ND (0.8)				
ETHYL CHLORIDE	UG/L	T						ND (1)		ND (1)				
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06			ND (0.8)		ND (0.8)				
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06			ND (1)		ND (1)				
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08			ND (3)		ND (3)				
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06			ND (2)		ND (2)				
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06			ND (0.8)		ND (0.8)				
TOLUENE	UG/L	T		3.52E+09	5.88E+04			ND (0.7)		ND (0.7)				
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05			ND (0.8)		ND (0.8)				
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05			ND (1)		ND (1)				
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07			ND (1)		ND (1)				
XYLENES	UG/L	T		5.98E+09	3.82E+05			ND (0.8)		ND (0.8)				
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07					ND (3) R				
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05					ND (1)				
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09						ND (1) R				
ACENAPHTHENE	UG/L	T		1.01E+09						ND (1)				
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02					ND (1)				
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02					ND (1)				
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05					ND (2)				
CARBAZOLE	UG/L	T		5.29E+08						ND (1)				
CHRYSENE	UG/L	T	9.83E+01		1.18E+02					ND (1)				
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05					ND (1)				
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05					ND (2)				
FLUORENE	UG/L	T		5.29E+08	8.82E+04					ND (1)				
HEXACHLOROETHANE	UG/L	T			8.82E+00					ND (1)				
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04					ND (1)				
PHENANTHRENE	UG/L	T			1.18E+04					ND (1)				
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.00000754)			ND (0.00000208) U	0.00000605 B	ND (0.00000118)	ND (0.000002806731)	
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.00000502)			ND (0.00000878) U	0.00000622 B	ND (0.00000544)	ND (0.000001672352)	
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.00000656)			ND (0.00000178) U	ND (0.000002530055)	ND (0.00000768)	ND (0.000002240293)	
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.00000585)			ND (0.00000148) U	ND (0.000001258541)	ND (0.00000759)	ND (0.000001456869)	
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.00000431)			ND (0.00000277) U	ND (0.000000970403)	ND (0.00000465)	ND (0.000001129149)	
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.00000631)			ND (0.00000158) U	ND (0.000001232421)	ND (0.00000078)	ND (0.000001449081)	
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.00000415)			ND (0.00000316) U	ND (0.0000009465485)	ND (0.00000445)	ND (0.000001079398)	
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.00000634)			ND (0.00000153) U	ND (0.000001404396)	ND (0.00000881)	ND (0.000001497515)	
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.00000536)			ND (0.000000512) U	ND (0.000001245981)	ND (0.00000066)	ND (0.00000143046)	
1,2,3,7,8-PECDF	UG/L	T					ND (0.00000614)			ND (0.00000832) U	ND (0.000007945656)	ND (0.00000048)	ND (0.0000008185903)	
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.00000468)			ND (0.00000439) U	ND (0.000001076129)	ND (0.00000514)	ND (0.000001215018)	
2,3,4,7,8-PECDF	UG/L	T					ND (0.00000555)			ND (0.00000787) U	ND (0.000007485653)	ND (0.00000052)	ND (0.0000007966557)	
2,3,7,8-TCDD	UG/L	T					ND (0.00000793)			ND (0.000000374) U	ND (0.0000009467439)	ND (0.00000867)	ND (0.000001242597)	
2,3,7,8-TCDF	UG/L	T					ND (0.00000596)			ND (0.00000392) U	ND (0.000004973614)	ND (0.00000594)	ND (0.0000007276756)	
HPCDDS	UG/L	T								ND (0.00000208) U				
HXCDDS	UG/L	T								ND (0.00000153) U				
HXCDFS	UG/L	T								ND (0.00000037) U				
OCDD	UG/L	T					0.00000502 J			0.0000159 J	0.000163 B	0.0000011 EMPC J	0.0000241 J	
OCDF	UG/L	T					ND (0.00000114)			ND (0.00000852) U	0.0000239 B	ND (0.00000143)	0.0000278 J	
TCDDS	UG/L	T					ND (0.00000793)			0.000000814 U*	ND (0.0000009467439)	ND (0.000000867)	ND (0.000001242597)	

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-22D	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-23	
			Human Health				Ecological (DF=29,412)	8/17/10	5/22/07	5/23/07	8/23/07	5/26/10	8/18/10	5/24/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0
TCDFS	UG/L	T				ND (0.00000596)				ND (0.00000392) U	ND (0.000004973614)	ND (0.00000594)	ND (0.000007276756)	
TOTAL HPCDD	UG/L	T				ND (0.00000754)				0.000018 B	ND (0.00000118)	ND (0.000002806731)		
TOTAL HPCDF	UG/L	T				ND (0.00000572)				0.0000115 B	ND (0.00000644)	ND (0.000001927266)		
TOTAL HXCDD	UG/L	T				ND (0.00000615)				0.00000279 EMPC	ND (0.00000805)	ND (0.000001464369)		
TOTAL HXCDF	UG/L	T				ND (0.00000459)				ND (0.00000104862)	ND (0.00000514)	ND (0.000001203795)		
TOTAL PECDD	UG/L	T				ND (0.00000696)				ND (0.000009014007)	ND (0.00000947)	ND (0.000001134419)		
TOTAL PECDDS	UG/L	T								ND (0.00000148) U				
TOTAL PECDF	UG/L	T				ND (0.00000585)				ND (0.000007714525)	ND (0.0000005)	ND (0.000008077535)		
TOTAL PECDFS	UG/L	T								ND (0.00000809) U				
PCB 1	UG/L	D												
PCB 1	UG/L	T				0.000168				ND (0.00000121) U	ND (0.0000033)	ND (0.00000148)	0.0000168	
PCB 10	UG/L	T				ND (0.00000489)				ND (0.00000166) U	ND (0.0000198)	ND (0.0000126)	ND (0.000013)	
PCB 103	UG/L	T				ND (0.00000185)				ND (0.00000152) U	ND (0.00000359)	ND (0.00000376)	ND (0.00000332)	
PCB 105	UG/L	T				ND (0.00000205)				ND (0.00000154) U	0.00000704 J	0.0000265	0.0000115	
PCB 109	UG/L	T				ND (0.00000163)				ND (0.00000123) U	ND (0.00000277)	ND (0.00000308)	ND (0.00000257)	
PCB 11	UG/L	T				0.0000283 J				0.00000691 U*	0.0000296 B	0.0000234 J	0.0000646 B	
PCB 110	UG/L	T				0.00000421 J				0.0000112 U*	0.0000154 EMPC	0.0000172	0.0000259	
PCB 114	UG/L	T				ND (0.0000019)				ND (0.00000149) U	ND (0.00000319)	ND (0.00000347)	ND (0.00000313)	
PCB 117	UG/L	T				ND (0.00000173)				ND (0.00000152) U	ND (0.00000317)	ND (0.00000453)	ND (0.00000302)	
PCB 118	UG/L	T				0.00000444 J				0.00000475 U*	0.0000115 EMPC	0.0000432	0.0000198	
PCB 123	UG/L	T				ND (0.000002)				ND (0.00000147) U	ND (0.00000326)	ND (0.00000367)	ND (0.00000349)	
PCB 130	UG/L	T				ND (0.00000211)				ND (0.00000207) U	ND (0.00000411)	0.0000338	ND (0.00000466)	
PCB 131	UG/L	T				ND (0.00000175)				ND (0.00000172) U	ND (0.00000378)	ND (0.00000258)	ND (0.00000409)	
PCB 132	UG/L	T				ND (0.00000174)				ND (0.00000168) U	ND (0.00000369)	0.000106	ND (0.000004)	
PCB 133	UG/L	T				ND (0.00000194)				ND (0.00000166) U	ND (0.00000408)	0.00000604 J	ND (0.00000451)	
PCB 134	UG/L	T				ND (0.00000221)				ND (0.00000226) U	ND (0.00000457)	0.00000854 J	ND (0.00000512)	
PCB 136	UG/L	T				ND (0.0000017)				ND (0.00000122) U	ND (0.0000028)	0.00000381 J	ND (0.00000312)	
PCB 137	UG/L	T				ND (0.00000202)				ND (0.00000149) U	ND (0.0000043)	ND (0.00000268)	ND (0.00000498)	
PCB 141	UG/L	T				ND (0.00000166)				ND (0.00000158) U	ND (0.00000339)	0.00024	ND (0.00000376)	
PCB 144	UG/L	T				ND (0.0000017)				ND (0.00000176) U	ND (0.00000367)	0.0000105	ND (0.00000393)	
PCB 146	UG/L	T				ND (0.00000151)				ND (0.00000165) U	ND (0.00000316)	0.0000863	ND (0.00000354)	
PCB 148	UG/L	T				ND (0.00000194)				ND (0.00000173) U	ND (0.00000411)	ND (0.00000278)	ND (0.00000448)	
PCB 15	UG/L	T				0.00000517 J				ND (0.00000395) U	ND (0.0000032)	ND (0.0000204)	ND (0.000018)	
PCB 150	UG/L	T				ND (0.00000179)				ND (0.00000109) U	ND (0.00000295)	ND (0.00000247)	ND (0.00000323)	
PCB 154	UG/L	T				ND (0.00000153)				ND (0.00000154) U	ND (0.00000337)	ND (0.00000223)	ND (0.00000363)	
PCB 156	UG/L	T												
PCB 157	UG/L	T												
PCB 158	UG/L	T				ND (0.00000133)				ND (0.00000132) U	ND (0.00000269)	0.000115	ND (0.00000288)	
PCB 159	UG/L	T				ND (0.00000132)				ND (0.00000183) U	ND (0.00000453)	0.0000582	ND (0.0000028)	
PCB 16	UG/L	T				0.00000348 J				0.00000465 J	ND (0.00000656)	ND (0.00000408)	ND (0.00000575)	
PCB 160	UG/L	T				ND (0.00000177)				ND (0.00000145) U	ND (0.0000034)	ND (0.00000241)	ND (0.00000366)	
PCB 162	UG/L	T				ND (0.0000015)				ND (0.00000166) U	ND (0.00000515)	ND (0.00000457)	ND (0.00000318)	
PCB 164	UG/L	T				ND (0.00000123)				ND (0.00000116) U	ND (0.00000244)	0.0000785	ND (0.00000271)	
PCB 167	UG/L	T				ND (0.00000155)				ND (0.00000172) U	ND (0.00000473)	0.0000795	ND (0.00000325)	
PCB 169	UG/L	T				ND (0.00000199)				ND (0.00000227) U	ND (0.00000446)	ND (0.0000136)	ND (0.00000375)	
PCB 17	UG/L	T				0.00000334 J				0.00000377 J	ND (0.00000543)	ND (0.00000311)	ND (0.00000478)	
PCB 170	UG/L	T				ND (0.00000232)				ND (0.000002) U	ND (0.00000481)	0.00361	ND (0.0000043)	
PCB 172	UG/L	T				ND (0.00000209)				ND (0.00000188) U	ND (0.00000473)	0.000483	ND (0.00000395)	
PCB 174	UG/L	T				ND (0.00000196)				ND (0.00000202) U	ND (0.00000453)	0.00158	ND (0.00000354)	
PCB 175	UG/L	T				ND (0.00000215)				ND (0.00000194) U	ND (0.00000492)	0.0000498	ND (0.00000376)	
PCB 176	UG/L	T				ND (0.00000146)				ND (0.000000994) U	ND (0.00000356)	0.0000509	ND (0.00000375)	
PCB 177	UG/L	T				ND (0.00000214)				ND (0.00000219) U	ND (0.00000485)	0.000973	ND (0.00000381)	
PCB 178	UG/L	T				ND (0.00000173)				ND (0.00000151) U	ND (0.00000392)	0.00017	ND (0.0000043)	
PCB 179	UG/L	T				ND (0.00000129)				ND (0.00000127) U	ND (0.00000312)	0.0000968	ND (0.00000342)	
PCB 183	UG/L	T				ND (0.00000178)				ND (0.00000157) U	ND (0.00000417)	0.000773	ND (0.00000335)	
PCB 185	UG/L	T				ND (0.00000235)				ND (0.0000016) U	ND (0.00000563)	0.000114	ND (0.00000448)	
PCB 187	UG/L	T				ND (0.00000188)				ND (0.00000188) U	ND (0.00000426)	0.00139	ND (0.00000331)	
PCB 189	UG/L	T				ND (0.0000016)				ND (0.00000156) U	ND (0.00000395)	0.000169	ND (0.00000269)	
PCB 19	UG/L	T				0.00000227 J				0.00000351 EMPCJ	ND (0.00000619)	ND (0.00000349)	ND (0.000006)	

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-22D	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-23	
			Human Health				Ecological (DF=29,412)	8/17/10	5/22/07	5/23/07	8/23/07	5/26/10	8/18/10	5/24/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	
PCB 190	UG/L	T				ND (0.00000189)			ND (0.00000169) U	ND (0.00000388)	0.000787	ND (0.00000322)		
PCB 191	UG/L	T				ND (0.00000178)			ND (0.00000165) U	ND (0.0000039)	0.000146	ND (0.00000311)		
PCB 194	UG/L	T				ND (0.00000231)			ND (0.00000223) U	ND (0.0000048)	0.00335	ND (0.00000414)		
PCB 195	UG/L	T				ND (0.00000236)			ND (0.00000228) U	ND (0.00000481)	0.0011	ND (0.00000446)		
PCB 196	UG/L	T				ND (0.00000191)			ND (0.00000161) U	ND (0.00000458)	0.00127	ND (0.00000438)		
PCB 197	UG/L	T				ND (0.0000013)			ND (0.00000115) U	ND (0.00000342)	0.0000343	ND (0.00000322)		
PCB 2	UG/L	T				0.00000742 J			ND (0.00000134) U	ND (0.00000339)	ND (0.00000157)	0.00000303 J		
PCB 200	UG/L	T				ND (0.00000164)			ND (0.00000137) U	ND (0.00000435)	0.000201	ND (0.00000407)		
PCB 201	UG/L	T				ND (0.00000151)			ND (0.00000132) U	ND (0.00000395)	0.000133	ND (0.00000376)		
PCB 202	UG/L	T				ND (0.00000168)			ND (0.00000133) U	ND (0.00000465)	0.000128	ND (0.00000447)		
PCB 203	UG/L	T				ND (0.00000181)			ND (0.0000017) U	ND (0.00000435)	0.00146	ND (0.00000421)		
PCB 205	UG/L	T				ND (0.00000217)			ND (0.00000185) U	ND (0.00000432)	0.00019	ND (0.000004)		
PCB 206	UG/L	T				ND (0.00000311)			ND (0.00000644) U	ND (0.0000101)	0.000916	ND (0.0000128)		
PCB 207	UG/L	T				ND (0.00000204)			ND (0.00000404) U	ND (0.00000752)	0.0000925	ND (0.00000838)		
PCB 208	UG/L	T				ND (0.00000241)			ND (0.00000406) U	ND (0.00000846)	0.000113	ND (0.0000103)		
PCB 209	UG/L	T				ND (0.00000341)			ND (0.00000235) U	0.0000229	0.0000432	0.000776		
PCB 22	UG/L	T				0.00000169 J			ND (0.00000193) U	ND (0.00000406)	ND (0.00000197)	ND (0.00000449)		
PCB 23	UG/L	T				ND (0.00000122)			ND (0.00000188) U	ND (0.00000501)	ND (0.00000238)	ND (0.0000055)		
PCB 25	UG/L	T				ND (0.000000918)			ND (0.00000179) U	ND (0.00000375)	ND (0.00000177)	ND (0.00000409)		
PCB 27	UG/L	T				ND (0.00000116)			ND (0.00000158) U	ND (0.00000457)	ND (0.00000253)	ND (0.0000038)		
PCB 3	UG/L	T				0.00000212			ND (0.00000135) U	ND (0.00000396)	0.00000336 J	0.0000038 J		
PCB 31	UG/L	T				0.00000496 J			0.00000245 U*	0.00000957 J	0.00000381 J	0.0000067 B		
PCB 32	UG/L	T				0.00000553 J			0.00000286 J	0.00000546 J	0.00000359 J	ND (0.00000338)		
PCB 34	UG/L	T				ND (0.00000112)			ND (0.00000195) U	ND (0.00000449)	ND (0.00000211)	ND (0.00000481)		
PCB 35	UG/L	T				ND (0.00000124)			ND (0.00000205) U	ND (0.00000465)	ND (0.00000211)	ND (0.00000502)		
PCB 37	UG/L	T				0.00000162 J			ND (0.00000209) U	0.00000542 J	ND (0.00000222)	ND (0.00000547)		
PCB 38	UG/L	T				ND (0.00000124)			ND (0.00000184) U	ND (0.00000494)	ND (0.00000222)	ND (0.00000541)		
PCB 39	UG/L	T				ND (0.00000119)			ND (0.0000018) U	ND (0.00000468)	ND (0.00000218)	ND (0.00000507)		
PCB 4	UG/L	D												
PCB 4	UG/L	T				0.00000138 J			ND (0.0000029) U	ND (0.0000345)	ND (0.000021)	ND (0.0000231)		
PCB 41	UG/L	T				ND (0.00000166)			ND (0.00000195) U	ND (0.00000521)	ND (0.00000395)	ND (0.00000485)		
PCB 42	UG/L	T				ND (0.00000173)			ND (0.00000214) U	ND (0.00000496)	ND (0.00000383)	ND (0.00000451)		
PCB 43	UG/L	T				ND (0.0000018)			ND (0.00000248) U	ND (0.00000521)	ND (0.00000529)	ND (0.00000455)		
PCB 45	UG/L	T				ND (0.00000172)			ND (0.00000182) U	ND (0.00000486)	ND (0.00000304)	ND (0.00000387)		
PCB 46	UG/L	T				ND (0.00000175)			ND (0.00000198) U	ND (0.00000505)	ND (0.00000401)	ND (0.00000456)		
PCB 48	UG/L	T				ND (0.00000148)			ND (0.00000164) U	ND (0.00000427)	ND (0.00000331)	ND (0.00000377)		
PCB 5	UG/L	T				ND (0.00000492)			ND (0.00000335) U	ND (0.0000263)	ND (0.0000154)	ND (0.0000151)		
PCB 51	UG/L	T				ND (0.00000153)			ND (0.00000176) U	ND (0.00000452)	0.0000161	ND (0.00000439)		
PCB 52	UG/L	T				0.00000102			0.00000219 U*	0.000018 B	0.0000068 J	0.0000308		
PCB 54	UG/L	T				ND (0.0000014)			ND (0.000000862) U	ND (0.00000303)	ND (0.00000242)	ND (0.00000321)		
PCB 56	UG/L	T				0.00000151 J			ND (0.00000181) U	0.00000475 J	ND (0.00000183)	ND (0.00000435)		
PCB 57	UG/L	T				ND (0.00000118)			ND (0.00000158) U	ND (0.00000466)	ND (0.00000209)	ND (0.00000509)		
PCB 6	UG/L	T				0.00000275 J			ND (0.0000036) U	ND (0.0000255)	ND (0.0000152)	ND (0.0000148)		
PCB 60	UG/L	T				ND (0.00000103)			ND (0.0000016) U	ND (0.00000404)	ND (0.00000181)	ND (0.00000442)		
PCB 63	UG/L	T				ND (0.00000112)			ND (0.00000136) U	ND (0.0000044)	ND (0.00000198)	ND (0.00000492)		
PCB 64	UG/L	T				0.00000152 J			0.00000199 U*	ND (0.00000369)	ND (0.0000029)	ND (0.00000319)		
PCB 66	UG/L	T				0.00000229 J			ND (0.00000166) U	0.00000815 J	0.00000317 J	ND (0.00000437)		
PCB 67	UG/L	T				ND (0.000000971)			ND (0.0000016) U	ND (0.00000383)	ND (0.00000171)	ND (0.00000415)		
PCB 68	UG/L	T				ND (0.00000114)			ND (0.00000157) U	ND (0.00000435)	0.0000184	ND (0.00000485)		
PCB 7	UG/L	T				ND (0.0000046)			ND (0.00000322) U	ND (0.000024)	ND (0.000015)	0.0000102		
PCB 72	UG/L	T				ND (0.00000101)			ND (0.00000159) U	ND (0.00000396)	ND (0.00000179)	ND (0.00000436)		
PCB 77	UG/L	T				ND (0.00000143)			ND (0.00000193) U	ND (0.00000492)	ND (0.00000232)	ND (0.00000549)		
PCB 8	UG/L	T				0.00000105 J			ND (0.00000359) U	ND (0.000025)	0.00000404 J	0.00000957 J		
PCB 82	UG/L	T				ND (0.00000255)			ND (0.00000238) U	ND (0.00000462)	ND (0.00000493)	ND (0.00000455)		
PCB 83	UG/L	T				ND (0.00000265)			ND (0.00000198) U	ND (0.0000045)	ND (0.00000446)	ND (0.00000454)		
PCB 84	UG/L	T				ND (0.00000231)			ND (0.00000189) U	0.00000777 J	ND (0.00000461)	0.0000107 EMPC		
PCB 88	UG/L	T				ND (0.0000026)			ND (0.00000209) U	ND (0.00000487)	ND (0.00000522)	ND (0.00000527)		
PCB 9	UG/L	T				0.0000018 J			ND (0.00000361) U	ND (0.0000247)	ND (0.0000154)	ND (0.0000148)		
PCB 91	UG/L	T				ND (0.00000234)			ND (0.00000145) U	ND (0.00000435)	ND (0.00000484)	ND (0.00000393)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-22D	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-23
			Human Health				8/17/10	5/22/07	5/23/07	8/23/07	5/26/10	8/18/10	5/24/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	FS	FS	DUP						
PCB 92	UG/L	T				ND (0.00000229)			ND (0.00000204) U	ND (0.00000424)	ND (0.00000454)	0.00000755 J	
PCB 95	UG/L	T				0.00000373 J			0.0000137 U*	0.0000164	ND (0.00000404)	0.0000269	
PCB 96	UG/L	T				ND (0.00000142)			ND (0.00000125) U	ND (0.00000314)	ND (0.00000275)	ND (0.00000329)	
PCB 99	UG/L	T				ND (0.00000174)			0.00000481 U*	ND (0.00000331)	ND (0.0000038)	0.00000739 J	
PCB-106/118	UG/L	T											
PCB-107/124	UG/L	T				ND (0.00000178)			ND (0.0000015) U	ND (0.00000325)	ND (0.00000346)	ND (0.00000308)	
PCB-108/119/86/97/125/87	UG/L	T				ND (0.00000203)			0.00000808 U*	0.0000131 EMPC	ND (0.00000402)	0.0000231	
PCB-113/90/101	UG/L	T				0.00000489 J			0.0000112 U*	0.0000178	0.0000129	0.0000274 EMPC	
PCB-116/85	UG/L	T				ND (0.00000235)			ND (0.00000157) U	ND (0.00000444)	ND (0.00000394)	ND (0.00000414)	
PCB-128/166	UG/L	T				ND (0.0000015)			ND (0.00000197) U	ND (0.00000515)	0.00011	ND (0.0000032)	
PCB-13/12	UG/L	T				ND (0.0000057)			ND (0.00000363) U	ND (0.0000306)	ND (0.0000177)	ND (0.0000173)	
PCB-139/140	UG/L	T				ND (0.00000187)			ND (0.00000161) U	ND (0.00000399)	ND (0.00000266)	ND (0.00000432)	
PCB-147/149	UG/L	T				0.00000204 J			0.00000543 U*	0.0000112	0.000192	0.0000127	
PCB-151/135	UG/L	T				ND (0.00000169)			ND (0.00000166) U	ND (0.00000363)	0.0000531	ND (0.00000389)	
PCB-153/168	UG/L	T				0.00000222 J			0.00000432 U*	0.0000114	0.000953	0.00000726 J	
PCB-156/157	UG/L	T				ND (0.0000021)			ND (0.00000229) U	ND (0.00000651)	0.000256	ND (0.00000418)	
PCB-163/138/129	UG/L	T				0.0000025 J			0.00000521 U*	0.0000169	0.0013	0.000019	
PCB-171/173	UG/L	T				ND (0.00000218)			ND (0.000002) U	ND (0.00000485)	0.000538	ND (0.00000396)	
PCB-180/193	UG/L	D											
PCB-180/193	UG/L	T				ND (0.00000173)			ND (0.00000159) U	0.00000778 J	0.00716	ND (0.00000314)	
PCB-198/199	UG/L	T				ND (0.00000204)			ND (0.00000197) U	ND (0.00000499)	0.0023	ND (0.00000477)	
PCB-21/33	UG/L	T				0.00000351 J			ND (0.00000166) U	0.00000611 J	ND (0.00000221)	0.00000442 EMPC	
PCB-26/29	UG/L	T				ND (0.00000104)			ND (0.00000182) U	ND (0.00000411)	ND (0.00000198)	ND (0.00000444)	
PCB-28/20	UG/L	T				0.00000821 J			0.00000429 U*	0.000015 B	0.00000734 J	0.00000832 B	
PCB-30/18	UG/L	T				0.00000804 J			0.000011 U*	0.00000901 J	0.00000454 J	0.0000192 B	
PCB-44/47/65	UG/L	T				0.00000624 J			0.00000995 J	0.0000149	0.0000172	0.0000138 EMPC	
PCB-50/53	UG/L	T				ND (0.00000159)			ND (0.00000172) U	ND (0.00000469)	ND (0.00000371)	ND (0.00000411)	
PCB-59/62/75	UG/L	T				ND (0.0000013)			ND (0.0000013) U	ND (0.00000382)	ND (0.00000297)	ND (0.00000327)	
PCB-61/70/74/76	UG/L	T				0.00000603 J			0.0000067 U*	0.0000203	0.00000648 J	0.0000157 EMPC	
PCB-69/49	UG/L	T				0.0000028 J			0.00000444 U*	ND (0.00000419)	ND (0.00000324)	ND (0.00000365)	
PCB-71/40	UG/L	T				ND (0.00000154)			ND (0.00000182) U	ND (0.00000421)	ND (0.00000332)	ND (0.0000037)	
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T											
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000623			0.00000691 U*	0.0000296 B	0.0000274	0.0000843 B	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000179)			ND (0.00000162) U	0.00000778 EMPC	0.0181	ND (0.00000356)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000676			0.000015 U*	0.0000395	0.00369	0.0000389 EMPC	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000197			ND (0.00000128) U	ND (0.00000363)	0.00000336	0.0000237	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000276)			ND (0.00000525) U	ND (0.0000093)	0.00112	ND (0.0000115)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000192)			ND (0.00000159) U	ND (0.00000449)	0.0102	ND (0.00000423)	
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02								
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000173			0.0000537 U*	0.0000891 EMPC	0.0000996	0.00016 EMPC	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000306			0.000045 J	0.0000661	0.0000682 EMPC	0.0000602 EMPC	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000427			0.0000325 EMPCJ	0.0000505 EMPC	0.0000193	0.0000387 B	
ALUMINUM	UG/L	D		3.95E+11	2.56E+06	18900		ND (80.2)	ND (80.2)	2510	2370		
ALUMINUM	UG/L	T				19300		223	ND (80.2)	2330	2390		
ANTIMONY	UG/L	D		1.58E+08	8.82E+05			ND (9.7)	ND (9.7)				
ANTIMONY	UG/L	T						ND (9.7)	ND (9.7)				
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06			ND (0.7)	1.6 J				
ARSENIC	UG/L	T						0.79 J	1.7 J				
BARIUM	UG/L	D		7.90E+10	1.18E+05	44.1		45.5	29.5	19.6	24.7		
BARIUM	UG/L	T				44.5		45.1	31.2	24.3	24.8		
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04	32.5		ND (0.94)	ND (0.9)	9.7	10.3		
BERYLLIUM	UG/L	T				32.5		ND (0.94)	ND (0.9)	9.3	10		
CADMIUM	UG/L	D		1.98E+08	2.65E+04	4.4 J		1.3 J	ND (0.9)	4.4 J	3.9 B		
CADMIUM	UG/L	T				4.6 J		1.4 J	2 J	4.6 J	4.1 B		
CALCIUM	UG/L	D						202000	151000				
CALCIUM	UG/L	T						194000	143000				
CHROMIUM	UG/L	D			4.76E+06			6.3 J	3.1 J				
CHROMIUM	UG/L	T						19.9	21.9				

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-22D	MW-22S	MW-22S	MW-22S	MW-22S	MW-22S	MW-23
			Human Health				8/17/10	5/22/07	5/23/07	8/23/07	5/26/10	8/18/10	5/24/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0
							FS	FS	FS	FS	FS	FS	DUP
COBALT	UG/L	D		1.41E+08	6.76E+05	257		138	158	316	274		
COBALT	UG/L	T				248		151	155	316	280		
COPPER	UG/L	D		1.58E+10	2.68E+05	2520		9 J	21.4 B	611	505		
COPPER	UG/L	T				2470		14	37.9 B	927	598		
FERROUS IRON	UG/L	T							3600 J				
IRON	UG/L	D		2.77E+11	2.94E+07	88700		128 J	3240	125 J	91.1 J		
IRON	UG/L	T				84200		526	2150	714	176 J		
LEAD	UG/L	D			4.71E+05	2		0.24 J	1.3	7	1.3		
LEAD	UG/L	T				1.8		1.4	2.6	23.2	1.7		
MAGNESIUM	UG/L	D						112000	125000				
MAGNESIUM	UG/L	T						112000	120000				
MANGANESE	UG/L	D		5.53E+10	3.38E+07	20000		4840	4700	6480	5290		
MANGANESE	UG/L	T				20300		4820	4180	5800	5470		
MERCURY	UG/L	D		1.19E+08	3.53E+02	0.08 J		ND (0.056)	ND (0.056)				
MERCURY	UG/L	T				0.32		ND (0.056)	ND (0.056)				
NICKEL	UG/L	D		1.00E+10	3.59E+06	694		116	134	246	232		
NICKEL	UG/L	T				672		126	143	289	235		
POTASSIUM	UG/L	D						6430	3390				
POTASSIUM	UG/L	T						6050	3210				
SELENIUM	UG/L	D		1.98E+09	1.47E+05			ND (9.4)	ND (9.4)				
SELENIUM	UG/L	T						ND (9.4)	ND (9.4)				
SILVER	UG/L	D		2.21E+09	2.65E+05			ND (1.6)	ND (1.6)				
SILVER	UG/L	T						ND (1.6)	ND (1.6)				
SODIUM	UG/L	D						236000	286000				
SODIUM	UG/L	T						239000	335000				
THALLIUM	UG/L	D		3.95E+06	1.18E+06			0.079 J	0.044 J				
THALLIUM	UG/L	T						0.077 J	0.045 J				
TITANIUM	UG/L	D						ND (2.8)	ND (2.8)				
TITANIUM	UG/L	T						12.5	ND (2.8)				
VANADIUM	UG/L	D		2.77E+07	5.88E+05			ND (1.5)	ND (1.5)				
VANADIUM	UG/L	T						ND (1.5)	ND (1.5)				
ZINC	UG/L	D		1.33E+11	2.41E+06	1480		168	146	635	514		
ZINC	UG/L	T				1480		200	164	927	542		
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T						63400	64100				
AMMONIA	UG/L	T		1.34E+13					ND (200)				
CHLORIDE	UG/L	T							676000				
CYANIDE	UG/L	T		8.45E+09	1.53E+05			ND (5)	ND (5)				
FERRIC IRON	UG/L	T							ND (80)				
NITRATE	UG/L	T		6.32E+11					ND (40)				
NITRITE	UG/L	T		3.95E+10					ND (15)				
PHOSPHORUS	UG/L	T						ND (250)	ND (250)				
SILICA	UG/L	T							63200 J				
SULFATE	UG/L	T							493000				
SULFIDE	UG/L	T						ND (54)	ND (54)				
TOTAL DISSOLVED SOLIDS	UG/L	T											
TOTAL HARDNESS AS CaCO3	UG/L	T						994000 J	897000 J				
TOTAL ORGANIC CARBON	UG/L	T						2400	3400				
TOTAL SUSPENDED SOLIDS	UG/L	T				ND (3000)			32800	3600 J	ND (3000)		
COLOR QUALITATIVE (FIELD)	NS	T				NS	Clear		clr	NS	NS		
DEPTH TO WATER FROM TOC	Feet	T											
DISSOLVED OXYGEN (FIELD)	UG/L	T				80	3750		740	7840	1790		
ODOR (FIELD)	NS	T				NS	No		no	NS	NS		
OVABZONE	PPM	T				NS	NR			NS	NS		
OVACASING	PPM	T				NS	NR			NS	NS		
REDOX (FIELD)	MV	T											
TOTAL WELL DEPTH	Feet	T				NS				NS	NS		
TURBIDITY QUANTITATIVE (FIELD)	NTU	T											
HPCDFS	UG/L	T							ND (0.00000124) U				
TOTAL HPCDDS	UG/L	T											

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-23	MW-23	MW-23	MW-23	MW-23	MW-3	MW-3	MW-3	
			Human Health				Ecological (DF=29,412)	5/24/10	5/24/10	5/24/10	8/17/10	8/17/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05										
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06										
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05										
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04										
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05										
ACETONE	UG/L	T		4.08E+11	4.41E+07										
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07										
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04										
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04										
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04										
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05										
ETHYL CHLORIDE	UG/L	T													
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06										
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06										
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08										
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06										
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06										
TOLUENE	UG/L	T		3.52E+09	5.88E+04										
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05										
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05										
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07										
XYLENES	UG/L	T		5.98E+09	3.82E+05										
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07										
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05										
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09											
ACENAPHTHENE	UG/L	T		1.01E+09											
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02										
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02										
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05										
CARBAZOLE	UG/L	T		5.29E+08											
CHRYSENE	UG/L	T	9.83E+01		1.18E+02										
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05										
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05										
FLUORENE	UG/L	T		5.29E+08	8.82E+04										
HEXACHLOROETHANE	UG/L	T			8.82E+00										
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04										
PHENANTHRENE	UG/L	T			1.18E+04										
1,2,3,4,6,7,8-HPCDD	UG/L	T				ND (0.000001643077)				ND (0.000000993)	ND (0.00000157)	0.00000117 J	ND (0.000001870557)		
1,2,3,4,6,7,8-HPCDF	UG/L	T				ND (0.0000009960532)				ND (0.000000646)	ND (0.00000108)	ND (0.000000504)	ND (0.000001178797)		
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.000001176407)				ND (0.000000787)	ND (0.00000124)	ND (0.000000665)	ND (0.000001364711)		
1,2,3,4,7,8-HXCDD	UG/L	T				ND (0.0000008774315)				ND (0.000000984)	ND (0.00000133)	ND (0.00000105)	ND (0.000001469866)		
1,2,3,4,7,8-HXCDF	UG/L	T				ND (0.0000005368485)				ND (0.000000549)	ND (0.000000816)	ND (0.000000366)	ND (0.000001040082)		
1,2,3,6,7,8-HXCDD	UG/L	T				ND (0.0000008457875)				ND (0.000000908)	ND (0.00000128)	ND (0.00000111)	ND (0.000001516079)		
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000531278)				ND (0.000000527)	ND (0.000000847)	ND (0.000000337)	ND (0.0000009254543)		
1,2,3,7,8,9-HXCDD	UG/L	T				ND (0.0000009064814)				ND (0.00000103)	ND (0.00000149)	ND (0.00000127)	ND (0.000001695617)		
1,2,3,7,8,9-HXCDF	UG/L	T				ND (0.0000006751776)				ND (0.000000689)	ND (0.00000105)	ND (0.000000504)	ND (0.000001303275)		
1,2,3,7,8-PECDF	UG/L	T				ND (0.0000003513628)				ND (0.000000575)	ND (0.00000078)	ND (0.000000705)	ND (0.000001098644)		
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.0000005656462)				ND (0.000000576)	ND (0.000000852)	ND (0.000000341)	ND (0.000001006582)		
2,3,4,7,8-PECDF	UG/L	T				ND (0.0000003710349)				ND (0.000000601)	ND (0.000000797)	ND (0.000000599)	ND (0.000001078201)		
2,3,7,8-TCDD	UG/L	T				ND (0.0000006534406)				ND (0.000000864)	ND (0.00000134)	ND (0.000000977)	ND (0.000001715218)		
2,3,7,8-TCDF	UG/L	T				ND (0.0000004496215)				ND (0.000000662)	ND (0.00000101)	ND (0.000000479)	ND (0.000001088378)		
HPCDDS	UG/L	T										0.00000252			
HXCDDS	UG/L	T										ND (0.00000115)			
HXCDFS	UG/L	T										ND (0.000000379)			
OCDD	UG/L	T				0.0000475 J				ND (0.00000208)	ND (0.00000303)	0.0000107 EMPC J	ND (0.000003466149)		
OCDF	UG/L	T				0.0000477 J				ND (0.00000124)	ND (0.00000204)	ND (0.00000231)	ND (0.000003148138)		
TCDDS	UG/L	T				ND (0.0000006534406)				ND (0.000000864)	ND (0.00000134)	0.00000568	ND (0.000001715218)		

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-23	MW-23	MW-23	MW-23	MW-23	MW-3	MW-3	MW-3	
			Human Health				Ecological (DF=29,412)	5/24/10	5/24/10	5/24/10	8/17/10	8/17/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T				ND (0.000004496215)			ND (0.00000662)	ND (0.0000101)	ND (0.00000479)		ND (0.00001088378)		
TOTAL HPCDD	UG/L	T				ND (0.00001643077)			ND (0.00000993)	ND (0.0000157)			ND (0.00001870557)		
TOTAL HPCDF	UG/L	T				ND (0.00001079075)			ND (0.0000071)	ND (0.0000115)			ND (0.00001268051)		
TOTAL HXCDD	UG/L	T				ND (0.000008743866)			ND (0.0000097)	ND (0.0000136)			ND (0.00001557468)		
TOTAL HXCDF	UG/L	T				ND (0.000005736979)			ND (0.00000581)	ND (0.00000885)			ND (0.0000105624)		
TOTAL PECDD	UG/L	T				ND (0.000005876614)			ND (0.00000877)	ND (0.0000104)			ND (0.00001391033)		
TOTAL PECDDS	UG/L	T									ND (0.00000312)				
TOTAL PECDF	UG/L	T				ND (0.000003609711)			ND (0.00000588)	ND (0.00000788)			ND (0.00001088709)		
TOTAL PECDFS	UG/L	T									ND (0.0000065)				
PCB 1	UG/L	D													
PCB 1	UG/L	T				0.0000722 J			0.0000968	0.000092	ND (0.00000732)		0.0000639 B		
PCB 10	UG/L	T				ND (0.0000225)			ND (0.0000582)	ND (0.0000415)	ND (0.00000414)		ND (0.0000497)		
PCB 103	UG/L	T				ND (0.0000558)			ND (0.0000192)	ND (0.0000169)	ND (0.00000879)		ND (0.0000181)		
PCB 105	UG/L	T				ND (0.0000588)			ND (0.0000212)	ND (0.0000184)	ND (0.00000853)		ND (0.0000175)		
PCB 109	UG/L	T				ND (0.0000431)			ND (0.0000169)	ND (0.0000149)	ND (0.00000778)		ND (0.0000133)		
PCB 11	UG/L	T				0.0000632 B			0.000029 J	0.000028	0.0000104 B		0.0000116 B		
PCB 110	UG/L	T				0.0000272 EMPC			0.0000482 J	0.0000405 J	0.0000235 B		ND (0.0000151)		
PCB 114	UG/L	T				ND (0.000055)			ND (0.0000202)	ND (0.0000176)	ND (0.00000868)		ND (0.0000164)		
PCB 117	UG/L	T				ND (0.0000506)			ND (0.000018)	ND (0.0000159)	ND (0.0000091)		ND (0.0000172)		
PCB 118	UG/L	T				0.000021			0.0000371 J	0.0000416 J	0.0000233 B		0.0000277 J		
PCB 123	UG/L	T				ND (0.0000586)			ND (0.0000208)	ND (0.0000183)	ND (0.00000886)		ND (0.0000173)		
PCB 130	UG/L	T				ND (0.0000683)			ND (0.0000225)	ND (0.0000219)	ND (0.0000123)		ND (0.0000231)		
PCB 131	UG/L	T				ND (0.0000598)			ND (0.0000187)	ND (0.0000182)	ND (0.0000108)		ND (0.0000201)		
PCB 132	UG/L	T				ND (0.0000585)			ND (0.0000185)	ND (0.000018)	ND (0.0000105)		ND (0.0000201)		
PCB 133	UG/L	T				ND (0.000066)			ND (0.0000207)	ND (0.0000201)	ND (0.0000116)		ND (0.0000222)		
PCB 134	UG/L	T				ND (0.0000749)			ND (0.0000236)	ND (0.0000229)	ND (0.0000131)		ND (0.0000244)		
PCB 136	UG/L	T				ND (0.0000485)			ND (0.0000188)	ND (0.0000192)	ND (0.00000863)		ND (0.0000128)		
PCB 137	UG/L	T				ND (0.000073)			ND (0.0000216)	ND (0.000021)	ND (0.00000878)		ND (0.000022)		
PCB 141	UG/L	T				ND (0.000055)			ND (0.0000178)	ND (0.0000172)	ND (0.0000103)		ND (0.0000186)		
PCB 144	UG/L	T				ND (0.0000575)			ND (0.0000181)	ND (0.0000176)	ND (0.0000103)		ND (0.0000199)		
PCB 146	UG/L	T				ND (0.0000518)			ND (0.0000161)	ND (0.0000156)	ND (0.00000849)		ND (0.0000174)		
PCB 148	UG/L	T				ND (0.0000656)			ND (0.0000207)	ND (0.0000201)	ND (0.0000093)		ND (0.0000233)		
PCB 15	UG/L	T				ND (0.0000271)			0.0000427 J	0.0000377 J	0.0000153 B		0.000035 J		
PCB 150	UG/L	T				ND (0.0000503)			ND (0.0000197)	ND (0.0000201)	ND (0.00000738)		ND (0.0000138)		
PCB 154	UG/L	T				ND (0.0000532)			ND (0.0000164)	ND (0.0000159)	ND (0.00000958)		ND (0.0000182)		
PCB 156	UG/L	T													
PCB 157	UG/L	T													
PCB 158	UG/L	T				ND (0.0000422)			ND (0.0000142)	ND (0.0000138)	ND (0.00000817)		ND (0.0000145)		
PCB 159	UG/L	T				ND (0.0000462)			ND (0.0000201)	ND (0.0000172)	ND (0.00000898)		ND (0.0000165)		
PCB 16	UG/L	T				0.0000111			0.0000555 J	0.0000522 J	ND (0.0000106)		0.0000192 EMPC		
PCB 160	UG/L	T				ND (0.0000536)			ND (0.0000189)	ND (0.0000183)	ND (0.00000835)		ND (0.0000183)		
PCB 162	UG/L	T				ND (0.0000524)			ND (0.0000229)	ND (0.0000196)	ND (0.00000835)		ND (0.0000192)		
PCB 164	UG/L	T				ND (0.0000396)			ND (0.0000132)	ND (0.0000128)	ND (0.00000811)		ND (0.0000139)		
PCB 167	UG/L	T				ND (0.0000537)			ND (0.0000236)	ND (0.0000202)	ND (0.00000954)		ND (0.0000194)		
PCB 169	UG/L	T				ND (0.0000565)			ND (0.0000275)	ND (0.0000237)	ND (0.0000114)		ND (0.0000208)		
PCB 17	UG/L	T				ND (0.0000591)			0.0000464 J	0.0000412 J	ND (0.00000939)		ND (0.0000204)		
PCB 170	UG/L	T				ND (0.0000892)			ND (0.0000316)	ND (0.0000253)	ND (0.000015)		ND (0.0000171)		
PCB 172	UG/L	T				ND (0.0000883)			ND (0.0000281)	ND (0.0000221)	ND (0.0000144)		ND (0.0000231)		
PCB 174	UG/L	T				ND (0.0000792)			ND (0.0000264)	ND (0.0000208)	ND (0.0000123)		ND (0.0000218)		
PCB 175	UG/L	T				ND (0.0000841)			ND (0.0000289)	ND (0.0000228)	ND (0.0000139)		ND (0.0000242)		
PCB 176	UG/L	T				ND (0.0000591)			ND (0.0000172)	ND (0.0000153)	ND (0.00000746)		ND (0.0000175)		
PCB 177	UG/L	T				ND (0.0000852)			ND (0.0000288)	ND (0.0000227)	ND (0.0000129)		ND (0.0000234)		
PCB 178	UG/L	T				ND (0.0000677)			ND (0.0000204)	ND (0.0000181)	ND (0.0000113)		ND (0.00002)		
PCB 179	UG/L	T				ND (0.0000538)			ND (0.0000152)	ND (0.0000135)	ND (0.00000803)		ND (0.0000155)		
PCB 183	UG/L	T				ND (0.0000748)			ND (0.000024)	ND (0.0000189)	ND (0.000012)		ND (0.0000205)		
PCB 185	UG/L	T				ND (0.00001)			ND (0.0000317)	ND (0.000025)	ND (0.0000122)		ND (0.0000269)		
PCB 187	UG/L	T				ND (0.0000739)			ND (0.0000253)	ND (0.00002)	ND (0.0000115)		ND (0.0000208)		
PCB 189	UG/L	T				ND (0.0000394)			ND (0.000019)	ND (0.0000181)	ND (0.0000109)		ND (0.0000164)		
PCB 19	UG/L	T				ND (0.0000742)			0.0000403 J	0.0000492 J	ND (0.00000927)		ND (0.0000256)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-23	MW-23	MW-23	MW-23	MW-23	MW-3	MW-3	MW-3	
			Human Health				Duplicate	5/24/10	5/24/10	5/24/10	8/17/10	8/17/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
PCB 190	UG/L	T				ND (0.00000667)				ND (0.00000256)	ND (0.00000206)	ND (0.00000122)	ND (0.00000127)		
PCB 191	UG/L	T				ND (0.00000694)				ND (0.0000024)	ND (0.00000189)	ND (0.00000119)	ND (0.00000188)		
PCB 194	UG/L	T				ND (0.00000563)				ND (0.00000307)	ND (0.00000283)	ND (0.00000128)	ND (0.00000252)		
PCB 195	UG/L	T				ND (0.00000607)				ND (0.00000313)	ND (0.00000288)	ND (0.00000133)	ND (0.00000261)		
PCB 196	UG/L	T				ND (0.00000608)				ND (0.00000217)	ND (0.00000212)	ND (0.00000133)	ND (0.00000205)		
PCB 197	UG/L	T				ND (0.00000448)				ND (0.00000148)	ND (0.00000145)	ND (0.000000991)	ND (0.00000151)		
PCB 2	UG/L	T				ND (0.00000448)				0.0000101	0.00000898 J	ND (0.000000701)	0.00000444 B		
PCB 200	UG/L	T				ND (0.00000565)				ND (0.00000186)	ND (0.00000182)	ND (0.00000119)	ND (0.00000173)		
PCB 201	UG/L	T				ND (0.00000523)				ND (0.00000172)	ND (0.00000168)	ND (0.0000011)	ND (0.00000165)		
PCB 202	UG/L	T				ND (0.0000062)				ND (0.00000191)	ND (0.00000187)	ND (0.00000125)	ND (0.00000193)		
PCB 203	UG/L	T				ND (0.00000585)				ND (0.00000206)	ND (0.00000202)	ND (0.00000116)	ND (0.00000192)		
PCB 205	UG/L	T				ND (0.00000545)				ND (0.00000288)	ND (0.00000265)	ND (0.00000114)	ND (0.00000241)		
PCB 206	UG/L	T				ND (0.0000172)				ND (0.00000368)	ND (0.00000334)	ND (0.00000284)	ND (0.00000689)		
PCB 207	UG/L	T				ND (0.0000113)				ND (0.00000242)	ND (0.00000202)	ND (0.00000198)	ND (0.00000513)		
PCB 208	UG/L	T				ND (0.0000138)				ND (0.00000286)	ND (0.00000239)	ND (0.00000214)	ND (0.00000613)		
PCB 209	UG/L	T				0.00142				0.0000232	0.0000171	ND (0.00000136)	ND (0.00000346)		
PCB 22	UG/L	T				ND (0.00000689)				ND (0.00000182)	0.00000165 J	0.000000891 B	0.00000151 B		
PCB 23	UG/L	T				ND (0.00000843)				ND (0.00000219)	ND (0.00000155)	ND (0.000000804)	ND (0.00000025)		
PCB 25	UG/L	T				ND (0.00000628)				ND (0.00000164)	ND (0.00000116)	ND (0.000000715)	ND (0.00000185)		
PCB 27	UG/L	T				ND (0.0000047)				ND (0.00000156)	ND (0.00000168)	ND (0.000000793)	ND (0.00000165)		
PCB 3	UG/L	T				ND (0.00000539)				0.0000075 J	0.00000631 J	ND (0.000000745)	0.00000281 J		
PCB 31	UG/L	T				ND (0.00000646)				0.00000483 J	0.00000446 J	0.00000143 B	0.00000387 J		
PCB 32	UG/L	T				0.00000515 J				0.00000465 J	0.00000443 J	ND (0.000000703)	0.00000287 B		
PCB 34	UG/L	T				ND (0.00000738)				ND (0.000002)	ND (0.00000141)	ND (0.000000892)	ND (0.00000221)		
PCB 35	UG/L	T				ND (0.00000769)				ND (0.00000222)	ND (0.00000157)	ND (0.000000991)	ND (0.0000022)		
PCB 37	UG/L	T				ND (0.00000839)				ND (0.00000235)	ND (0.00000166)	ND (0.000000913)	ND (0.00000233)		
PCB 38	UG/L	T				ND (0.0000083)				ND (0.00000221)	ND (0.00000157)	ND (0.000000982)	ND (0.00000231)		
PCB 39	UG/L	T				ND (0.00000778)				ND (0.00000214)	0.00000163 J	0.000000753 EMPC	ND (0.00000223)		
PCB 4	UG/L	D													
PCB 4	UG/L	T				ND (0.0000401)				0.0000169 J	0.0000169	0.00000103 B	ND (0.00000856)		
PCB 41	UG/L	T				ND (0.00000758)				ND (0.00000227)	ND (0.00000221)	ND (0.00000136)	ND (0.00000253)		
PCB 42	UG/L	T				ND (0.00000704)				ND (0.00000236)	ND (0.0000023)	ND (0.00000134)	ND (0.00000026)		
PCB 43	UG/L	T				ND (0.00000711)				ND (0.00000245)	ND (0.00000239)	ND (0.00000144)	ND (0.00000277)		
PCB 45	UG/L	T				ND (0.00000604)				ND (0.00000233)	ND (0.00000227)	ND (0.0000012)	ND (0.00000262)		
PCB 46	UG/L	T				ND (0.00000713)				ND (0.00000238)	ND (0.00000231)	ND (0.00000133)	ND (0.00000265)		
PCB 48	UG/L	T				ND (0.00000589)				ND (0.00000201)	ND (0.00000196)	ND (0.00000115)	ND (0.00000223)		
PCB 5	UG/L	T				ND (0.0000227)				ND (0.0000063)	ND (0.00000512)	ND (0.000000668)	ND (0.00000469)		
PCB 51	UG/L	T				ND (0.00000686)				0.0000251	0.0000297	ND (0.00000124)	ND (0.00000232)		
PCB 52	UG/L	T				0.0000236 EMPC				0.0000153	0.0000153	0.0000023 B	0.0000157 B		
PCB 54	UG/L	T				ND (0.00000592)				ND (0.00000199)	ND (0.00000136)	ND (0.000000833)	ND (0.00000134)		
PCB 56	UG/L	T				ND (0.00000594)				ND (0.00000127)	ND (0.0000013)	ND (0.000001)	ND (0.00000234)		
PCB 57	UG/L	T				ND (0.00000695)				ND (0.00000142)	ND (0.00000145)	ND (0.00000124)	ND (0.00000274)		
PCB 6	UG/L	T				ND (0.0000223)				ND (0.00000609)	0.00000201 J	ND (0.000000593)	0.00000157 J		
PCB 60	UG/L	T				ND (0.00000604)				ND (0.00000123)	ND (0.00000127)	ND (0.00000107)	ND (0.00000231)		
PCB 63	UG/L	T				ND (0.00000672)				ND (0.00000134)	ND (0.00000138)	ND (0.000000891)	ND (0.00000254)		
PCB 64	UG/L	T				ND (0.00000499)				0.00000265 J	0.00000208 J	ND (0.000000801)	0.00000278 J		
PCB 66	UG/L	T				ND (0.00000597)				0.0000026 J	0.00000245 J	0.00000155 B	ND (0.00000228)		
PCB 67	UG/L	T				ND (0.00000567)				ND (0.00000116)	ND (0.00000119)	ND (0.000000899)	ND (0.00000219)		
PCB 68	UG/L	T				ND (0.00000663)				0.0000236	0.0000274	ND (0.000000934)	ND (0.00000256)		
PCB 7	UG/L	T				ND (0.0000221)				ND (0.0000059)	0.00000258 J	ND (0.000000634)	ND (0.00000441)		
PCB 72	UG/L	T				ND (0.00000595)				ND (0.00000121)	ND (0.00000124)	ND (0.00000106)	ND (0.00000236)		
PCB 77	UG/L	T				ND (0.0000064)				ND (0.00000166)	ND (0.00000175)	ND (0.00000122)	ND (0.00000027)		
PCB 8	UG/L	T				ND (0.000022)				0.00000945 J	0.00000996 J	0.00000194 B	0.00000534 J		
PCB 82	UG/L	T				ND (0.00000763)				ND (0.00000264)	ND (0.00000233)	ND (0.00000112)	ND (0.00000232)		
PCB 83	UG/L	T				ND (0.00000762)				ND (0.00000275)	ND (0.00000242)	ND (0.00000117)	ND (0.00000236)		
PCB 84	UG/L	T				ND (0.0000071)				ND (0.0000024)	0.00000212 J	ND (0.00000111)	ND (0.00000214)		
PCB 88	UG/L	T				ND (0.00000884)				ND (0.0000027)	ND (0.00000238)	ND (0.00000101)	ND (0.00000298)		
PCB 9	UG/L	T				ND (0.0000222)				ND (0.00000607)	0.00000178 J	ND (0.000000562)	ND (0.00000453)		
PCB 91	UG/L	T				ND (0.00000659)				ND (0.00000243)	ND (0.00000214)	ND (0.000000856)	ND (0.00000198)		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-23	MW-23	MW-23	MW-23	MW-23	MW-3	MW-3	MW-3	
			Human Health				Duplicate	5/24/10	5/24/10	5/24/10	8/17/10	8/17/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
PCB 92	UG/L	T				ND (0.00000706)				ND (0.00000238)	ND (0.0000021)	ND (0.00000109)	ND (0.00000221)		
PCB 95	UG/L	T				0.0000298 EMPC				0.00000926 J	0.00000819 J	ND (0.00000933)	0.0000102 B		
PCB 96	UG/L	T				ND (0.00000478)				ND (0.00000186)	ND (0.00000167)	ND (0.00000705)	ND (0.00000126)		
PCB 99	UG/L	T				ND (0.00000538)				ND (0.0000018)	ND (0.00000159)	ND (0.000000841)	ND (0.00000166)		
PCB-106/118	UG/L	T													
PCB-107/124	UG/L	T				ND (0.00000517)				ND (0.00000185)	ND (0.00000163)	ND (0.000000905)	ND (0.00000155)		
PCB-108/119/86/97/125/87	UG/L	T				ND (0.00000607)				ND (0.00000211)	0.0000042 J	ND (0.000000909)	ND (0.00000185)		
PCB-113/90/101	UG/L	T				0.0000289				0.00000661 J	0.00000626 J	0.00000258 B	0.00000908 J		
PCB-116/85	UG/L	T				ND (0.00000695)				ND (0.00000243)	ND (0.00000215)	ND (0.000000874)	ND (0.000002)		
PCB-128/166	UG/L	T				ND (0.00000527)				ND (0.00000229)	ND (0.00000196)	ND (0.00000103)	ND (0.00000196)		
PCB-13/12	UG/L	T				ND (0.0000026)				ND (0.00000731)	ND (0.00000594)	ND (0.000000696)	ND (0.00000517)		
PCB-139/140	UG/L	T				ND (0.00000633)				ND (0.000002)	ND (0.00000194)	ND (0.00000101)	ND (0.00000214)		
PCB-147/149	UG/L	T				0.000015 EMPC				ND (0.00000164)	ND (0.00000159)	0.00000157 B	ND (0.00000181)		
PCB-151/135	UG/L	T				ND (0.0000057)				ND (0.0000018)	ND (0.00000175)	ND (0.00000103)	ND (0.00000199)		
PCB-153/168	UG/L	T				0.0000156				ND (0.00000157)	ND (0.00000153)	0.00000173 B	ND (0.00000162)		
PCB-156/157	UG/L	T				ND (0.00000683)				ND (0.00000326)	ND (0.00000273)	ND (0.0000013)	ND (0.00000263)		
PCB-163/138/129	UG/L	T				0.0000198 EMPC				ND (0.00000179)	ND (0.00000174)	0.00000272 B	ND (0.00000185)		
PCB-171/173	UG/L	T				ND (0.00000884)				ND (0.00000294)	ND (0.00000232)	ND (0.00000139)	ND (0.00000239)		
PCB-180/193	UG/L	D													
PCB-180/193	UG/L	T				ND (0.00000701)				ND (0.00000232)	ND (0.00000183)	ND (0.00000113)	ND (0.00000188)		
PCB-198/199	UG/L	T				ND (0.00000662)				ND (0.00000233)	ND (0.00000227)	ND (0.00000131)	ND (0.00000212)		
PCB-21/33	UG/L	T				ND (0.00000796)				0.00000359 J	0.00000373 J	0.00000128 B	0.00000209 EMPC		
PCB-26/29	UG/L	T				ND (0.00000681)				ND (0.00000186)	ND (0.00000132)	ND (0.000000843)	ND (0.00000202)		
PCB-28/20	UG/L	T				0.00000933 B				0.00000814 J	0.00000804 J	0.00000247 B	0.00000716 B		
PCB-30/18	UG/L	T				0.0000173 B				0.0000126	0.0000147	0.00000208 B	0.00000659 B		
PCB-44/47/65	UG/L	T				0.0000142				0.0000252	0.0000258	0.00000493 B	0.00000931 B		
PCB-50/53	UG/L	T				ND (0.00000642)				ND (0.00000217)	0.00000296 J	ND (0.00000123)	0.00000438 J		
PCB-59/62/75	UG/L	T				ND (0.00000511)				ND (0.00000177)	ND (0.00000173)	ND (0.000000891)	ND (0.00000194)		
PCB-61/70/74/76	UG/L	T				0.0000193				0.00000748 J	0.00000596 J	0.00000314 B	0.0000079 J		
PCB-69/49	UG/L	T				0.0000096 J				0.00000482 J	0.00000368 J	0.00000124 B	0.00000473 B		
PCB-71/40	UG/L	T				ND (0.00000579)				ND (0.00000209)	ND (0.00000204)	ND (0.0000011)	ND (0.00000217)		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000632 B				0.0000596	0.0000649	0.0000149 B	0.000022 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000068)				ND (0.00000228)	ND (0.00000192)	ND (0.00000121)	ND (0.00000203)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000504 EMPC				ND (0.00000252)	ND (0.00000222)	0.00000602 B	ND (0.00000199)		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000722				0.000114	0.000107	ND (0.000000738)	0.0000136 B		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.0000155)				ND (0.00000327)	ND (0.00000287)	ND (0.00000249)	ND (0.00000651)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				ND (0.00000582)				ND (0.00000239)	ND (0.00000226)	ND (0.00000119)	ND (0.00000217)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02										
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000107 EMPC				0.0000244	0.000029 EMPC	0.00000726 B	0.0000221 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000668 EMPC				0.000107	0.000115 EMPC	0.0000132 B	0.0000448 B		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000428 B				0.000048	0.0000529 EMPC	0.00000891 B	0.000026 B		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06		1200	1310	1500	1570		ND (401)			
ALUMINUM	UG/L	T					1080	1220	1490	1420		4650 J			
ANTIMONY	UG/L	D		1.58E+08	8.82E+05							ND (48.5)	34.9		
ANTIMONY	UG/L	T										ND (48.5)	50.1 J		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06							1.5 J	ND (36)		
ARSENIC	UG/L	T										4.4	ND (9.5)		
BARIUM	UG/L	D		7.90E+10	1.18E+05								ND (0.95)		
BARIUM	UG/L	T					19.7	18.5	20.7	21.2		595			
BARIUM	UG/L	T					23.5	23.8	21	21.4		1950			
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04										
BERYLLIUM	UG/L	T					2 J	2.1 J	2.6 J	2.8 J		0.31 J			
BERYLLIUM	UG/L	T					1.8 J	1.9 J	2.7 J	2.5 J		1.9 J			
CADMIUM	UG/L	D		1.98E+08	2.65E+04										
CADMIUM	UG/L	T					ND (2)	ND (2)	ND (2)	ND (2)		17.9 J			
CADMIUM	UG/L	T					ND (2)	ND (2)	ND (2)	ND (2)		24.3 J			
CALCIUM	UG/L	D										710000			
CALCIUM	UG/L	T										707000			
CHROMIUM	UG/L	D		4.76E+06								ND (3)			
CHROMIUM	UG/L	T										12.2 J			

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date Top (ft) Bottom (ft) Duplicate	MW-23	MW-23	MW-23	MW-23	MW-23	MW-3	MW-3	MW-3
			Human Health				5/24/10	5/24/10	5/24/10	8/17/10	8/17/10	5/27/09	10/20/09	4/14/10
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		0	0	0	0	0	0	0	0
							0	0	0	0	0	0	0	0
COBALT	UG/L	D		1.41E+08	6.76E+05									
COBALT	UG/L	T												
COPPER	UG/L	D		1.58E+10	2.68E+05									
COPPER	UG/L	T												
FERROUS IRON	UG/L	T												
IRON	UG/L	D		2.77E+11	2.94E+07									
IRON	UG/L	T												
LEAD	UG/L	D			4.71E+05									
LEAD	UG/L	T												
MAGNESIUM	UG/L	D												
MAGNESIUM	UG/L	T												
MANGANESE	UG/L	D		5.53E+10	3.38E+07									
MANGANESE	UG/L	T												
MERCURY	UG/L	D		1.19E+08	3.53E+02									
MERCURY	UG/L	T												
NICKEL	UG/L	D		1.00E+10	3.59E+06									
NICKEL	UG/L	T												
POTASSIUM	UG/L	D												
POTASSIUM	UG/L	T												
SELENIUM	UG/L	D		1.98E+09	1.47E+05									
SELENIUM	UG/L	T												
SILVER	UG/L	D		2.21E+09	2.65E+05									
SILVER	UG/L	T												
SODIUM	UG/L	D												
SODIUM	UG/L	T												
THALLIUM	UG/L	D		3.95E+06	1.18E+06									
THALLIUM	UG/L	T												
TITANIUM	UG/L	D												
TITANIUM	UG/L	T												
VANADIUM	UG/L	D		2.77E+07	5.88E+05									
VANADIUM	UG/L	T												
ZINC	UG/L	D		1.33E+11	2.41E+06									
ZINC	UG/L	T												
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T												
AMMONIA	UG/L	T		1.34E+13										
CHLORIDE	UG/L	T												
CYANIDE	UG/L	T		8.45E+09	1.53E+05									
FERRIC IRON	UG/L	T												
NITRATE	UG/L	T		6.32E+11										
NITRITE	UG/L	T		3.95E+10										
PHOSPHORUS	UG/L	T												
SILICA	UG/L	T												
SULFATE	UG/L	T												
SULFIDE	UG/L	T												
TOTAL DISSOLVED SOLIDS	UG/L	T												
TOTAL HARDNESS AS CaCO3	UG/L	T												
TOTAL ORGANIC CARBON	UG/L	T												
TOTAL SUSPENDED SOLIDS	UG/L	T												
COLOR QUALITATIVE (FIELD)	NS	T												
DEPTH TO WATER FROM TOC	Feet	T												
DISSOLVED OXYGEN (FIELD)	UG/L	T												
ODOR (FIELD)	NS	T												
OVABZONE	PPM	T												
OVACASING	PPM	T												
REDOX (FIELD)	MV	T												
TOTAL WELL DEPTH	Feet	T												
TURBIDITY QUANTITATIVE (FIELD)	NTU	T												
HPCDFS	UG/L	T												
TOTAL HPCDDS	UG/L	T												

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5	
			Human Health				10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0	0	0
			Bottom (ft)	0	0		0	0	0	0	0	0	0	0	0	
			Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS			
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05								ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06								ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05								ND (0.8)	ND (0.8)		
1,2-DICHLOROETHENE	UG/L	T		2.83E+09	2.06E+04								ND (1)	ND (1) R		
1,4-DICHLOROETHENE	UG/L	T	9.11E+02	2.17E+09	7.65E+05								ND (1)	ND (1) R		
ACETONE	UG/L	T		4.08E+11	4.41E+07								ND (6)	ND (6)		
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07								ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04								ND (1)	ND (1)		
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04								ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04								ND (0.8)	ND (0.8)		
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05								ND (0.8)	ND (0.8)		
ETHYL CHLORIDE	UG/L	T											ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06								ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06								ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08								ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06								ND (2)	ND (2)		
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06								ND (0.8)	ND (0.8)		
TOLUENE	UG/L	T		3.52E+09	5.88E+04								ND (0.7)	ND (0.7)		
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05								ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05								ND (1)	ND (1)		
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07								ND (1)	ND (1)		
XYLENES	UG/L	T		5.98E+09	3.82E+05								ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07								ND (3) R	ND (3)		
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05								ND (1)	ND (1) R		
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09									ND (1) R	ND (1)		
ACENAPHTHENE	UG/L	T		1.01E+09									ND (0.49)	ND (0.51) R		
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02								ND (0.02)	ND (0.02) R		
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02								ND (0.0098)	ND (0.01) R		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05								ND (2)	ND (2) R		
CARBAZOLE	UG/L	T		5.29E+08									ND (1)	ND (1) R		
CHRYSENE	UG/L	T	9.83E+01		1.18E+02								ND (0.039)	ND (0.04) R		
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05								ND (1)	ND (1) R		
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05								ND (2)	ND (2) R		
FLUORENE	UG/L	T		5.29E+08	8.82E+04								ND (0.098)	ND (0.1) R		
HEXACHLOROETHYLENE	UG/L	T			8.82E+00	ND (1)	ND (1) R	ND (1) R	ND (1) UJ	ND (1)	ND (1)	ND (1)	ND (1)	ND (1) R		
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04								ND (0.98)	ND (1)		
PHENANTHRENE	UG/L	T			1.18E+04								ND (0.039)	ND (0.04) R		
1,2,3,4,6,7,8-HPCDD	UG/L	T						ND (0.00000159)	ND (0.00000221)		ND (0.0000007675012)	0.000004 B	0.000000897 J			
1,2,3,4,6,7,8-HPCDF	UG/L	T						ND (0.000000829)	ND (0.00000084)		ND (0.0000005109369)	0.00000337 B	ND (0.000000446)			
1,2,3,4,7,8,9-HPCDF	UG/L	T						ND (0.00000141)	ND (0.00000114)		ND (0.0000006248738)	ND (0.000000569)	ND (0.000000606)			
1,2,3,4,7,8-HXCDD	UG/L	T						ND (0.00000128)	ND (0.00000161)		ND (0.0000007745575)	ND (0.000000647)	ND (0.00000132)			
1,2,3,4,7,8-HXCDF	UG/L	T						ND (0.000000567)	ND (0.000000661)		ND (0.0000004491968)	0.000000834 J	ND (0.000000639)			
1,2,3,6,7,8-HXCDD	UG/L	T						ND (0.00000136)	ND (0.00000189)		ND (0.0000008757549)	0.000000572 EMPC J	ND (0.00000136)			
1,2,3,6,7,8-HXCDF	UG/L	T						ND (0.000000569)	ND (0.000000565)		ND (0.0000004347543)	0.00000101 J	ND (0.000000552)			
1,2,3,7,8,9-HXCDD	UG/L	T						ND (0.00000147)	ND (0.00000198)		ND (0.0000008202323)	0.00000147 B	ND (0.00000161)			
1,2,3,7,8,9-HXCDF	UG/L	T						ND (0.000000888)	ND (0.0000009)		ND (0.0000005716571)	ND (0.000000483)	ND (0.000000886)			
1,2,3,7,8-PECDF	UG/L	T						ND (0.000001)	ND (0.000000851)		ND (0.0000004242329)	ND (0.000000552)	ND (0.000000433)			
2,3,4,6,7,8-HXCDF	UG/L	T						ND (0.000000636)	ND (0.000000575)		ND (0.0000004326233)	0.000000926 J	ND (0.000000606)			
2,3,4,7,8-PECDF	UG/L	T						ND (0.000000941)	ND (0.000000825)		ND (0.0000004173825)	ND (0.000000476)	ND (0.000000375)			
2,3,7,8-TCDD	UG/L	T						ND (0.00000124)	ND (0.000000941)		ND (0.0000005978042)	ND (0.000000502)	ND (0.000000994)			
2,3,7,8-TCDF	UG/L	T						ND (0.00000098)	ND (0.000000966)		ND (0.000000538504)	ND (0.000000408)	ND (0.000000647)			
HPCDDs	UG/L	T							ND (0.00000221)					0.00000255		
HXCDDs	UG/L	T							ND (0.00000183)					ND (0.00000143)		
HXCDFs	UG/L	T							ND (0.00000066)					ND (0.000000656)		
OCDD	UG/L	T						ND (0.00000347)	0.00000442 J		0.00000233 J	0.00000916 B	0.0000529			
OCDF	UG/L	T						ND (0.00000439)	ND (0.00000222)		ND (0.000001283688)	0.00000221 EMPC J	ND (0.00000451)			
TCDDs	UG/L	T						ND (0.00000124)	ND (0.000000941)		0.000000782 EMPC	0.00000171 B	0.00000117 B			

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5		
			Human Health				Ecological (DF=29,412)	10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	0	
TCDFS	UG/L	T						ND (0.00000098)	ND (0.000000966)			ND (0.000000538504)	ND (0.000000408)	ND (0.000000647)			
TOTAL HPCDD	UG/L	T						ND (0.00000159)				ND (0.0000007675012)	0.0000076 B				
TOTAL HPCDF	UG/L	T						ND (0.00000107)				ND (0.0000005652371)	0.00000481 B				
TOTAL HXCDD	UG/L	T						ND (0.00000137)				ND (0.0000008218144)	0.00000829 B				
TOTAL HXCDF	UG/L	T						ND (0.000000652)				ND (0.0000004672833)	0.00000656 EMPC				
TOTAL PECDD	UG/L	T						ND (0.00000113)				ND (0.0000005972123)	0.0000043 EMPC				
TOTAL PECDDS	UG/L	T							ND (0.00000154)					ND (0.00000085)			
TOTAL PECDF	UG/L	T						ND (0.00000097)				ND (0.000000420783)	0.00000245 EMPC				
TOTAL PECDFS	UG/L	T							ND (0.000000837)					ND (0.000000403)			
PCB 1	UG/L	D															
PCB 1	UG/L	T						ND (0.00000128)	ND (0.000000644)			0.00000341 J	ND (0.00000168)	ND (0.000000622)			
PCB 10	UG/L	T						ND (0.00000642)	ND (0.000000554)			ND (0.00000633)	ND (0.0000142)	ND (0.000000381)			
PCB 103	UG/L	T						ND (0.0000026)	ND (0.000000803)			ND (0.00000252)	ND (0.00000339)	ND (0.000000932)			
PCB 105	UG/L	T						ND (0.00000217)	0.00000169 B			ND (0.0000023)	ND (0.00000296)	0.000011 B			
PCB 109	UG/L	T						ND (0.00000191)	ND (0.000000711)			ND (0.00000186)	ND (0.00000251)	ND (0.000000825)			
PCB 11	UG/L	T						0.0000154 B	0.0000169 B			0.0000135 B	0.0000107 B	0.0000104 B			
PCB 110	UG/L	T						0.0000082 J	0.00000215 B			ND (0.00000211)	ND (0.00000279)	0.0000197 B			
PCB 114	UG/L	T						ND (0.0000021)	ND (0.00000076)			ND (0.00000225)	ND (0.00000309)	ND (0.000000853)			
PCB 117	UG/L	T						ND (0.00000211)	ND (0.000000831)			ND (0.0000024)	ND (0.00000297)	0.00000301			
PCB 118	UG/L	T						0.00000587 J	0.00000222 B			ND (0.00000225)	ND (0.00000286)	0.000019 B			
PCB 123	UG/L	T						ND (0.00000218)	ND (0.000000806)			ND (0.00000241)	ND (0.000003)	ND (0.000000939)			
PCB 130	UG/L	T						ND (0.00000278)	ND (0.00000111)			ND (0.00000265)	ND (0.00000356)	ND (0.00000121)			
PCB 131	UG/L	T						ND (0.00000259)	ND (0.000000981)			ND (0.0000023)	ND (0.00000331)	ND (0.00000106)			
PCB 132	UG/L	T						0.00000803 J	ND (0.000000956)			ND (0.0000023)	ND (0.00000319)	0.00000635 B			
PCB 133	UG/L	T						ND (0.0000025)	ND (0.00000106)			ND (0.00000254)	ND (0.00000329)	ND (0.00000115)			
PCB 134	UG/L	T						ND (0.00000314)	ND (0.00000119)			ND (0.00000279)	ND (0.0000035)	ND (0.00000129)			
PCB 136	UG/L	T						0.00000342 J	ND (0.000000648)			ND (0.0000017)	ND (0.00000221)	0.00000192 B			
PCB 137	UG/L	T						ND (0.00000238)	ND (0.000000797)			ND (0.00000252)	ND (0.00000297)	ND (0.000000865)			
PCB 141	UG/L	T						ND (0.00000229)	ND (0.000000936)			ND (0.00000213)	ND (0.0000029)	0.00000351 B			
PCB 144	UG/L	T						ND (0.00000236)	ND (0.000000931)			ND (0.00000227)	ND (0.00000299)	ND (0.00000101)			
PCB 146	UG/L	T						ND (0.00000208)	ND (0.000000771)			ND (0.00000199)	ND (0.00000263)	0.00000161 B			
PCB 148	UG/L	T						ND (0.00000242)	ND (0.000000845)			ND (0.00000266)	ND (0.00000306)	ND (0.000000917)			
PCB 15	UG/L	T						ND (0.00000624)	ND (0.000000774)			ND (0.00000195)	ND (0.00000184)	ND (0.000000811)			
PCB 150	UG/L	T						ND (0.00000134)	ND (0.000000554)			ND (0.00000184)	ND (0.00000207)	ND (0.000000681)			
PCB 154	UG/L	T						ND (0.000002)	ND (0.00000087)			ND (0.00000208)	ND (0.0000025)	ND (0.000000945)			
PCB 156	UG/L	T															
PCB 157	UG/L	T															
PCB 158	UG/L	T						ND (0.00000159)	ND (0.000000742)			ND (0.00000166)	ND (0.00000208)	0.00000259 B			
PCB 159	UG/L	T						ND (0.00000174)	ND (0.000000963)			ND (0.00000288)	ND (0.00000261)	ND (0.000000911)			
PCB 16	UG/L	T						ND (0.00000305)	ND (0.00000109)			0.00000278 J	ND (0.00000424)	ND (0.000000956)			
PCB 160	UG/L	T						ND (0.00000186)	ND (0.000000758)			ND (0.0000021)	ND (0.00000236)	ND (0.000000823)			
PCB 162	UG/L	T						ND (0.00000167)	ND (0.000000895)			ND (0.00000336)	ND (0.00000252)	ND (0.000000847)			
PCB 164	UG/L	T						ND (0.00000173)	ND (0.000000737)			ND (0.00000159)	ND (0.00000225)	ND (0.0000008)			
PCB 167	UG/L	T						ND (0.00000164)	ND (0.00000102)			ND (0.00000338)	ND (0.00000256)	ND (0.000000963)			
PCB 169	UG/L	T						ND (0.00000186)	ND (0.00000113)			ND (0.00000396)	ND (0.00000292)	ND (0.0000011)			
PCB 17	UG/L	T						ND (0.00000246)	ND (0.000000968)			ND (0.00000222)	ND (0.00000355)	ND (0.00000085)			
PCB 170	UG/L	T						0.0000108	ND (0.00000122)			ND (0.00000362)	0.00000551 B	0.00000259 B			
PCB 172	UG/L	T						ND (0.00000306)	ND (0.00000118)			ND (0.00000355)	ND (0.00000579)	ND (0.00000111)			
PCB 174	UG/L	T						0.0000115 EMPC	ND (0.000001)			ND (0.00000334)	ND (0.00000523)	0.00000227 B			
PCB 175	UG/L	T						ND (0.00000279)	ND (0.00000113)			ND (0.00000372)	ND (0.00000546)	ND (0.00000107)			
PCB 176	UG/L	T						ND (0.00000168)	ND (0.000000621)			ND (0.00000181)	ND (0.00000282)	ND (0.000000708)			
PCB 177	UG/L	T						ND (0.00000303)	ND (0.00000105)			ND (0.00000359)	ND (0.0000058)	0.00000161 B			
PCB 178	UG/L	T						ND (0.00000226)	ND (0.000000941)			ND (0.00000207)	ND (0.00000376)	ND (0.00000107)			
PCB 179	UG/L	T						0.00000324 J	ND (0.000000668)			ND (0.0000016)	ND (0.00000277)	ND (0.000000762)			
PCB 183	UG/L	T						0.0000065 J	ND (0.000000983)			ND (0.00000314)	ND (0.00000542)	ND (0.000000925)			
PCB 185	UG/L	T						ND (0.00000261)	ND (0.000000994)			ND (0.00000412)	ND (0.00000477)	ND (0.000000935)			
PCB 187	UG/L	T						0.0000093 J	0.00000136 B			ND (0.0000032)	ND (0.00000475)	0.0000026 B			
PCB 189	UG/L	T						ND (0.00000203)	ND (0.00000103)			ND (0.00000225)	ND (0.00000262)	ND (0.00000105)			
PCB 19	UG/L	T						ND (0.00000234)	ND (0.000000955)			ND (0.00000279)	ND (0.00000037)	ND (0.000000839)			

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5		
			Human Health				Ecological (DF=29,412)	10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	0	
PCB 190	UG/L	T						ND (0.0000182)	ND (0.00000997)		ND (0.0000271)		ND (0.0000352)	ND (0.00000965)			
PCB 191	UG/L	T						ND (0.0000223)	ND (0.00000971)		ND (0.0000289)		ND (0.0000419)	ND (0.00000914)			
PCB 194	UG/L	T						0.0000765 J	ND (0.0000114)		ND (0.0000032)		ND (0.0000407)	0.0000203 B			
PCB 195	UG/L	T						ND (0.0000331)	ND (0.0000118)		ND (0.0000332)		ND (0.0000445)	ND (0.0000119)			
PCB 196	UG/L	T						ND (0.0000242)	ND (0.0000132)		ND (0.0000337)		ND (0.0000027)	ND (0.0000115)			
PCB 197	UG/L	T						ND (0.0000178)	ND (0.00000988)		ND (0.0000248)		ND (0.0000188)	ND (0.00000854)			
PCB 2	UG/L	T						ND (0.0000142)	ND (0.0000056)		0.0000204 J		ND (0.0000163)	ND (0.00000588)			
PCB 200	UG/L	T						ND (0.0000183)	ND (0.0000119)		ND (0.0000283)		ND (0.0000229)	ND (0.0000103)			
PCB 201	UG/L	T						ND (0.0000184)	ND (0.000011)		ND (0.000027)		ND (0.0000215)	ND (0.00000948)			
PCB 202	UG/L	T						ND (0.000018)	ND (0.0000124)		ND (0.0000317)		ND (0.0000206)	ND (0.0000107)			
PCB 203	UG/L	T						0.0000387 J	ND (0.0000116)		ND (0.0000316)		ND (0.0000241)	ND (0.000001)			
PCB 205	UG/L	T						ND (0.0000194)	ND (0.0000101)		ND (0.0000307)		ND (0.0000282)	ND (0.0000102)			
PCB 206	UG/L	T						ND (0.0000436)	ND (0.000029)		ND (0.0000115)		ND (0.0000805)	ND (0.0000309)			
PCB 207	UG/L	T						ND (0.0000355)	ND (0.0000195)		ND (0.0000081)		ND (0.0000611)	ND (0.0000221)			
PCB 208	UG/L	T						ND (0.000035)	ND (0.0000211)		ND (0.00000967)		ND (0.0000601)	ND (0.0000239)			
PCB 209	UG/L	T						ND (0.0000205)	ND (0.0000129)		ND (0.0000581)		ND (0.0000309)	0.0000548 EMPC J			
PCB 22	UG/L	T						ND (0.0000185)	ND (0.0000105)		ND (0.0000222)		ND (0.0000271)	ND (0.00000767)			
PCB 23	UG/L	T						ND (0.0000184)	ND (0.0000108)		ND (0.0000284)		ND (0.0000272)	ND (0.0000079)			
PCB 25	UG/L	T						ND (0.0000164)	ND (0.00000959)		ND (0.0000021)		ND (0.0000245)	ND (0.00000702)			
PCB 27	UG/L	T						ND (0.0000186)	ND (0.00000817)		ND (0.0000179)		ND (0.0000271)	ND (0.00000717)			
PCB 3	UG/L	T						ND (0.0000128)	ND (0.00000595)		0.0000291 B		ND (0.0000186)	ND (0.00000625)			
PCB 31	UG/L	T						0.0000303 J	0.0000172 B		0.0000491 B		0.0000294 B	0.0000141 B			
PCB 32	UG/L	T						0.0000322 J	ND (0.00000725)		0.0000279 B		ND (0.0000259)	ND (0.00000636)			
PCB 34	UG/L	T						ND (0.0000193)	ND (0.000012)		ND (0.0000251)		ND (0.000028)	ND (0.00000876)			
PCB 35	UG/L	T						ND (0.0000196)	ND (0.0000133)		ND (0.000025)		ND (0.0000288)	ND (0.00000974)			
PCB 37	UG/L	T						ND (0.0000179)	ND (0.0000123)		ND (0.0000265)		ND (0.0000321)	ND (0.00000897)			
PCB 38	UG/L	T						ND (0.0000189)	ND (0.0000132)		ND (0.0000263)		ND (0.0000285)	ND (0.00000964)			
PCB 39	UG/L	T						ND (0.000017)	ND (0.0000102)		ND (0.0000254)		ND (0.0000246)	0.00000835			
PCB 4	UG/L	D															
PCB 4	UG/L	T						ND (0.0000909)	ND (0.00000949)		ND (0.0000109)		ND (0.0000191)	0.0000144 B			
PCB 41	UG/L	T						ND (0.0000259)	ND (0.0000109)		ND (0.0000311)		ND (0.0000408)	ND (0.0000127)			
PCB 42	UG/L	T						ND (0.0000217)	ND (0.0000108)		ND (0.0000032)		ND (0.0000366)	ND (0.0000125)			
PCB 43	UG/L	T						ND (0.0000245)	ND (0.0000116)		ND (0.0000341)		ND (0.0000404)	ND (0.0000135)			
PCB 45	UG/L	T						ND (0.0000212)	ND (0.00000964)		ND (0.0000322)		ND (0.0000374)	ND (0.0000112)			
PCB 46	UG/L	T						ND (0.0000225)	ND (0.0000106)		ND (0.0000326)		ND (0.0000371)	ND (0.0000124)			
PCB 48	UG/L	T						ND (0.0000193)	ND (0.00000919)		ND (0.0000275)		ND (0.0000323)	ND (0.0000107)			
PCB 5	UG/L	T						ND (0.0000617)	ND (0.00000762)		ND (0.0000838)		ND (0.0000158)	ND (0.00000798)			
PCB 51	UG/L	T						ND (0.0000194)	ND (0.0000099)		ND (0.0000286)		ND (0.0000307)	ND (0.0000115)			
PCB 52	UG/L	T						0.0000772 J	0.0000178 B		0.0000157 B		ND (0.0000334)	0.0000108 B			
PCB 54	UG/L	T						ND (0.0000108)	ND (0.00000768)		ND (0.0000194)		ND (0.0000189)	ND (0.00000631)			
PCB 56	UG/L	T						0.0000361 J	ND (0.0000103)		ND (0.0000332)		ND (0.0000246)	ND (0.0000129)			
PCB 57	UG/L	T						ND (0.0000198)	ND (0.0000127)		ND (0.0000388)		ND (0.0000258)	ND (0.0000159)			
PCB 6	UG/L	T						ND (0.0000619)	ND (0.00000676)		ND (0.0000081)		ND (0.0000156)	ND (0.00000708)			
PCB 60	UG/L	T						ND (0.0000193)	ND (0.000011)		ND (0.0000326)		ND (0.0000245)	ND (0.0000137)			
PCB 63	UG/L	T						ND (0.000019)	ND (0.00000916)		ND (0.0000036)		ND (0.0000244)	ND (0.0000114)			
PCB 64	UG/L	T						0.0000247 J	ND (0.00000642)		ND (0.0000023)		ND (0.0000247)	0.0000134 B			
PCB 66	UG/L	T						0.000043 J	0.0000206 B		ND (0.0000323)		ND (0.0000243)	0.0000258 B			
PCB 67	UG/L	T						ND (0.0000169)	ND (0.00000923)		ND (0.0000031)		ND (0.0000222)	ND (0.0000115)			
PCB 68	UG/L	T						ND (0.0000173)	ND (0.00000959)		ND (0.0000362)		ND (0.0000225)	ND (0.000012)			
PCB 7	UG/L	T						ND (0.0000576)	0.0000106 B		ND (0.0000789)		ND (0.0000149)	ND (0.00000758)			
PCB 72	UG/L	T						ND (0.000019)	ND (0.0000109)		ND (0.0000334)		ND (0.0000243)	ND (0.0000136)			
PCB 77	UG/L	T						ND (0.0000209)	ND (0.0000121)		ND (0.0000376)		ND (0.0000301)	ND (0.0000152)			
PCB 8	UG/L	T						ND (0.0000603)	0.0000212 B		0.0000459 J		ND (0.0000151)	0.0000179 B			
PCB 82	UG/L	T						ND (0.000033)	ND (0.0000103)		ND (0.0000324)		ND (0.0000427)	0.0000197 B			
PCB 83	UG/L	T						ND (0.0000353)	ND (0.0000107)		ND (0.0000329)		ND (0.0000043)	0.0000082			
PCB 84	UG/L	T						ND (0.0000308)	ND (0.0000102)		ND (0.0000298)		ND (0.0000396)	0.0000464 B			
PCB 88	UG/L	T						ND (0.0000308)	ND (0.00000922)		ND (0.0000416)		ND (0.0000403)	ND (0.0000107)			
PCB 9	UG/L	T						ND (0.0000587)	ND (0.00000641)		ND (0.0000809)		ND (0.0000157)	ND (0.00000672)			
PCB 91	UG/L	T						ND (0.0000263)	ND (0.00000781)		ND (0.0000276)		ND (0.0000339)	ND (0.00000907)			

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5	
			Human Health				10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	0		
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS				
PCB 92	UG/L	T						ND (0.0000292)	ND (0.00000999)		ND (0.0000308)		ND (0.0000378)	0.0000362 B		
PCB 95	UG/L	T						0.0000108	0.0000123 B		0.0000701 J		ND (0.0000358)	0.0000121 B		
PCB 96	UG/L	T						ND (0.0000121)	ND (0.00000661)		ND (0.000018)		ND (0.0000238)	ND (0.00000637)		
PCB 99	UG/L	T						ND (0.000024)	ND (0.00000768)		ND (0.0000232)		ND (0.0000323)	ND (0.00000892)		
PCB-106/118	UG/L	T														
PCB-107/124	UG/L	T						ND (0.000022)	ND (0.00000826)		ND (0.0000216)		ND (0.0000275)	ND (0.00000959)		
PCB-108/119/86/97/125/87	UG/L	T						ND (0.0000247)	ND (0.0000083)		ND (0.0000257)		ND (0.0000308)	0.0000124 B		
PCB-113/90/101	UG/L	T						0.00000875 J	0.0000252 B		ND (0.0000268)		ND (0.0000315)	0.0000193 B		
PCB-116/85	UG/L	T						ND (0.0000253)	ND (0.00000798)		ND (0.000028)		ND (0.0000305)	ND (0.00000926)		
PCB-128/166	UG/L	T						ND (0.0000205)	ND (0.000011)		ND (0.0000342)		ND (0.0000297)	0.0000478 B		
PCB-13/12	UG/L	T						ND (0.0000606)	ND (0.00000794)		ND (0.0000924)		ND (0.0000149)	ND (0.00000832)		
PCB-139/140	UG/L	T						ND (0.0000226)	ND (0.00000916)		ND (0.0000245)		ND (0.0000284)	ND (0.00000995)		
PCB-147/149	UG/L	T						0.0000186	0.0000262 B		ND (0.0000207)		0.0000986 B	0.0000107 B		
PCB-151/135	UG/L	T						0.0000839 J	ND (0.00000936)		ND (0.0000227)		ND (0.0000303)	0.0000422 B		
PCB-153/168	UG/L	T						0.0000193	0.0000266 B		ND (0.0000185)		0.0000112 B	0.0000125 B		
PCB-156/157	UG/L	T						ND (0.0000231)	ND (0.0000132)		ND (0.0000452)		ND (0.0000369)	0.0000034 B		
PCB-163/138/129	UG/L	T						0.0000212 B	0.0000226 B		ND (0.0000212)		0.0000901 B	0.0000196 B		
PCB-171/173	UG/L	T						ND (0.0000297)	ND (0.0000114)		ND (0.0000367)		ND (0.0000569)	ND (0.0000107)		
PCB-180/193	UG/L	D														
PCB-180/193	UG/L	T						0.0000288 B	0.0000186 B		ND (0.0000289)		0.0000169 B	0.00000521 B		
PCB-198/199	UG/L	T						0.0000444 J	ND (0.000013)		ND (0.0000349)		ND (0.0000268)	0.0000281 B		
PCB-21/33	UG/L	T						0.0000152 EMPC	0.0000138 B		0.00000319 B		ND (0.0000271)	0.0000109 B		
PCB-26/29	UG/L	T						ND (0.0000182)	ND (0.0000113)		ND (0.0000229)		ND (0.0000266)	ND (0.00000828)		
PCB-28/20	UG/L	T						0.0000518 B	0.0000196 B		0.0000708 B		0.0000469 B	0.0000178 B		
PCB-30/18	UG/L	T						0.0000526 J	0.0000175 B		0.0000722 B		ND (0.0000311)	0.0000174 B		
PCB-44/47/65	UG/L	T						0.0000601 J	0.0000395 B		0.0000995 B		ND (0.0000298)	0.0000648 B		
PCB-50/53	UG/L	T						ND (0.0000194)	ND (0.00000989)		ND (0.0000311)		ND (0.0000324)	ND (0.0000115)		
PCB-59/62/75	UG/L	T						ND (0.0000151)	ND (0.00000714)		ND (0.0000239)		ND (0.0000253)	ND (0.00000832)		
PCB-61/70/74/76	UG/L	T						0.0000548 J	0.0000417 B		0.0000801 J		ND (0.0000244)	0.0000909 B		
PCB-69/49	UG/L	T						0.0000219 J	0.0000123 B		0.000057 B		ND (0.0000292)	0.0000214 B		
PCB-71/40	UG/L	T						0.0000297 J	ND (0.00000885)		ND (0.0000267)		ND (0.0000304)	ND (0.0000103)		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T														
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000154 B	0.0000201 B		0.000018 B		0.0000107 B	0.0000136 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D														
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000702 EMPC	0.0000322 B		ND (0.0000283)		0.0000224 B	0.0000143 B		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000789 EMPC	0.0000753 B		ND (0.0000341)		0.00003 B	0.0000712 B		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T						ND (0.0000128)	ND (0.00000619)		0.0000836 B		ND (0.0000177)	ND (0.00000624)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T						ND (0.0000393)	ND (0.000025)		ND (0.0000106)		ND (0.0000703)	ND (0.0000274)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.000016 EMPC	ND (0.0000113)		ND (0.0000312)		ND (0.0000244)	0.0000485 B		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02											
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000337 EMPC	0.0000981 B		0.0000701 B		ND (0.000028)	0.000115 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000348 EMPC	0.0000132 B		0.0000393 B		ND (0.000029)	0.0000324 B		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T						0.0000182 B	0.0000681 B		0.000028 B		0.0000763 B	0.0000685 B		
ALUMINUM	UG/L	D												ND (80.2)		
ALUMINUM	UG/L	T												1240 J		
ANTIMONY	UG/L	D												903 J		
ANTIMONY	UG/L	T												ND (9.7)		
ANTIMONY	UG/L	T												ND (9.7)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06			ND (0.3)	ND (0.3)	ND (0.3)			ND (0.3)	ND (0.3)		
ARSENIC	UG/L	T												22.7		
ARSENIC	UG/L	T												ND (0.95)		
ARSENIC	UG/L	T						1.1 J	ND (0.95)	1 J			ND (0.95)	ND (0.95)		
BARIUM	UG/L	D												14.6		
BARIUM	UG/L	T												28.7		
BARIUM	UG/L	T												39.7		
BERYLLIUM	UG/L	D												0.18 J		
BERYLLIUM	UG/L	T												0.36 J		
CADMIUM	UG/L	D												ND (2)		
CADMIUM	UG/L	T												ND (2)		
CADMIUM	UG/L	T												ND (2)		
CALCIUM	UG/L	D												62300		
CALCIUM	UG/L	T												61800		
CALCIUM	UG/L	T												184000		
CHROMIUM	UG/L	D												ND (3.4)		
CHROMIUM	UG/L	T												6.4 J		
CHROMIUM	UG/L	T												ND (17)		
CHROMIUM	UG/L	T												7.8 J		

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5	
			Human Health				10/8/10	4/11/11	4/11/11	5/28/09	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	0	0	0
			Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS			
COBALT	UG/L	D		1.41E+08	6.76E+05									438		
COBALT	UG/L	T												554		
COPPER	UG/L	D		1.58E+10	2.68E+05									2.8 J		
COPPER	UG/L	T												10.8		
FERROUS IRON	UG/L	T												657000		
IRON	UG/L	D		2.77E+11	2.94E+07									493000		
IRON	UG/L	T												588000		
LEAD	UG/L	D			4.71E+05									0.3 B		
LEAD	UG/L	T												1.5		
MAGNESIUM	UG/L	D												35200		
MAGNESIUM	UG/L	T												45800		
MANGANESE	UG/L	D		5.53E+10	3.38E+07									15300		
MANGANESE	UG/L	T				21700	23100	22600	1520	1620	1800	1790	2020	18200		
MERCURY	UG/L	D		1.19E+08	3.53E+02									ND (0.056)		
MERCURY	UG/L	T												ND (0.056)		
NICKEL	UG/L	D		1.00E+10	3.59E+06									324		
NICKEL	UG/L	T												419		
POTASSIUM	UG/L	D												2340		
POTASSIUM	UG/L	T												2650		
SELENIUM	UG/L	D		1.98E+09	1.47E+05									ND (0.99)		
SELENIUM	UG/L	T												ND (0.99)		
SILVER	UG/L	D		2.21E+09	2.65E+05									ND (2.3)		
SILVER	UG/L	T												3.3 J		
SODIUM	UG/L	D												13200		
SODIUM	UG/L	T												13200		
THALLIUM	UG/L	D		3.95E+06	1.18E+06									ND (0.15)		
THALLIUM	UG/L	T				ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	22.4 J	ND (14)	ND (0.15)	ND (0.15)	ND (0.15)		
TITANIUM	UG/L	D												ND (3.8)		
TITANIUM	UG/L	T												35.6		
VANADIUM	UG/L	D		2.77E+07	5.88E+05									ND (2.5)		
VANADIUM	UG/L	T												3.7 J		
ZINC	UG/L	D		1.33E+11	2.41E+06									258		
ZINC	UG/L	T												344		
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T												29200		
AMMONIA	UG/L	T		1.34E+13										ND (200)		
CHLORIDE	UG/L	T												272000		
CYANIDE	UG/L	T		8.45E+09	1.53E+05									ND (5)		
FERRIC IRON	UG/L	T												ND (20000)		
NITRATE	UG/L	T		6.32E+11										ND (40)		
NITRITE	UG/L	T		3.95E+10										ND (15) UJ		
PHOSPHORUS	UG/L	T												ND (250) UJ		
SILICA	UG/L	T												32300		
SULFATE	UG/L	T												1290000		
SULFIDE	UG/L	T												ND (54)		
TOTAL DISSOLVED SOLIDS	UG/L	T														
TOTAL HARDNESS AS CaCO3	UG/L	T														
TOTAL ORGANIC CARBON	UG/L	T												1900		
TOTAL SUSPENDED SOLIDS	UG/L	T												58000		
COLOR QUALITATIVE (FIELD)	NS	T				NS		Clear	clear	Tan	NS	NS	Clear/Lt. Tan	clear		
DEPTH TO WATER FROM TOC	Feet	T														
DISSOLVED OXYGEN (FIELD)	UG/L	T				-2500		630	-2540	3500	90	-2500	620	-1750		
ODOR (FIELD)	NS	T				NS		None	none	No	NS	NS	None	none		
OVABZONE	PPM	T				NS					NS	NS				
OVACASING	PPM	T				NS					NS	NS				
REDOX (FIELD)	MV	T														
TOTAL WELL DEPTH	Feet	T				NS						NS				
TURBIDITY QUANTITATIVE (FIELD)	NTU	T														
HPCDFS	UG/L	T												ND (0.000000974)		
TOTAL HPCDDS	UG/L	T												ND (0.000000518)		

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	
			Human Health			Date	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	5/28/09	10/21/09	4/15/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0	0		
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS						
1,1,1-TRICHLOROETHANE	UG/L	T		1.94E+11	3.24E+05							ND (0.8)	ND (0.8)		
1,1-DICHLOROETHANE	UG/L	T	4.97E+03	3.13E+10	1.38E+06							ND (1)	ND (1)		
1,1-DICHLOROETHENE	UG/L	T		5.15E+09	7.35E+05							ND (0.8)	ND (0.8)		
1,2-DICHLOROETHANE	UG/L	T		2.83E+09	2.06E+04							ND (1)	ND (1)		
1,4-DICHLOROETHANE	UG/L	T	9.11E+02	2.17E+09	7.65E+05							ND (1)	ND (1)		
ACETONE	UG/L	T		4.08E+11	4.41E+07							ND (6)	ND (6)		
BENZENE	UG/L	T	2.55E+04	3.38E+08	1.09E+07							ND (0.5)	ND (0.5)		
CARBON DISULFIDE	UG/L	T		1.05E+10	2.71E+04							ND (1)	ND (1)		
CHLOROBENZENE	UG/L	T		9.63E+08	3.82E+04							ND (0.8)	ND (0.8)		
CHLOROFORM	UG/L	T	2.68E+04	1.55E+09	5.29E+04							ND (0.8)	ND (0.8)		
CIS-1,2 DICHLOROETHENE	UG/L	T		2.17E+08	9.12E+05							ND (0.8)	ND (0.8)		
ETHYL CHLORIDE	UG/L	T										ND (1)	ND (1)		
ETHYLBENZENE	UG/L	T	1.71E+03	2.87E+09	2.65E+06							ND (0.8)	ND (0.8)		
METHYL CHLORIDE	UG/L	T	1.05E+04	1.48E+10	2.89E+06							ND (1)	ND (1)		
METHYL ETHYL KETONE	UG/L	T		2.39E+11	4.12E+08							ND (3)	ND (3)		
METHYLENE CHLORIDE	UG/L	T	1.00E+04	1.42E+10	2.89E+06							ND (2)	ND (2)		
TETRACHLOROETHYLENE	UG/L	T	1.21E+05		3.26E+06							ND (0.8)	ND (0.8)		
TOLUENE	UG/L	T		3.52E+09	5.88E+04							ND (0.7)	ND (0.7)		
TRANS-1,2-DICHLOROETHENE	UG/L	T			9.12E+05							ND (0.8)	ND (0.8)		
TRICHLOROETHENE	UG/L	T	2.86E+04	5.19E+07	6.18E+05							ND (1)	ND (1)		
VINYL CHLORIDE	UG/L	T	5.33E+05	4.01E+08	2.74E+07							ND (1)	ND (1)		
XYLENES	UG/L	T		5.98E+09	3.82E+05							ND (0.8)	ND (0.8)		
2,4-DIMETHYLPHENOL	UG/L	T		2.18E+09	1.59E+07							ND (3)	ND (3)		
2-METHYLNAPHTHALENE	UG/L	T		6.32E+07	1.38E+05							ND (1)	ND (1)		
2-METHYLPHENOL (O-CRESOL)	UG/L	T		7.15E+09								ND (1)	ND (1)		
ACENAPHTHENE	UG/L	T		1.01E+09								ND (0.49)	ND (0.47)		
ANTHRACENE	UG/L	T		3.09E+09	3.53E+02							ND (0.02)	ND (0.019)		
BENZO[A]PYRENE	UG/L	T	8.22E+04		4.41E+02							ND (0.0098)	ND (0.0095)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	9.96E+01	2.63E+07	4.71E+05							ND (2)	ND (2)		
CARBAZOLE	UG/L	T		5.29E+08								ND (1)	ND (1)		
CHRYSENE	UG/L	T	9.83E+01		1.18E+02							ND (0.039)	ND (0.038)		
DIBENZOFURAN	UG/L	T		1.49E+07	1.09E+05							ND (1)	ND (1)		
DI-N-BUTYL PHTHALATE	UG/L	T		3.33E+09	6.47E+05							ND (2)	ND (2)		
FLUORENE	UG/L	T		5.29E+08	8.82E+04							ND (0.098)	ND (0.095)		
HEXACHLOROETHANE	UG/L	T			8.82E+00	ND (1) R	ND (1)	ND (1) R	ND (1) R	ND (1) UJ	ND (1) UJ	ND (0.9)	ND (0.9)		
NAPHTHALENE	UG/L	T		6.04E+08	3.24E+04							ND (0.98)	ND (0.95)		
PHENANTHRENE	UG/L	T			1.18E+04							ND (0.039)	ND (0.038)		
1,2,3,4,6,7,8-HPCDD	UG/L	T					ND (0.000001142216)		0.0000027 B	ND (0.00000123)	ND (0.00000172)		ND (0.0000007194858)		
1,2,3,4,6,7,8-HPCDF	UG/L	T					ND (0.0000008327826)		0.00000194 B	ND (0.000000796)	ND (0.000000545)		ND (0.0000004947098)		
1,2,3,4,7,8,9-HPCDF	UG/L	T					ND (0.000001009039)		ND (0.000000741)	ND (0.00000113)	ND (0.000000734)		ND (0.0000005521071)		
1,2,3,4,7,8-HXCDD	UG/L	T					ND (0.0000009865497)		ND (0.000000803)	ND (0.000000917)	ND (0.00000125)		ND (0.0000007319335)		
1,2,3,4,7,8-HXCDF	UG/L	T					ND (0.0000006025055)		0.000000772 J	ND (0.000000447)	ND (0.000000445)		ND (0.0000004637368)		
1,2,3,6,7,8-HXCDD	UG/L	T					ND (0.000001051149)		ND (0.000000775)	ND (0.00000101)	ND (0.00000142)		ND (0.0000007200876)		
1,2,3,6,7,8-HXCDF	UG/L	T					ND (0.0000005930235)		0.000000556 J	ND (0.000000376)	ND (0.00000041)		ND (0.0000004282365)		
1,2,3,7,8,9-HXCDD	UG/L	T					ND (0.000001164674)		0.00000158 B	ND (0.00000111)	ND (0.00000142)		ND (0.000000822094)		
1,2,3,7,8,9-HXCDF	UG/L	T					ND (0.0000007937068)		ND (0.000000581)	ND (0.000000625)	ND (0.000000661)		ND (0.0000005738992)		
1,2,3,7,8-PECDF	UG/L	T					ND (0.0000005758854)		ND (0.000000591)	ND (0.000000763)	ND (0.000000495)		ND (0.0000005311162)		
2,3,4,6,7,8-HXCDF	UG/L	T					ND (0.0000006184543)		0.00000085 J	ND (0.00000038)	ND (0.000000424)		ND (0.0000004706315)		
2,3,4,7,8-PECDF	UG/L	T					ND (0.000000624985)		ND (0.000000492)	ND (0.000000679)	ND (0.000000485)		ND (0.0000005427046)		
2,3,7,8-TCDD	UG/L	T					ND (0.0000009332497)		ND (0.000000635)	ND (0.000000912)	ND (0.00000069)		ND (0.0000005587042)		
2,3,7,8-TCDF	UG/L	T					ND (0.0000006232136)		ND (0.000000521)	ND (0.000000449)	ND (0.000000726)		ND (0.0000005022973)		
HPCDDS	UG/L	T										0.00000117	ND (0.00000172)		
HXCDDS	UG/L	T										ND (0.00000101)	ND (0.00000136)		
HXCDFS	UG/L	T										ND (0.000000443)	ND (0.000000473)		
OCDD	UG/L	T					ND (0.000001905687)		0.0000017 B	ND (0.00000433)	0.00000451 EMPC J		ND (0.000001394734)		
OCDF	UG/L	T					ND (0.000001689802)		0.00000196 EMPC J	ND (0.00000205)	ND (0.0000025)		ND (0.000001037011)		
TCDDS	UG/L	T					ND (0.0000009332497)		0.00000119 EMPC B	ND (0.000000912)	ND (0.00000069)		ND (0.0000005587042)		

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6		
			Human Health				Duplicate	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	5/28/09	10/21/09	4/15/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
				FS	FS	FS	FS	DUP	FS	FS	FS	FS				
TCDFS	UG/L	T					ND (0.000006232136)		ND (0.00000521)	ND (0.00000449)	ND (0.00000726)		ND (0.000005022973)			
TOTAL HPCDD	UG/L	T					ND (0.00001142216)		0.00000586 EMPC B				ND (0.000007194858)			
TOTAL HPCDF	UG/L	T					ND (0.000009149657)		0.00000194 EMPC B				ND (0.000005218732)			
TOTAL HXCDD	UG/L	T					ND (0.00001065358)		0.00000435 B				ND (0.000007566519)			
TOTAL HXCDF	UG/L	T					ND (0.000006451321)		0.00000451 EMPC				ND (0.000004797674)			
TOTAL PECDD	UG/L	T					ND (0.00000799459)		ND (0.00000746)				ND (0.000005949948)			
TOTAL PECDDS	UG/L	T								ND (0.0000111)	ND (0.0000148)					
TOTAL PECDF	UG/L	T					ND (0.00000600077)		0.00000646 EMPC				ND (0.000005368546)			
TOTAL PECDFS	UG/L	T								ND (0.0000072)	ND (0.0000049)					
PCB 1	UG/L	D														
PCB 1	UG/L	T					ND (0.0000163)		ND (0.0000175)	ND (0.00000859)	ND (0.0000063)		ND (0.0000168)			
PCB 10	UG/L	T					ND (0.00000669)		ND (0.0000198)	ND (0.00000836)	ND (0.00000448)		ND (0.00000525)			
PCB 103	UG/L	T					ND (0.00000264)		ND (0.00000276)	0.00000261 EMPC	ND (0.00000758)		ND (0.00000287)			
PCB 105	UG/L	T					ND (0.00000249)		ND (0.00000254)	0.00000259 B	ND (0.00000765)		ND (0.00000254)			
PCB 109	UG/L	T					ND (0.00000194)		ND (0.00000205)	0.00000275	ND (0.00000671)		ND (0.00000211)			
PCB 11	UG/L	T					0.0000164 B		ND (0.0000131)	0.0000151 B	0.00000549 B		0.00000988 B			
PCB 110	UG/L	T					0.00000683 J		0.00000713 B	0.0000284 B	0.00000123 B		ND (0.0000024)			
PCB 114	UG/L	T					ND (0.00000238)		ND (0.00000246)	ND (0.00000103)	ND (0.00000733)		ND (0.00000247)			
PCB 117	UG/L	T					ND (0.00000252)		ND (0.00000242)	ND (0.00000122)	ND (0.00000785)		ND (0.00000273)			
PCB 118	UG/L	T					0.00000687 J		ND (0.00000241)	0.0000146 B	0.00000176 B		ND (0.00000244)			
PCB 123	UG/L	T					ND (0.00000253)		ND (0.00000245)	ND (0.00000108)	ND (0.00000761)		ND (0.00000275)			
PCB 130	UG/L	T					ND (0.00000288)		ND (0.00000308)	0.00001	ND (0.00000957)		ND (0.00000305)			
PCB 131	UG/L	T					ND (0.0000025)		ND (0.00000285)	ND (0.00000121)	ND (0.00000842)		ND (0.00000265)			
PCB 132	UG/L	T					ND (0.0000025)		0.00000703 B	0.0000556	ND (0.00000821)		ND (0.00000265)			
PCB 133	UG/L	T					ND (0.00000277)		ND (0.00000284)	0.00000618 EMPC	ND (0.00000907)		ND (0.00000294)			
PCB 134	UG/L	T					ND (0.00000303)		ND (0.00000303)	0.00000931 B	ND (0.00000102)		ND (0.00000322)			
PCB 136	UG/L	T					ND (0.00000177)		0.00000413 B	0.0000323	ND (0.00000661)		ND (0.00000185)			
PCB 137	UG/L	T					ND (0.00000274)		ND (0.00000257)	ND (0.00000102)	ND (0.00000684)		ND (0.0000029)			
PCB 141	UG/L	T					ND (0.00000231)		0.00000453 B	0.0000392	ND (0.00000803)		ND (0.00000245)			
PCB 144	UG/L	T					ND (0.00000247)		ND (0.00000258)	0.0000096 EMPC	ND (0.00000799)		ND (0.00000262)			
PCB 146	UG/L	T					ND (0.00000217)		ND (0.00000227)	0.0000513	ND (0.00000662)		ND (0.0000023)			
PCB 148	UG/L	T					ND (0.0000029)		ND (0.00000264)	ND (0.00000105)	ND (0.00000725)		ND (0.00000307)			
PCB 15	UG/L	T					ND (0.00000775)		ND (0.0000154)	ND (0.00000811)	ND (0.0000072)		ND (0.00000911)			
PCB 150	UG/L	T					ND (0.00000191)		ND (0.00000168)	ND (0.00000769)	ND (0.00000565)		ND (0.000002)			
PCB 154	UG/L	T					ND (0.00000226)		ND (0.00000216)	0.00000818 EMPC	ND (0.00000747)		ND (0.0000024)			
PCB 156	UG/L	T														
PCB 157	UG/L	T														
PCB 158	UG/L	T					ND (0.00000181)		ND (0.0000018)	0.0000134	ND (0.00000636)		ND (0.00000192)			
PCB 159	UG/L	T					ND (0.00000247)		ND (0.0000023)	0.00000407	ND (0.00000754)		ND (0.00000224)			
PCB 16	UG/L	T					ND (0.00000286)		ND (0.00000359)	ND (0.00000101)	ND (0.00000983)		ND (0.00000297)			
PCB 160	UG/L	T					ND (0.00000228)		ND (0.00000204)	ND (0.00000893)	ND (0.00000651)		ND (0.00000242)			
PCB 162	UG/L	T					ND (0.00000288)		ND (0.00000222)	ND (0.00000103)	ND (0.00000701)		ND (0.00000261)			
PCB 164	UG/L	T					ND (0.00000173)		ND (0.00000194)	0.0000129	ND (0.00000632)		ND (0.00000183)			
PCB 167	UG/L	T					ND (0.0000029)		ND (0.00000226)	0.00000371 EMPC J	ND (0.00000797)		ND (0.00000263)			
PCB 169	UG/L	T					ND (0.00000343)		ND (0.00000246)	ND (0.00000134)	ND (0.00000915)		ND (0.00000277)			
PCB 17	UG/L	T					0.00000312 B		ND (0.00000301)	ND (0.00000881)	ND (0.00000874)		0.00000351 B			
PCB 170	UG/L	T					ND (0.00000297)		0.00000464 B	0.0000746	ND (0.00000104)		ND (0.00000291)			
PCB 172	UG/L	T					ND (0.0000036)		ND (0.00000505)	0.0000135	ND (0.00000102)		ND (0.0000034)			
PCB 174	UG/L	T					ND (0.00000338)		0.0000085 B	0.0000895	ND (0.0000087)		ND (0.0000032)			
PCB 175	UG/L	T					ND (0.00000376)		ND (0.00000477)	0.00000341 EMPC	ND (0.00000984)		ND (0.00000356)			
PCB 176	UG/L	T					ND (0.00000259)		ND (0.00000249)	0.0000128	ND (0.00000637)		ND (0.00000247)			
PCB 177	UG/L	T					ND (0.00000363)		0.00000569 B	0.0000532	ND (0.00000912)		ND (0.00000344)			
PCB 178	UG/L	T					ND (0.00000296)		ND (0.00000332)	0.0000211	ND (0.00000965)		ND (0.00000283)			
PCB 179	UG/L	T					ND (0.00000229)		ND (0.00000245)	0.0000411	ND (0.00000685)		ND (0.00000218)			
PCB 183	UG/L	T					ND (0.00000318)		0.00000564 B	0.0000436	ND (0.00000852)		ND (0.00000301)			
PCB 185	UG/L	T					ND (0.00000418)		ND (0.00000416)	0.00000881	ND (0.00000861)		ND (0.00000395)			
PCB 187	UG/L	T					ND (0.00000324)		0.00000931 B	0.000107	ND (0.00000816)		ND (0.00000306)			
PCB 189	UG/L	T					ND (0.00000283)		ND (0.00000239)	0.00000273 EMPC J	ND (0.00000772)		ND (0.0000026)			
PCB 19	UG/L	T					ND (0.00000319)		ND (0.00000314)	ND (0.00000086)	ND (0.00000862)		ND (0.00000332)			

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6		
			Human Health				Ecological (DF=29,412)	10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	5/28/09	10/21/09	4/15/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	0	
PCB 190	UG/L	T					ND (0.0000222)		ND (0.0000299)	0.0000186	ND (0.00000845)		ND (0.0000217)			
PCB 191	UG/L	T					ND (0.0000292)		ND (0.0000366)	0.0000323	ND (0.00000842)		ND (0.0000276)			
PCB 194	UG/L	T					ND (0.0000391)		ND (0.0000398)	0.0000383	ND (0.00000962)		ND (0.0000323)			
PCB 195	UG/L	T					ND (0.0000406)		ND (0.0000435)	0.000016	ND (0.000001)		ND (0.0000336)			
PCB 196	UG/L	T					ND (0.0000293)		ND (0.0000263)	0.0000204	ND (0.00000943)		ND (0.0000294)			
PCB 197	UG/L	T					ND (0.0000216)		ND (0.0000183)	0.0000169	ND (0.00000703)		ND (0.0000217)			
PCB 2	UG/L	T					ND (0.000002)		ND (0.000018)	0.0000154	ND (0.00000634)		ND (0.000002)			
PCB 200	UG/L	T					ND (0.0000247)		ND (0.0000223)	0.0000809	ND (0.00000846)		ND (0.0000248)			
PCB 201	UG/L	T					ND (0.0000235)		ND (0.000021)	0.0000629	ND (0.00000781)		ND (0.0000236)			
PCB 202	UG/L	T					ND (0.0000276)		ND (0.0000276)	0.0000798	ND (0.00000885)		ND (0.0000278)			
PCB 203	UG/L	T					ND (0.0000275)		ND (0.0000234)	0.0000229	ND (0.00000826)		ND (0.0000276)			
PCB 205	UG/L	T					ND (0.0000375)		ND (0.0000276)	0.0000236	ND (0.00000857)		ND (0.000031)			
PCB 206	UG/L	T					ND (0.0000113)		ND (0.0000664)	0.0000807	ND (0.0000244)		ND (0.0000983)			
PCB 207	UG/L	T					ND (0.0000753)		ND (0.0000536)	ND (0.0000237)	ND (0.0000169)		ND (0.0000705)			
PCB 208	UG/L	T					ND (0.0000898)		ND (0.0000527)	ND (0.0000257)	ND (0.0000183)		ND (0.0000842)			
PCB 209	UG/L	T					ND (0.0000576)		ND (0.0000248)	ND (0.000013)	ND (0.0000109)		ND (0.0000556)			
PCB 22	UG/L	T					ND (0.0000246)		ND (0.0000267)	ND (0.00000908)	ND (0.00000769)		ND (0.000027)			
PCB 23	UG/L	T					ND (0.0000315)		ND (0.0000268)	ND (0.00000938)	ND (0.00000792)		ND (0.0000345)			
PCB 25	UG/L	T					ND (0.0000233)		ND (0.0000241)	ND (0.00000824)	ND (0.00000704)		ND (0.0000255)			
PCB 27	UG/L	T					ND (0.0000205)		ND (0.0000229)	ND (0.00000756)	ND (0.00000737)		ND (0.0000213)			
PCB 3	UG/L	T					0.0000301 B		0.0000239 B	0.0000142	ND (0.00000674)		ND (0.0000227)			
PCB 31	UG/L	T					0.0000549 B		0.0000311 B	0.0000141 B	0.00000753 B		0.0000441 B			
PCB 32	UG/L	T					0.0000308 B		0.000031 B	ND (0.00000657)	ND (0.00000654)		0.0000284 B			
PCB 34	UG/L	T					ND (0.0000279)		ND (0.0000275)	ND (0.0000103)	ND (0.00000878)		ND (0.0000305)			
PCB 35	UG/L	T					ND (0.0000277)		ND (0.0000284)	ND (0.0000115)	ND (0.00000976)		ND (0.0000303)			
PCB 37	UG/L	T					ND (0.0000294)		ND (0.0000317)	ND (0.0000104)	ND (0.00000899)		ND (0.0000322)			
PCB 38	UG/L	T					ND (0.0000292)		ND (0.000028)	ND (0.0000113)	ND (0.00000967)		ND (0.0000319)			
PCB 39	UG/L	T					ND (0.0000282)		ND (0.0000242)	ND (0.00000889)	ND (0.00000751)		ND (0.0000309)			
PCB 4	UG/L	D														
PCB 4	UG/L	T					ND (0.0000115)		ND (0.0000266)	0.0000108 B	ND (0.00000768)		ND (0.0000905)			
PCB 41	UG/L	T					ND (0.0000406)		ND (0.0000371)	ND (0.0000118)	ND (0.0000118)		ND (0.0000333)			
PCB 42	UG/L	T					ND (0.0000418)		ND (0.0000333)	ND (0.0000131)	ND (0.0000117)		ND (0.0000343)			
PCB 43	UG/L	T					ND (0.0000445)		ND (0.0000367)	ND (0.0000136)	ND (0.0000125)		ND (0.0000365)			
PCB 45	UG/L	T					ND (0.0000421)		ND (0.000034)	ND (0.000011)	ND (0.0000104)		ND (0.0000345)			
PCB 46	UG/L	T					ND (0.0000425)		ND (0.0000337)	ND (0.0000127)	ND (0.0000115)		ND (0.0000349)			
PCB 48	UG/L	T					ND (0.0000359)		ND (0.0000293)	ND (0.000011)	ND (0.00000996)		ND (0.0000295)			
PCB 5	UG/L	T					ND (0.000071)		ND (0.0000132)	ND (0.00000784)	ND (0.00000708)		ND (0.0000834)			
PCB 51	UG/L	T					ND (0.0000373)		ND (0.0000279)	ND (0.0000122)	ND (0.0000107)		ND (0.0000306)			
PCB 52	UG/L	T					0.0000222 B		0.0000659 B	0.0000411 B	ND (0.00000893)		0.0000159 B			
PCB 54	UG/L	T					ND (0.0000203)		ND (0.0000162)	ND (0.00000787)	ND (0.00000703)		ND (0.0000196)			
PCB 56	UG/L	T					ND (0.0000365)		ND (0.0000245)	ND (0.0000129)	ND (0.00000775)		ND (0.0000301)			
PCB 57	UG/L	T					ND (0.0000426)		ND (0.0000257)	ND (0.0000155)	ND (0.00000957)		ND (0.0000352)			
PCB 6	UG/L	T					0.0000186 J		ND (0.000013)	ND (0.00000728)	ND (0.00000629)		ND (0.0000807)			
PCB 60	UG/L	T					ND (0.0000359)		ND (0.0000244)	ND (0.0000135)	ND (0.00000828)		ND (0.0000297)			
PCB 63	UG/L	T					ND (0.0000396)		ND (0.0000243)	ND (0.0000115)	ND (0.00000688)		ND (0.0000327)			
PCB 64	UG/L	T					0.000034 J		ND (0.0000225)	ND (0.00000762)	ND (0.00000695)		ND (0.0000246)			
PCB 66	UG/L	T					0.000053 J		ND (0.0000242)	0.0000172 B	ND (0.00000753)		ND (0.0000294)			
PCB 67	UG/L	T					ND (0.0000341)		ND (0.0000221)	ND (0.0000117)	ND (0.00000694)		ND (0.0000282)			
PCB 68	UG/L	T					ND (0.0000399)		ND (0.0000224)	ND (0.0000121)	ND (0.00000721)		ND (0.0000329)			
PCB 7	UG/L	T					ND (0.0000668)		ND (0.0000125)	ND (0.00000743)	ND (0.00000673)		ND (0.0000785)			
PCB 72	UG/L	T					ND (0.0000368)		ND (0.0000242)	ND (0.0000135)	ND (0.00000821)		ND (0.0000304)			
PCB 77	UG/L	T					ND (0.0000394)		ND (0.0000306)	ND (0.0000149)	ND (0.00000941)		ND (0.0000351)			
PCB 8	UG/L	T					0.0000678 J		ND (0.0000126)	0.0000148 B	0.000015 B		0.00006 J			
PCB 82	UG/L	T					ND (0.0000339)		ND (0.0000348)	ND (0.0000141)	ND (0.0000097)		ND (0.0000368)			
PCB 83	UG/L	T					ND (0.0000344)		ND (0.000035)	ND (0.0000142)	ND (0.0000101)		ND (0.0000374)			
PCB 84	UG/L	T					ND (0.0000312)		ND (0.0000323)	0.0000271 B	ND (0.00000961)		ND (0.0000339)			
PCB 88	UG/L	T					ND (0.0000435)		ND (0.0000328)	ND (0.0000137)	ND (0.00000871)		ND (0.0000473)			
PCB 9	UG/L	T					ND (0.0000685)		ND (0.0000131)	ND (0.00000661)	ND (0.00000597)		ND (0.0000806)			
PCB 91	UG/L	T					ND (0.0000289)		ND (0.0000276)	ND (0.0000102)	ND (0.00000738)		ND (0.0000314)			

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	
			Human Health				10/21/09	4/15/10	10/7/10	4/13/11	5/28/09	5/28/09	10/21/09	4/15/10	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	0	0	0	0	0	0	0	0
							Bottom (ft)	0	0	0	0	0	0	0	
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS				
PCB 92	UG/L	T					ND (0.00000322)			ND (0.00000308)	0.0000202	ND (0.00000944)	ND (0.0000035)		
PCB 95	UG/L	T					0.0000136			0.00000765 B	0.0000372 B	ND (0.00000805)	0.00000899 J		
PCB 96	UG/L	T					ND (0.0000015)			ND (0.00000213)	ND (0.000000759)	ND (0.000000701)	ND (0.0000018)		
PCB 99	UG/L	T					ND (0.00000243)			ND (0.00000263)	0.0000247 B	ND (0.000000725)	ND (0.00000264)		
PCB-106/118	UG/L	T													
PCB-107/124	UG/L	T					ND (0.00000226)			ND (0.00000224)	ND (0.00000111)	ND (0.000000781)	ND (0.00000245)		
PCB-108/119/86/97/125/87	UG/L	T					ND (0.0000027)			ND (0.00000251)	0.0000132 B	ND (0.000000784)	ND (0.00000293)		
PCB-113/90/101	UG/L	T					0.000013 EMPC			0.00000617 B	0.00000736 B	0.00000188 B	0.00000812 J		
PCB-116/85	UG/L	T					ND (0.00000293)			ND (0.00000249)	ND (0.00000107)	ND (0.000000753)	ND (0.00000318)		
PCB-128/166	UG/L	T					ND (0.00000293)			ND (0.00000262)	0.00000855 B	ND (0.000000865)	ND (0.00000266)		
PCB-13/12	UG/L	T					ND (0.00000782)			ND (0.0000125)	ND (0.000000838)	ND (0.000000739)	ND (0.0000092)		
PCB-139/140	UG/L	T					ND (0.00000266)			ND (0.00000245)	0.00000371	ND (0.000000786)	ND (0.00000282)		
PCB-147/149	UG/L	T					ND (0.00000225)			0.0000162 B	0.000178	0.00000144 B	ND (0.00000239)		
PCB-151/135	UG/L	T					ND (0.00000247)			0.00000849 B	0.000104	ND (0.000000803)	ND (0.00000262)		
PCB-153/168	UG/L	T					0.00000382 J			0.0000158 B	0.000189	0.00000122 B	ND (0.00000214)		
PCB-156/157	UG/L	T					ND (0.00000379)			ND (0.00000307)	0.00000862 B	ND (0.00000103)	ND (0.00000369)		
PCB-163/138/129	UG/L	T					0.00000468 J			0.0000195 B	0.00016	0.00000155 B	ND (0.00000245)		
PCB-171/173	UG/L	T					ND (0.00000372)			ND (0.00000497)	0.000023	ND (0.000000986)	ND (0.00000351)		
PCB-180/193	UG/L	D													
PCB-180/193	UG/L	T					ND (0.00000292)			0.0000172 B	0.000176	ND (0.000000796)	ND (0.00000276)		
PCB-198/199	UG/L	T					ND (0.00000304)			ND (0.00000261)	0.0000455	ND (0.000000928)	ND (0.00000305)		
PCB-21/33	UG/L	T					ND (0.00000284)			ND (0.00000267)	0.00000129 B	ND (0.000000833)	ND (0.00000311)		
PCB-26/29	UG/L	T					ND (0.00000255)			ND (0.00000262)	ND (0.00000099)	ND (0.00000083)	ND (0.00000279)		
PCB-28/20	UG/L	T					0.00000965 B			0.00000547 B	0.00000186 B	0.00000126 B	0.00000603 B		
PCB-30/18	UG/L	T					0.00000671 B			0.0000043 B	0.00000196 B	0.0000013 B	0.00000653 B		
PCB-44/47/65	UG/L	T					0.0000124 B			0.00000298 J	0.00000403 B	ND (0.00000101)	0.00000648 B		
PCB-50/53	UG/L	T					0.00000373 EMPC			ND (0.00000294)	ND (0.00000118)	ND (0.00000107)	ND (0.00000334)		
PCB-59/62/75	UG/L	T					ND (0.00000312)			ND (0.0000023)	ND (0.000000852)	ND (0.000000773)	ND (0.00000256)		
PCB-61/70/74/76	UG/L	T					0.0000118			ND (0.00000243)	0.00000312 B	ND (0.000000823)	0.00000647 J		
PCB-69/49	UG/L	T					0.00000663 B			ND (0.00000266)	0.00000283 B	ND (0.000000864)	0.00000405 B		
PCB-71/40	UG/L	T					ND (0.00000349)			ND (0.00000276)	ND (0.00000111)	ND (0.000000959)	0.00000258 EMPC		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.000025 B			ND (0.000021)	0.0000176 B	0.00000699 B	0.0000159 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000319)			0.0000509 B	0.000693 EMPC	ND (0.000000892)	ND (0.000003)		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000851 EMPC			0.00000757 B	0.000907 EMPC	0.00000421 B	ND (0.00000275)		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000301 B			0.00000239 B	0.00000296	ND (0.000000652)	ND (0.00000198)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000101)			ND (0.00000595)	0.00000807	ND (0.00000214)	ND (0.00000912)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000326)			ND (0.00000238)	0.00017	ND (0.000000871)	ND (0.00000294)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02										
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000403 B			0.000021 B	0.000223 B	0.00000488 B	0.0000171 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000654 B			0.00000956 B	0.0000158 B	ND (0.0000009)	0.0000354 B		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000281 B			0.000016 B	0.00000653 B	0.00000331 B	0.0000233 B		
ALUMINUM	UG/L	D		3.95E+11	2.56E+06						ND (80.2)	ND (80.2)			
ALUMINUM	UG/L	T									913	815			
ANTIMONY	UG/L	D		1.58E+08	8.82E+05	26.7					ND (9.7)	ND (9.7)	ND (9.7)		
ANTIMONY	UG/L	T				ND (48.5)	ND (0.3)	ND (0.3)	ND (0.3)	ND (9.7)	ND (9.7)	ND (9.7)	ND (0.3)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06	ND (7.2)				ND (0.95)	ND (0.95)	ND (7.2)			
ARSENIC	UG/L	T				ND (9.5)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	2.4 B	ND (0.95)		
BARIUM	UG/L	D		7.90E+10	1.18E+05						44.2	45.8			
BARIUM	UG/L	T									46.7	45.7			
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04						ND (0.13)	ND (0.13)			
BERYLLIUM	UG/L	T									0.14 J	0.15 J			
CADMIUM	UG/L	D		1.98E+08	2.65E+04						ND (2)	ND (2)			
CADMIUM	UG/L	T									ND (2)	ND (2)			
CALCIUM	UG/L	D									3910	4030			
CALCIUM	UG/L	T									4090	3900			
CHROMIUM	UG/L	D		4.76E+06							ND (3.4)	ND (3.4)			
CHROMIUM	UG/L	T									6.4 J	9.3 J			

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	
			Human Health				MW-5	MW-5	MW-5	MW-5	MW-6	MW-6	MW-6	MW-6	
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)		Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)
							Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)
COBALT	UG/L	D		1.41E+08	6.76E+05	Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	
COBALT	UG/L	T									3.6 J	3.8 J			
COBALT	UG/L	T									4.8 J	4.2 J			
COPPER	UG/L	D		1.58E+10	2.68E+05						ND (2.7)	ND (2.7)			
COPPER	UG/L	T									ND (2.7)	ND (2.7)			
FERROUS IRON	UG/L	T									7500	7900			
IRON	UG/L	D		2.77E+11	2.94E+07						7930	8070			
IRON	UG/L	T									9810	9730			
LEAD	UG/L	D			4.71E+05						0.065 B	ND (0.05)			
LEAD	UG/L	T									0.31 B	0.44 B			
MAGNESIUM	UG/L	D									1290	1340			
MAGNESIUM	UG/L	T									1350	1300			
MANGANESE	UG/L	D		5.53E+10	3.38E+07		19400				135	137	141		
MANGANESE	UG/L	T					21700	16200	19000	22400	146	141	158	147	
MERCURY	UG/L	D		1.19E+08	3.53E+02						ND (0.056)	ND (0.056)			
MERCURY	UG/L	T									ND (0.056)	ND (0.056)			
NICKEL	UG/L	D		1.00E+10	3.59E+06						5.5 B	4.7 B			
NICKEL	UG/L	T									7.7 B	10.2 B			
POTASSIUM	UG/L	D									472 J	489 J			
POTASSIUM	UG/L	T									496 J	481 J			
SELENIUM	UG/L	D		1.98E+09	1.47E+05						ND (0.99)	ND (0.99)			
SELENIUM	UG/L	T									ND (5)	ND (0.99)			
SILVER	UG/L	D		2.21E+09	2.65E+05						ND (2.3)	ND (2.3)			
SILVER	UG/L	T									ND (2.3)	ND (2.3)			
SODIUM	UG/L	D									7230	7380			
SODIUM	UG/L	T									7500	7120			
THALLIUM	UG/L	D		3.95E+06	1.18E+06		206				ND (0.15)	ND (0.15)	ND (14)		
THALLIUM	UG/L	T					ND (70)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (14)	ND (0.15)	
TITANIUM	UG/L	D									ND (3.8)	ND (3.8)			
TITANIUM	UG/L	T									68.6	70.9			
VANADIUM	UG/L	D		2.77E+07	5.88E+05						ND (2.5)	ND (2.5)			
VANADIUM	UG/L	T									9.4	10			
ZINC	UG/L	D		1.33E+11	2.41E+06						ND (8.1)	ND (8.1)			
ZINC	UG/L	T									11.2 J	11.8 J			
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T									20300	20500			
AMMONIA	UG/L	T		1.34E+13							ND (200)	ND (200)			
CHLORIDE	UG/L	T									16900	20700			
CYANIDE	UG/L	T		8.45E+09	1.53E+05						ND (5)	ND (5)			
FERRIC IRON	UG/L	T									2300 J	1900 J			
NITRATE	UG/L	T		6.32E+11							ND (40)	ND (40)			
NITRITE	UG/L	T		3.95E+10							150 J	ND (15) UJ			
PHOSPHORUS	UG/L	T									ND (250) UJ	ND (250) UJ			
SILICA	UG/L	T									26100	26000			
SULFATE	UG/L	T									ND (2500)	ND (2500)			
SULFIDE	UG/L	T									ND (54)	ND (54)			
TOTAL DISSOLVED SOLIDS	UG/L	T													
TOTAL HARDNESS AS CaCO3	UG/L	T													
TOTAL ORGANIC CARBON	UG/L	T									ND (500)	1200			
TOTAL SUSPENDED SOLIDS	UG/L	T									18400	13600			
COLOR QUALITATIVE (FIELD)	NS	T					clear	NS	NS	Clear		clear	clear	NS	
DEPTH TO WATER FROM TOC	Feet	T													
DISSOLVED OXYGEN (FIELD)	UG/L	T					-890	70	-2500	650		-730	260	2432.4	
ODOR (FIELD)	NS	T					No	NS	NS	None		none	No	NS	
OVABZONE	PPM	T						NS	NS					NS	
OVACASING	PPM	T						NS	NS					NS	
REDOX (FIELD)	MV	T													
TOTAL WELL DEPTH	Feet	T						NS	NS					NS	
TURBIDITY QUANTITATIVE (FIELD)	NTU	T													
HPCDFS	UG/L	T									ND (0.000000948)	ND (0.000000631)			
TOTAL HPCDDS	UG/L	T													

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	
			Human Health				Ecological (DF=29,412)	10/6/10	4/12/11	5/28/09	10/21/09	4/16/10	4/16/10	10/6/10	4/12/11
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
TCDFS	UG/L	T					ND (0.00000803)	ND (0.00000376)		ND (0.000006322497)	ND (0.000008831424)		ND (0.00000792)		
TOTAL HPCDD	UG/L	T					ND (0.00000208)			ND (0.00001107745)	ND (0.00001348064)		ND (0.0000013)		
TOTAL HPCDF	UG/L	T					ND (0.00000137)			ND (0.000009371476)	0.00000267 EMPC		ND (0.00000839)		
TOTAL HXCDD	UG/L	T					ND (0.00000128)			ND (0.000001159417)	ND (0.000001374715)		ND (0.00000827)		
TOTAL HXCDF	UG/L	T					ND (0.000000539)			ND (0.000000706678)	ND (0.000008836796)		ND (0.00000507)		
TOTAL PECDD	UG/L	T					ND (0.00000107)			ND (0.0000009395474)	ND (0.000001178896)		ND (0.00000777)		
TOTAL PECDDS	UG/L	T						ND (0.000000653)							
TOTAL PECDF	UG/L	T					ND (0.00000109)			ND (0.0000006919663)	ND (0.000008292715)		ND (0.00000725)		
TOTAL PECDFS	UG/L	T						ND (0.000000349)							
PCB 1	UG/L	D													
PCB 1	UG/L	T					ND (0.00000135)	ND (0.000000523)		0.00000246 J	ND (0.00000134)		ND (0.00000723)		
PCB 10	UG/L	T					ND (0.0000074)	ND (0.000000398)		ND (0.00000514)	ND (0.00000463)		ND (0.00000416)		
PCB 103	UG/L	T					ND (0.00000215)	ND (0.000000811)		ND (0.00000234)	ND (0.00000183)		ND (0.00000187)		
PCB 105	UG/L	T					ND (0.00000186)	0.00000086 B		ND (0.00000223)	0.00000219 J		ND (0.00000149)		
PCB 109	UG/L	T					ND (0.00000159)	ND (0.000000718)		ND (0.00000173)	ND (0.00000135)		ND (0.00000138)		
PCB 11	UG/L	T					ND (0.00000743)	0.00000392 B		0.0000138 B	0.0000143 B		0.0000118 B		
PCB 110	UG/L	T					0.00000556 B	0.00000149 B		ND (0.00000196)	0.00000571 J		0.00000622 B		
PCB 114	UG/L	T					ND (0.00000175)	ND (0.000000779)		ND (0.00000215)	ND (0.00000161)		ND (0.00000154)		
PCB 117	UG/L	T					ND (0.00000175)	ND (0.00000084)		ND (0.00000223)	ND (0.00000175)		ND (0.00000152)		
PCB 118	UG/L	T					ND (0.00000181)	0.00000128 B		ND (0.00000223)	0.00000448 J		0.00000419 J		
PCB 123	UG/L	T					ND (0.00000181)	ND (0.000000814)		ND (0.00000224)	ND (0.00000175)		ND (0.00000158)		
PCB 130	UG/L	T					ND (0.00000285)	ND (0.000000996)		ND (0.00000224)	ND (0.0000026)		ND (0.00000239)		
PCB 131	UG/L	T					ND (0.00000266)	ND (0.000000877)		ND (0.00000195)	ND (0.00000226)		ND (0.00000223)		
PCB 132	UG/L	T					ND (0.0000026)	ND (0.000000855)		ND (0.00000195)	ND (0.00000226)		0.00000492 J		
PCB 133	UG/L	T					ND (0.00000256)	ND (0.000000945)		ND (0.00000216)	ND (0.0000025)		ND (0.00000215)		
PCB 134	UG/L	T					ND (0.00000322)	ND (0.00000106)		ND (0.00000236)	ND (0.00000274)		ND (0.0000027)		
PCB 136	UG/L	T					ND (0.0000016)	ND (0.000000659)		ND (0.00000148)	ND (0.00000162)		ND (0.00000135)		
PCB 137	UG/L	T					ND (0.00000244)	ND (0.000000712)		ND (0.00000213)	ND (0.00000247)		ND (0.00000204)		
PCB 141	UG/L	T					ND (0.00000235)	ND (0.000000837)		ND (0.0000018)	ND (0.00000209)		0.00000454 J		
PCB 144	UG/L	T					ND (0.00000242)	ND (0.000000832)		ND (0.00000193)	ND (0.00000224)		ND (0.00000203)		
PCB 146	UG/L	T					ND (0.00000214)	ND (0.000000689)		ND (0.00000169)	ND (0.00000196)		0.000002 J		
PCB 148	UG/L	T					ND (0.00000248)	ND (0.000000755)		ND (0.00000226)	ND (0.00000262)		ND (0.00000208)		
PCB 15	UG/L	T					ND (0.00000719)	ND (0.000000511)		ND (0.000007)	ND (0.0000056)		ND (0.00000431)		
PCB 150	UG/L	T					ND (0.0000015)	ND (0.000000563)		ND (0.0000016)	ND (0.00000175)		ND (0.00000127)		
PCB 154	UG/L	T					ND (0.00000205)	ND (0.000000778)		ND (0.00000176)	ND (0.00000204)		ND (0.00000172)		
PCB 156	UG/L	T													
PCB 157	UG/L	T													
PCB 158	UG/L	T					ND (0.00000163)	ND (0.000000663)		ND (0.00000141)	ND (0.00000163)		ND (0.00000137)		
PCB 159	UG/L	T					ND (0.00000241)	ND (0.000000665)		ND (0.00000203)	ND (0.00000196)		ND (0.00000203)		
PCB 16	UG/L	T					ND (0.00000309)	0.00000085 B		ND (0.00000216)	0.00000226 J		0.00000243 J		
PCB 160	UG/L	T					ND (0.00000191)	ND (0.000000678)		ND (0.00000178)	ND (0.00000206)		ND (0.0000016)		
PCB 162	UG/L	T					ND (0.00000231)	ND (0.000000619)		ND (0.00000237)	ND (0.00000229)		ND (0.00000195)		
PCB 164	UG/L	T					ND (0.00000177)	ND (0.000000659)		ND (0.00000134)	ND (0.00000156)		ND (0.00000148)		
PCB 167	UG/L	T					ND (0.00000226)	ND (0.000000704)		ND (0.00000239)	ND (0.00000231)		ND (0.0000019)		
PCB 169	UG/L	T					ND (0.00000255)	ND (0.000000802)		ND (0.00000245)	ND (0.00000232)		ND (0.00000203)		
PCB 17	UG/L	T					ND (0.00000249)	0.000000753 B		0.0000025 J	0.00000286 J		0.00000182 J		
PCB 170	UG/L	T					ND (0.00000292)	ND (0.00000102)		ND (0.00000253)	ND (0.00000165)		0.00000497 J		
PCB 172	UG/L	T					ND (0.00000369)	ND (0.00000105)		ND (0.00000298)	ND (0.00000191)		ND (0.00000299)		
PCB 174	UG/L	T					ND (0.00000322)	ND (0.000000892)		ND (0.0000028)	ND (0.00000179)		0.00000619 J		
PCB 175	UG/L	T					ND (0.00000336)	ND (0.00000101)		ND (0.00000312)	ND (0.000002)		ND (0.00000273)		
PCB 176	UG/L	T					ND (0.00000162)	ND (0.000000653)		ND (0.00000224)	ND (0.00000189)		ND (0.00000136)		
PCB 177	UG/L	T					ND (0.00000364)	ND (0.000000934)		ND (0.00000301)	ND (0.00000193)		ND (0.00000296)		
PCB 178	UG/L	T					ND (0.00000218)	ND (0.00000099)		ND (0.00000257)	ND (0.00000217)		ND (0.00000183)		
PCB 179	UG/L	T					ND (0.00000161)	ND (0.000000703)		ND (0.00000198)	ND (0.00000167)		ND (0.00000135)		
PCB 183	UG/L	T					ND (0.00000333)	ND (0.000000873)		ND (0.00000263)	ND (0.00000169)		0.00000423 J		
PCB 185	UG/L	T					ND (0.00000314)	ND (0.000000882)		ND (0.00000346)	ND (0.00000222)		ND (0.00000255)		
PCB 187	UG/L	T					ND (0.000003)	ND (0.000000836)		ND (0.00000268)	ND (0.00000172)		0.00000545 J		
PCB 189	UG/L	T					ND (0.00000205)	ND (0.000000852)		ND (0.00000224)	ND (0.00000179)		ND (0.00000143)		
PCB 19	UG/L	T					ND (0.00000237)	ND (0.000000794)		ND (0.00000241)	ND (0.00000189)		ND (0.0000015)		

< and ND = Non detect at stated reporting limit

**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Human Health			Date	10/6/10	4/12/11	5/28/09	10/21/09	4/16/10	4/16/10	10/6/10	4/12/11
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Ecological (DF=29,412)	Top (ft)	0	0	0	0	0	0	0	0
						Bottom (ft)	0	0	0	0	0	0		
Duplicate	FS	FS	FS	FS	DUP	FS	FS							
PCB 190	UG/L	T					ND (0.00000216)	ND (0.00000832)		ND (0.0000189)	ND (0.0000123)		ND (0.0000186)	
PCB 191	UG/L	T					ND (0.00000269)	ND (0.00000863)		ND (0.0000242)	ND (0.0000155)		ND (0.0000218)	
PCB 194	UG/L	T					ND (0.00000414)	ND (0.0000103)		ND (0.0000306)	ND (0.0000229)		ND (0.0000328)	
PCB 195	UG/L	T					ND (0.00000466)	ND (0.0000107)		ND (0.0000318)	ND (0.0000238)		ND (0.000037)	
PCB 196	UG/L	T					ND (0.00000267)	ND (0.0000105)		ND (0.0000307)	ND (0.0000216)		ND (0.0000221)	
PCB 197	UG/L	T					ND (0.00000195)	ND (0.0000078)		ND (0.0000226)	ND (0.0000159)		ND (0.0000162)	
PCB 2	UG/L	T					ND (0.00000159)	ND (0.00000532)		ND (0.0000165)	0.0000211 B		ND (0.00000866)	
PCB 200	UG/L	T					ND (0.00000201)	ND (0.00000938)		ND (0.0000258)	ND (0.0000182)		ND (0.0000167)	
PCB 201	UG/L	T					ND (0.00000203)	ND (0.00000866)		ND (0.0000246)	ND (0.0000173)		ND (0.0000168)	
PCB 202	UG/L	T					ND (0.00000198)	ND (0.00000982)		ND (0.0000289)	ND (0.0000203)		ND (0.0000164)	
PCB 203	UG/L	T					ND (0.00000235)	ND (0.00000916)		ND (0.0000288)	ND (0.0000202)		ND (0.0000195)	
PCB 205	UG/L	T					ND (0.00000274)	ND (0.00000918)		ND (0.0000293)	ND (0.000022)		ND (0.0000217)	
PCB 206	UG/L	T					ND (0.00000548)	ND (0.0000248)		ND (0.0000898)	ND (0.0000765)		ND (0.0000431)	
PCB 207	UG/L	T					ND (0.00000406)	ND (0.0000169)		ND (0.0000581)	ND (0.0000549)		ND (0.0000323)	
PCB 208	UG/L	T					ND (0.000004)	ND (0.0000183)		ND (0.0000694)	ND (0.0000655)		ND (0.0000319)	
PCB 209	UG/L	T					ND (0.00000265)	ND (0.0000106)		ND (0.0000429)	ND (0.0000436)		ND (0.0000185)	
PCB 22	UG/L	T					ND (0.00000214)	ND (0.00000769)		ND (0.0000204)	0.0000182 B		ND (0.0000128)	
PCB 23	UG/L	T					ND (0.00000213)	ND (0.00000791)		ND (0.0000261)	ND (0.0000253)		ND (0.0000127)	
PCB 25	UG/L	T					ND (0.0000019)	ND (0.00000703)		ND (0.0000193)	ND (0.0000187)		ND (0.0000113)	
PCB 27	UG/L	T					ND (0.00000189)	ND (0.00000679)		ND (0.0000155)	ND (0.0000122)		ND (0.0000119)	
PCB 3	UG/L	T					ND (0.00000144)	ND (0.00000565)		ND (0.0000188)	0.0000322 B		ND (0.00000781)	
PCB 31	UG/L	T					ND (0.00000212)	0.00000126 B		0.0000371 B	0.0000045 B		0.00000376 B	
PCB 32	UG/L	T					ND (0.0000018)	0.00000747 B		0.0000318 B	0.00000291 B		0.00000299 B	
PCB 34	UG/L	T					ND (0.00000223)	ND (0.00000878)		ND (0.0000231)	ND (0.0000224)		ND (0.0000133)	
PCB 35	UG/L	T					ND (0.00000227)	ND (0.00000975)		ND (0.0000229)	ND (0.0000223)		ND (0.0000135)	
PCB 37	UG/L	T					ND (0.00000207)	ND (0.00000899)		ND (0.0000243)	ND (0.0000236)		ND (0.0000123)	
PCB 38	UG/L	T					ND (0.00000219)	ND (0.00000966)		ND (0.0000242)	ND (0.0000235)		ND (0.0000131)	
PCB 39	UG/L	T					ND (0.00000197)	ND (0.00000751)		ND (0.0000233)	ND (0.0000227)		ND (0.0000117)	
PCB 4	UG/L	D												
PCB 4	UG/L	T					ND (0.0000105)	0.00000149 B		ND (0.00000886)	0.0000039 J		ND (0.0000059)	
PCB 41	UG/L	T					ND (0.00000308)	ND (0.00000118)		ND (0.0000264)	ND (0.0000268)		ND (0.0000248)	
PCB 42	UG/L	T					ND (0.00000259)	ND (0.00000117)		ND (0.0000272)	ND (0.0000276)		ND (0.0000208)	
PCB 43	UG/L	T					ND (0.00000291)	ND (0.00000125)		ND (0.0000029)	ND (0.0000294)		ND (0.0000234)	
PCB 45	UG/L	T					ND (0.00000252)	ND (0.00000105)		ND (0.0000274)	ND (0.0000278)		ND (0.0000203)	
PCB 46	UG/L	T					ND (0.00000268)	ND (0.00000115)		ND (0.0000277)	ND (0.0000281)		ND (0.0000216)	
PCB 48	UG/L	T					ND (0.0000023)	ND (0.00000997)		ND (0.0000233)	ND (0.0000237)		ND (0.0000185)	
PCB 5	UG/L	T					ND (0.0000071)	ND (0.00000503)		ND (0.0000641)	ND (0.0000513)		ND (0.0000426)	
PCB 51	UG/L	T					ND (0.00000231)	ND (0.00000107)		ND (0.0000243)	ND (0.0000247)		ND (0.0000186)	
PCB 52	UG/L	T					0.00000535 B	0.00000193 B		0.0000156 B	0.000019 B		0.00000914 B	
PCB 54	UG/L	T					ND (0.00000148)	ND (0.00000698)		ND (0.0000194)	ND (0.0000151)		ND (0.00000893)	
PCB 56	UG/L	T					ND (0.00000221)	ND (0.00000106)		ND (0.0000257)	0.00000243 J		0.00000257 J	
PCB 57	UG/L	T					ND (0.00000231)	ND (0.00000131)		ND (0.000003)	ND (0.0000237)		ND (0.0000172)	
PCB 6	UG/L	T					ND (0.00000713)	ND (0.00000446)		ND (0.0000062)	0.00000245 J		ND (0.0000428)	
PCB 60	UG/L	T					ND (0.00000224)	ND (0.00000113)		ND (0.0000253)	ND (0.000002)		ND (0.0000168)	
PCB 63	UG/L	T					ND (0.00000221)	ND (0.00000942)		ND (0.0000278)	ND (0.0000022)		ND (0.0000165)	
PCB 64	UG/L	T					ND (0.00000174)	ND (0.00000696)		ND (0.0000195)	ND (0.0000198)		ND (0.0000014)	
PCB 66	UG/L	T					0.00000267 J	ND (0.0000103)		ND (0.0000025)	0.00000336 J		0.00000203 J	
PCB 67	UG/L	T					ND (0.00000197)	ND (0.0000095)		ND (0.0000024)	ND (0.0000019)		ND (0.0000148)	
PCB 68	UG/L	T					ND (0.00000201)	ND (0.00000987)		ND (0.0000028)	ND (0.0000222)		ND (0.0000015)	
PCB 7	UG/L	T					ND (0.00000663)	0.00000131 B		ND (0.00000604)	0.00000319 J		ND (0.00000398)	
PCB 72	UG/L	T					ND (0.00000221)	ND (0.00000112)		ND (0.0000259)	ND (0.0000205)		ND (0.0000165)	
PCB 77	UG/L	T					ND (0.00000243)	ND (0.00000122)		ND (0.00000302)	ND (0.0000222)		ND (0.0000174)	
PCB 8	UG/L	T					ND (0.00000695)	0.00000156 B		0.00000728 J	0.00000752 J		ND (0.00000417)	
PCB 82	UG/L	T					ND (0.00000273)	ND (0.00000104)		ND (0.00000301)	ND (0.0000235)		ND (0.00000238)	
PCB 83	UG/L	T					ND (0.00000293)	ND (0.00000108)		ND (0.00000305)	ND (0.0000239)		ND (0.00000255)	
PCB 84	UG/L	T					ND (0.00000255)	ND (0.00000103)		ND (0.00000277)	ND (0.0000216)		ND (0.00000222)	
PCB 88	UG/L	T					ND (0.00000255)	ND (0.00000932)		ND (0.00000387)	ND (0.00000302)		ND (0.00000222)	
PCB 9	UG/L	T					ND (0.00000676)	ND (0.00000424)		ND (0.00000619)	ND (0.00000496)		ND (0.00000406)	
PCB 91	UG/L	T					ND (0.00000218)	ND (0.00000079)		ND (0.00000256)	ND (0.000002)		ND (0.0000019)	

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**Table A-2**  
**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	
			Human Health				Ecological (DF=29,412)	10/6/10	4/12/11	5/28/09	10/21/09	4/16/10	4/16/10	10/6/10	4/12/11
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
PCB 92	UG/L	T					ND (0.00000242)	ND (0.00000101)		ND (0.00000286)	ND (0.00000224)		ND (0.00000211)		
PCB 95	UG/L	T					0.00000423 J	0.00000147 B		0.00000844 B	0.0000105 B		0.00000694 J		
PCB 96	UG/L	T					ND (0.00000151)	ND (0.000000629)		ND (0.00000175)	ND (0.00000116)		ND (0.00000124)		
PCB 99	UG/L	T					ND (0.00000199)	ND (0.000000776)		ND (0.00000215)	ND (0.00000168)		ND (0.00000173)		
PCB-106/118	UG/L	T													
PCB-107/124	UG/L	T					ND (0.00000182)	ND (0.000000835)		ND (0.00000201)	ND (0.00000157)		ND (0.00000159)		
PCB-108/119/86/97/125/87	UG/L	T					ND (0.00000205)	ND (0.000000839)		ND (0.00000239)	ND (0.00000187)		ND (0.00000179)		
PCB-113/90/101	UG/L	T					0.00000434 B	0.00000191 B		ND (0.00000249)	0.00000871 B		0.00000738 B		
PCB-116/85	UG/L	T					ND (0.0000021)	ND (0.000000806)		ND (0.0000026)	ND (0.00000203)		ND (0.00000183)		
PCB-128/166	UG/L	T					ND (0.00000283)	ND (0.000000763)		ND (0.00000242)	ND (0.00000233)		ND (0.00000238)		
PCB-13/12	UG/L	T					ND (0.00000698)	ND (0.000000525)		ND (0.00000707)	ND (0.00000566)		ND (0.00000419)		
PCB-139/140	UG/L	T					ND (0.00000232)	ND (0.000000819)		ND (0.00000207)	ND (0.00000241)		ND (0.00000194)		
PCB-147/149	UG/L	T					ND (0.00000224)	ND (0.000000714)		ND (0.00000176)	0.00000263 J		0.0000134 B		
PCB-151/135	UG/L	T					ND (0.00000246)	ND (0.000000837)		ND (0.00000193)	ND (0.00000224)		0.00000587 J		
PCB-153/168	UG/L	T					ND (0.00000196)	0.00000178 B		ND (0.00000157)	ND (0.00000182)		0.000015 B		
PCB-156/157	UG/L	T					ND (0.00000338)	ND (0.000000911)		ND (0.00000314)	ND (0.00000292)		ND (0.00000269)		
PCB-163/138/129	UG/L	T					ND (0.00000232)	0.000002 B		ND (0.0000018)	0.00000536 J		0.0000187 B		
PCB-171/173	UG/L	T					ND (0.00000357)	ND (0.00000101)		ND (0.00000308)	ND (0.00000197)		ND (0.0000029)		
PCB-180/193	UG/L	D													
PCB-180/193	UG/L	T					ND (0.00000274)	0.00000174 B		ND (0.00000242)	ND (0.00000155)		0.000015		
PCB-198/199	UG/L	T					ND (0.00000265)	ND (0.00000103)		ND (0.00000317)	ND (0.00000223)		ND (0.0000022)		
PCB-21/33	UG/L	T					ND (0.00000216)	0.00000108 B		ND (0.00000235)	0.00000275 B		0.00000214 J		
PCB-26/29	UG/L	T					ND (0.0000021)	ND (0.00000083)		ND (0.00000211)	ND (0.00000205)		ND (0.00000125)		
PCB-28/20	UG/L	T					0.00000486 B	0.00000199 B		0.00000659 B	0.00000762 B		0.00000651 B		
PCB-30/18	UG/L	T					0.00000441 B	0.00000244 B		0.00000747 B	0.00000608 B		0.00000601 B		
PCB-44/47/65	UG/L	T					0.00000407 J	0.00000309 B		0.00000613 B	0.00000888 B		0.00000632 J		
PCB-50/53	UG/L	T					ND (0.00000231)	ND (0.00000107)		ND (0.00000265)	0.00000361 B		ND (0.00000186)		
PCB-59/62/75	UG/L	T					ND (0.0000018)	ND (0.000000774)		ND (0.00000203)	ND (0.00000206)		ND (0.00000145)		
PCB-61/70/74/76	UG/L	T					0.00000482 J	ND (0.00000113)		ND (0.00000256)	0.0000061 J		0.0000057 J		
PCB-69/49	UG/L	T					ND (0.00000208)	ND (0.000000864)		ND (0.00000226)	0.00000651 B		0.00000297 J		
PCB-71/40	UG/L	T					ND (0.00000214)	ND (0.00000096)		ND (0.00000227)	0.00000383 J		ND (0.00000172)		
TOTAL DECACHLOROBIPHENYLS (CONGENERS)	UG/L	T													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000883)	0.0000435 B		0.000021 B	0.0000314 B		0.0000118 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000262)	0.00000174 B		ND (0.00000264)	ND (0.00000189)		0.0000359 EMPC		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000239)	0.00000378 B		ND (0.00000238)	0.000008		0.00000644 B		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.0000014)	ND (0.000000544)		0.00000246 B	0.00000533 B		ND (0.000000752)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000474)	ND (0.00000215)		ND (0.00000796)	ND (0.00000071)		ND (0.00000375)		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					ND (0.00000236)	ND (0.00000095)		ND (0.00000291)	ND (0.00000212)		ND (0.00000191)		
TOTAL PCB (CONGENERS)	UG/L	T	4.42E+05	1.91E+04	4.12E+02										
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000141 B	0.00000701 B		0.00000844 B	0.0000316 B		0.0000247 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.0000169 EMPC	0.00000502 B		0.0000218 B	0.0000537 B		0.0000287 EMPC		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T					0.00000927 B	0.00000913 B		0.0000235 B	0.0000308 B		0.0000257 B		
ALUMINUM	UG/L	D													
ALUMINUM	UG/L	T													
ANTIMONY	UG/L	D		3.95E+11	2.56E+06										
ANTIMONY	UG/L	T													
ANTIMONY	UG/L	T		1.58E+08	8.82E+05										
ANTIMONY	UG/L	T					ND (0.3)	ND (0.3)		ND (9.7)	ND (9.7)		ND (0.3)		
ARSENIC	UG/L	D	3.45E+06	1.19E+08	5.59E+06										
ARSENIC	UG/L	T					ND (0.95)	ND (0.95)		ND (7.2)					
ARSENIC	UG/L	T					ND (0.95)	ND (0.95)		2.6 B	ND (0.95)		ND (0.95)		
BARIUM	UG/L	D		7.90E+10	1.18E+05										
BARIUM	UG/L	T													
BARIUM	UG/L	T													
BERYLLIUM	UG/L	D		7.90E+08	1.94E+04										
BERYLLIUM	UG/L	T													
BERYLLIUM	UG/L	T													
CADMIUM	UG/L	D		1.98E+08	2.65E+04										
CADMIUM	UG/L	T													
CADMIUM	UG/L	T													
CALCIUM	UG/L	D													
CALCIUM	UG/L	T													
CALCIUM	UG/L	T													
CHROMIUM	UG/L	D			4.76E+06										
CHROMIUM	UG/L	T													
CHROMIUM	UG/L	T													

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**Summary of Groundwater Analytical Results (Perimeter Wells)**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T) Diss. (D)	Screening Criteria			Location Date	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	
			Human Health				Ecological (DF=29,412)	10/6/10	4/12/11	5/28/09	10/21/09	4/16/10	4/16/10	10/6/10	4/12/11
			Systemic Toxicant (DF=37847)	Human Carcinogen (DF=97353)	Duplicate			Top (ft)	0	0	0	0	0	0	0
								Bottom (ft)	0	0	0	0	0	0	
COBALT	UG/L	D		1.41E+08	6.76E+05	Duplicate	FS	FS							
COBALT	UG/L	T													
COPPER	UG/L	D		1.58E+10	2.68E+05										
COPPER	UG/L	T													
FERROUS IRON	UG/L	T													
IRON	UG/L	D		2.77E+11	2.94E+07										
IRON	UG/L	T													
LEAD	UG/L	D			4.71E+05										
LEAD	UG/L	T													
MAGNESIUM	UG/L	D													
MAGNESIUM	UG/L	T													
MANGANESE	UG/L	D		5.53E+10	3.38E+07										
MANGANESE	UG/L	T					149	154	88.7	106	86.7	77.7	99.6	85.7	
MERCURY	UG/L	D		1.19E+08	3.53E+02										
MERCURY	UG/L	T													
NICKEL	UG/L	D		1.00E+10	3.59E+06										
NICKEL	UG/L	T													
POTASSIUM	UG/L	D													
POTASSIUM	UG/L	T													
SELENIUM	UG/L	D		1.98E+09	1.47E+05										
SELENIUM	UG/L	T													
SILVER	UG/L	D		2.21E+09	2.65E+05										
SILVER	UG/L	T													
SODIUM	UG/L	D													
SODIUM	UG/L	T													
THALLIUM	UG/L	D		3.95E+06	1.18E+06										
THALLIUM	UG/L	T					ND (0.15)	ND (0.15)	ND (0.15)	ND (14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	
TITANIUM	UG/L	D													
TITANIUM	UG/L	T													
VANADIUM	UG/L	D		2.77E+07	5.88E+05										
VANADIUM	UG/L	T													
ZINC	UG/L	D		1.33E+11	2.41E+06										
ZINC	UG/L	T													
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T													
AMMONIA	UG/L	T		1.34E+13											
CHLORIDE	UG/L	T													
CYANIDE	UG/L	T		8.45E+09	1.53E+05										
FERRIC IRON	UG/L	T													
NITRATE	UG/L	T		6.32E+11											
NITRITE	UG/L	T		3.95E+10											
PHOSPHORUS	UG/L	T													
SILICA	UG/L	T													
SULFATE	UG/L	T													
SULFIDE	UG/L	T													
TOTAL DISSOLVED SOLIDS	UG/L	T													
TOTAL HARDNESS AS CaCO3	UG/L	T													
TOTAL ORGANIC CARBON	UG/L	T													
TOTAL SUSPENDED SOLIDS	UG/L	T													
COLOR QUALITATIVE (FIELD)	NS	T					NS	Clear	clear	clear	NS	NS	Clear		
DEPTH TO WATER FROM TOC	Feet	T													
DISSOLVED OXYGEN (FIELD)	UG/L	T					-2500	560	-440	30	160	-2500	670		
ODOR (FIELD)	NS	T					NS	None	none	No	NS	NS	Slight		
OVABZONE	PPM	T					NS				NS	NS			
OVACASING	PPM	T					NS				NS	NS			
REDOX (FIELD)	MV	T													
TOTAL WELL DEPTH	Feet	T					NS				NS	NS			
TURBIDITY QUANTITATIVE (FIELD)	NTU	T													
HPCDFS	UG/L	T													
TOTAL HPCDDS	UG/L	T													

< and ND = Non detect at stated reporting limit

**Table A-3**  
**Groundwater Dioxin TEQ in Perimeter Wells**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Filtered	Units	Number of Samples	Number Detected	Number Above	Number Detected Above	Average	Maximum Detection	Maximum Location	MaxDate	WHO 2005 TEF	TEQ
1,2,3,4,6,7,8-HPCDD	T	UG/L	160	49	0	0	4.43E-06	0.000125	MW-18S	25-May-07	0.01	1.25E-06
1,2,3,4,6,7,8-HPCDF	T	UG/L	161	15	0	0	1.86E-06	0.000195	MW-18S	25-May-07	0.01	1.95E-06
1,2,3,4,7,8,9-HPCDF	T	UG/L	168	2	0	0	1.04E-06	0.000078	MW-18S	25-May-07	0.01	7.80E-07
1,2,3,4,7,8-HXCDD	T	UG/L	168	2	0	0	6.65E-07	0.0000239	MW-18S	25-May-07	0.1	2.39E-07
1,2,3,4,7,8-HXCDF	T	UG/L	167	4	0	0	7.87E-07	0.000084	MW-18S	25-May-07	0.1	8.40E-06
1,2,3,6,7,8-HXCDD	T	UG/L	168	6	0	0	7.31E-07	0.0000056	MW-18S	25-May-07	0.1	5.60E-07
1,2,3,6,7,8-HXCDF	T	UG/L	168	4	0	0	3.67E-07	0.0000147	MW-18S	25-May-07	0.1	1.47E-06
1,2,3,7,8,9-HXCDD	T	UG/L	164	3	0	0	7.20E-07	0.00000416	MW-18S	25-May-07	0.1	4.16E-07
1,2,3,7,8,9-HXCDF	T	UG/L	168	1	0	0	4.67E-07	0.00000841	MW-18S	25-May-07	0.1	8.41E-07
1,2,3,7,8-PECDF	T	UG/L	168	1	0	0	6.14E-07	0.0000123	MW-18S	25-May-07	0.03	3.69E-07
2,3,4,6,7,8-HXCDF	T	UG/L	168	4	0	0	3.93E-07	0.0000128	MW-18S	25-May-07	0.1	1.28E-06
2,3,4,7,8-PECDF	T	UG/L	168	3	0	0	5.45E-07	0.00000632	MW-18S	25-May-07	0.3	1.90E-06
2,3,7,8-TCDD	T	UG/L	168	1	0	0	4.55E-07	0.000000857	MW-18S	25-May-07	1	8.57E-07
2,3,7,8-TCDF	T	UG/L	168	1	0	0	4.35E-07	0.00000677	MW-18S	25-May-07	0.1	6.77E-07
HPCDDs	T	UG/L	41	16	0	0	1.04E-05	0.000301	MW-18S	25-May-07		
HXCDDs	T	UG/L	132	31	0	0	3.52E-06	0.0000974	MW-18S	25-May-07		
HXCDFs	T	UG/L	132	8	0	0	1.83E-06	0.000184	MW-18S	25-May-07		
OCDD	T	UG/L	141	103	0	0	1.38E-04	0.00351	MW-18S	25-May-07	0.0003	1.05E-06
OCDF	T	UG/L	154	37	0	0	2.03E-05	0.00256	MW-18S	25-May-07	0.0003	7.68E-07
TCDDs	T	UG/L	145	41	0	0	1.76E-06	0.0000175	MW-18S	25-May-07		
TCDFs	T	UG/L	166	10	0	0	1.15E-06	0.0000652	MW-18S	25-May-07		
PCB 77	T	UG/L	149	15	0	0	4.89E-06	0.000108	MW-18S	25-May-07	0.0001	1.08E-08
PCB 169	T	UG/L	150	8	0	0	3.23E-06	0.00000453	MW-04	12-Oct-05	0.03	1.36E-07
PCB 105	T	UG/L	139	25	0	0	1.46E-05	0.000938	MW-18S	25-May-07	0.00003	2.81E-08
PCB 114	T	UG/L	168	1	0	0	4.37E-06	0.0000405	MW-18S	25-May-07	0.00003	1.22E-09
PCB 118	T	UG/L	38	26	0	0	6.15E-05	0.00207	MW-18S	25-May-07	0.00003	6.21E-08
PCB 123	T	UG/L	168	1	0	0	4.26E-06	0.0000188	MW-18S	25-May-07	0.00003	5.64E-10
PCB 167	T	UG/L	158	5	0	0	4.17E-06	0.000183	MW-18S	25-May-07	0.00003	5.49E-09
PCB 189	T	UG/L	168	3	0	0	3.09E-06	0.000169	MW-22S	18-Aug-10	0.00003	5.07E-09
Dioxin TEQ												2.31E-05

TEF - Toxicity Equivalency Factor

TEQ - Toxic Equivalency

Note: As a conservative approach, dioxin TEQ was calculated using the highest detected concentrations from the site.

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB01	S01SB01	S01SB02	S01SB03	S01SB04	S01SB06
				Date	5/4/10	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/29/08	4/29/08
				Top (ft)	0	1	1	1	1	1	0	0
				Bottom (ft)	2	3	3	3	3	3	2	2
				Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG		15 J	ND (7)		ND (7)	10 J	64	58
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG		ND (1)	ND (1)		ND (1)	ND (1)	1 J	4 J
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG		ND (2)	ND (2)		ND (2)	ND (2)	ND (2)	3 J
METHYL CHLORIDE	UG/KG	T	500000	UG/KG		ND (2)	ND (2)		ND (2)	ND (2)	ND (2)	7
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG		ND (4)	ND (4)		ND (4)	ND (4)	6 J	5 J
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG		ND (1)	ND (1)		ND (1)	ND (1)	ND (1)	2 J
TRICHLOROETHENE	UG/KG	T	6400	UG/KG		ND (1)	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	100 J
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	ND (39)
ACENAPHTHYLENE	UG/KG	T		UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	190
ANTHRACENE	UG/KG	T	170000000	UG/KG	39 J	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	180 J
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	260	ND (37)	ND (37)		ND (39)	120 J	ND (38)	570
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	300	ND (37)	ND (37)		ND (39)	130 J	51 J	720
BENZO(G,H,I)PERYLENE	UG/KG	T		UG/KG	140 J	ND (37)	ND (37)		ND (39)	63 J	ND (38)	580
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	130 J	ND (37)	ND (37)		ND (39)	66 J	ND (38)	240
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	^230	ND (37)	ND (37)		ND (39)	99 J	ND (38)	^590
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (73)	ND (73)	ND (73)		ND (78)	ND (77)	ND (75)	130 J
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (73)	ND (73)	ND (73)		ND (78)	ND (77)	ND (75)	ND (77)
CARBAZOLE	UG/KG	T		UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	78 J
CHRYSENE	UG/KG	T	210000	UG/KG	260	ND (37)	ND (37)		ND (39)	94 J	41 J	920
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	130 J
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	ND (39)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (73)	ND (73)	ND (73)		ND (78)	ND (77)	ND (75)	ND (77)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	420	ND (37)	ND (37)		ND (39)	180 J	59 J	820
FLUORENE	UG/KG	T	22000000	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	46 J
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	180	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	ND (39)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	130 J	ND (37)	ND (37)		ND (39)	46 J	ND (38)	360
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	ND (39)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (36)	ND (37)	ND (37)		ND (39)	ND (38)	ND (38)	190
PHENANTHRENE	UG/KG	T		UG/KG	88 J	ND (37)	ND (37)		ND (39)	67 J	ND (38)	960
PYRENE	UG/KG	T	17000000	UG/KG	390	ND (37)	ND (37)		ND (39)	180 J	55 J	1300
1,2,3,4,6,7,8-HPCDD	MG/KG	T				0.0000048		0.0000107	0.0000239	0.0000342	0.000186	0.0000594
1,2,3,4,6,7,8-HPCDF	MG/KG	T				0.000000765 J		0.000000349 J	0.00000317	0.00000525	0.0000553	0.0000341
1,2,3,4,7,8,9-HPCDF	MG/KG	T				ND (0.000000246) UJ		ND (0.00000025) UJ	0.00000102 J	0.00000114 J	0.0000136	0.00000893
1,2,3,4,7,8-HXCDD	MG/KG	T				ND (0.0000000886)		ND (0.0000000909)	ND (0.000000242) UJ	ND (0.000000239) UJ	0.00000201 J	0.000000669 J
1,2,3,4,7,8-HXCDF	MG/KG	T				ND (0.000000246) UJ		ND (0.00000025) UJ	0.0000009 J	0.00000103 J	0.0000114	0.00000736
1,2,3,6,7,8-HXCDD	MG/KG	T				ND (0.0000000921)		ND (0.000000103)	0.000000338 J	0.000000422 J	0.00000553	0.00000137 J
1,2,3,6,7,8-HXCDF	MG/KG	T				ND (0.000000246) UJ		ND (0.00000025) UJ	0.000000245 J	0.000000375 J	0.00000232 J	0.00000347
1,2,3,7,8,9-HXCDD	MG/KG	T				ND (0.0000000968)		ND (0.000000102)	0.000000291 J	0.000000425 J	0.00000355	0.00000113 J
1,2,3,7,8,9-HXCDF	MG/KG	T				ND (0.0000000636)		ND (0.00000025) UJ	ND (0.000000242) UJ	0.000000464 J	0.00000184 J	0.00000216 J
1,2,3,7,8-PECDD	MG/KG	T				ND (0.000000126)		ND (0.00000013)	ND (0.000000122)	ND (0.000000239) UJ	0.000000721 J	0.000000449 J
1,2,3,7,8-PECDF	MG/KG	T				ND (0.000000246) UJ		ND (0.00000025) UJ	ND (0.000000242) UJ	ND (0.000000239) UJ	0.00000177 J	0.00000257
2,3,4,6,7,8-HXCDF	MG/KG	T				ND (0.000000246) UJ		ND (0.0000000464)	ND (0.000000242) UJ	0.000000302 J	0.00000258	0.00000287
2,3,4,7,8-PECDF	MG/KG	T				ND (0.000000246) UJ		ND (0.00000025) UJ	ND (0.000000242) UJ	0.000000456 J	0.00000156 J	0.00000299
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.0000000918 J		ND (0.0000000632)	ND (0.0000000636)	0.000000278 EMPC J	0.00000043 J	0.00000182 J
2,3,7,8-TCDF	MG/KG	T				0.000000053 EMPC J		ND (0.0000000374)	0.000000116 EMPC J	0.000000183 J	0.000000752	0.00000022
HPCDDs	MG/KG	T				0.00001		0.0000201	0.0000526	0.0000699	0.000331	0.000131
HXCDDs	MG/KG	T				0.00000106 EMPC		0.000000599 EMPC	0.00000512 EMPC	0.00000801 EMPC	0.0000402	0.0000214 EMPC
HXCDFs	MG/KG	T				0.00000089 EMPC		0.000000733 EMPC	0.00000387 EMPC	0.00000832 EMPC	0.000052 EMPC	0.0000426
OCDD	MG/KG	T				0.000426		0.00112	0.0022	0.00292	0.00515	0.00469
OCDF	MG/KG	T				0.0000108		0.00000678	0.0000404	0.0000469	0.000674	0.000689
TCDDs	MG/KG	T				0.000000181 EMPC		0.000000068 EMPC	0.000000578 EMPC	0.00000103 EMPC	0.00000457 EMPC	0.0000052 EMPC
TCDFs	MG/KG	T				0.000000407 EMPC		0.000000325 EMPC	0.00000391 EMPC	0.0000126 EMPC	0.0000216 EMPC	0.0000293 EMPC
TOTAL HPCDD	MG/KG	T										

EPA\_SL\_IndSoil\_05/12

< and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB01	S01SB01	S01SB02	S01SB03	S01SB04	S01SB06
				Date	5/4/10	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/29/08	4/29/08
				Top (ft)	0	1	1	1	1	1	0	0
				Bottom (ft)	2	3	3	3	3	3	2	2
				Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T										
TOTAL HXCDD	MG/KG	T										
TOTAL HXCDF	MG/KG	T										
TOTAL PECDD	MG/KG	T										
TOTAL PECDDS	MG/KG	T					0.00000281 EMPC	ND (0.0000013)	0.0000126 EMPC	0.0000225 EMPC	0.0000858 EMPC	0.0000078 EMPC
TOTAL PECDF	MG/KG	T										
TOTAL PECDFS	MG/KG	T					0.00000415 EMPC	0.00000698 EMPC	0.0000265 EMPC	0.0000751 EMPC	0.0000233	0.0000371 EMPC
PCB 1	MG/KG	T					0.00000849	ND (0.00000405)	0.00000793 EMPC	0.00000728 EMPC	0.00000146	0.000002
PCB 10	MG/KG	T					ND (0.00000303)	ND (0.00000395)	ND (0.00000233)	ND (0.00000368)	ND (0.00000403)	ND (0.00000422)
PCB 102	MG/KG	T					0.00000585 EMPC	ND (0.00000401)	0.00000813 EMPC	0.00000118	ND (0.00000535)	0.00000999
PCB 103	MG/KG	T					ND (0.00000359)	ND (0.00000422)	ND (0.00000604)	ND (0.00000517)	ND (0.00000563)	ND (0.00000633)
PCB 104	MG/KG	T					ND (0.00000243)	ND (0.00000312)	ND (0.00000543)	ND (0.00000376)	ND (0.00000336)	ND (0.00000243)
PCB 105	MG/KG	T	0.38	MG/KG			0.00000929	0.00000131	0.0000475	0.0000131	0.000115	0.0000948
PCB 106	MG/KG	T					ND (0.00000302)	ND (0.00000507)	ND (0.00000507)	0.000000113 EMPC	ND (0.00000448)	ND (0.00000498)
PCB 109	MG/KG	T					0.00000144 EMPC	ND (0.00000316)	0.00000438 EMPC	0.00000234 EMPC	0.000023	0.0000174
PCB 11	MG/KG	T					0.0000042 B	0.00000839 B	0.00000687 B	0.00000642 B	0.0000168 B	0.00000905 B
PCB 110	MG/KG	T					0.0000338	0.00000488 B	0.0000692	0.0000887	0.000469	0.000774
PCB 111	MG/KG	T					ND (0.00000288)	ND (0.00000325)	ND (0.00000484)	ND (0.00000414)	ND (0.00000434)	ND (0.00000489)
PCB 112	MG/KG	T					ND (0.00000298)	ND (0.00000336)	ND (0.00000502)	ND (0.00000429)	ND (0.00000449)	ND (0.00000505)
PCB 114	MG/KG	T	0.38	MG/KG			ND (0.00000279)	ND (0.00000309)	0.00000886 J	ND (0.00000433)	0.00000565	0.00000561
PCB 115	MG/KG	T					ND (0.0000029)	ND (0.00000336)	ND (0.00000488)	ND (0.00000417)	ND (0.00000448)	ND (0.00000504)
PCB 117	MG/KG	T					ND (0.00000284)	ND (0.00000365)	0.00000121	0.00000151 EMPC	0.0000055	0.0000105
PCB 118	MG/KG	T	0.38	MG/KG			0.0000211	0.00000341 B	0.0000498	0.0000329	0.000279	0.00021
PCB 120	MG/KG	T					ND (0.00000292)	ND (0.0000032)	ND (0.00000492)	ND (0.0000042)	ND (0.00000426)	ND (0.0000048)
PCB 121	MG/KG	T					ND (0.00000279)	ND (0.00000333)	ND (0.00000469)	ND (0.00000401)	ND (0.00000444)	ND (0.000005)
PCB 122	MG/KG	T					ND (0.00000299)	ND (0.00000328)	0.00000913	ND (0.00000463)	ND (0.00000458)	0.00000379
PCB 123	MG/KG	T	0.38	MG/KG			0.00000347 EMPCJ	ND (0.0000034)	0.00000969	0.000000612 EMPCJ	0.00000913	0.00000617 EMPC
PCB 126	MG/KG	T	0.00011	MG/KG			ND (0.00000426)	ND (0.00000292)	0.00000456	ND (0.00000421)	0.0000037	0.000003
PCB 127	MG/KG	T					ND (0.00000294)	ND (0.00000322)	ND (0.00000478)	ND (0.00000453)	ND (0.00000416)	ND (0.00000491)
PCB 130	MG/KG	T					0.0000025 EMPC	ND (0.00000357)	0.00000501	0.00000995	0.0000611	0.0000866
PCB 131	MG/KG	T					0.000000575	ND (0.00000354)	0.00000818 EMPC	0.00000181	0.00000654	0.0000142
PCB 132	MG/KG	T					0.0000142	0.00000357 B	0.0000288	0.0000514	0.000229	0.000498
PCB 133	MG/KG	T					0.000000406	ND (0.00000335)	0.00000929 EMPC	0.00000203	0.000014	0.000022
PCB 134	MG/KG	T					0.00000231	ND (0.0000039)	0.00000408 EMPC	0.00000811	0.0000371	0.0000833
PCB 136	MG/KG	T					0.00000577	0.00000121 EMPC	0.0000096	0.0000195	0.0000649	0.000241
PCB 137	MG/KG	T					0.00000131 EMPC	ND (0.00000303)	0.000004	0.00000499	0.0000329	0.0000449
PCB 14	MG/KG	T					ND (0.00000302)	ND (0.00000309)	ND (0.00000387)	ND (0.00000333)	ND (0.00000431)	ND (0.00000285)
PCB 141	MG/KG	T					0.00000882	ND (0.00000323)	0.0000144	0.0000227	0.000166	0.000223
PCB 143	MG/KG	T					ND (0.00000238)	ND (0.00000316)	ND (0.0000035)	ND (0.00000407)	ND (0.00000375)	ND (0.00000232)
PCB 144	MG/KG	T					0.00000206	ND (0.00000312)	0.00000377	0.00000638	0.0000238	0.0000676
PCB 145	MG/KG	T					ND (0.00000208)	ND (0.00000268)	ND (0.00000316)	ND (0.00000344)	ND (0.00000295)	ND (0.00000206)
PCB 146	MG/KG	T					0.00000544	ND (0.00000306)	0.0000108	0.0000204	0.000146	0.000218
PCB 148	MG/KG	T					ND (0.00000234)	ND (0.00000326)	ND (0.00000344)	ND (0.000004)	ND (0.00000387)	ND (0.0000024)
PCB 15	MG/KG	T					0.00000432 B	0.00000272 B	0.0000046 B	0.00000378 B	0.0000412	0.0000274
PCB 150	MG/KG	T					ND (0.00000206)	ND (0.0000026)	ND (0.00000312)	ND (0.00000341)	ND (0.00000285)	ND (0.00000199)
PCB 152	MG/KG	T					ND (0.00000209)	ND (0.00000257)	ND (0.00000317)	ND (0.00000345)	ND (0.00000282)	ND (0.00000197)
PCB 154	MG/KG	T					ND (0.00000209)	ND (0.00000283)	0.00000051	0.00000927	ND (0.00000335)	0.00000623
PCB 158	MG/KG	T					0.0000047	0.00000111 EMPC	0.0000101	0.0000159	0.0000976	0.000152
PCB 159	MG/KG	T					ND (0.00000468)	ND (0.00000271)	0.00000896 EMPC	0.00000136	0.0000101	0.0000207
PCB 16	MG/KG	T					0.00000417 B	0.00000294 B	0.0000152	0.00000264 B	0.0000117 B	0.00000601 B
PCB 162	MG/KG	T					ND (0.00000455)	ND (0.00000259)	ND (0.00000401)	0.00000578	0.00000428	0.00000536
PCB 164	MG/KG	T					0.0000034	0.00000104	0.00000643	0.0000135	0.0000844	0.000143
PCB 165	MG/KG	T					ND (0.00000199)	ND (0.00000264)	ND (0.00000294)	ND (0.00000341)	ND (0.00000313)	ND (0.00000194)
PCB 167	MG/KG	T	0.38	MG/KG			0.00000161	0.00000378 EMPCJ	0.00000356	0.00000551	0.0000487	0.00000505

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB01	S01SB01	S01SB02	S01SB03	S01SB04	S01SB06
				Date	5/4/10	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/29/08	4/29/08
				Top (ft)	0	1	1	1	1	1	0	0
				Bottom (ft)	2	3	3	3	3	3	2	2
				Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG		ND (0.00000463)		ND (0.00000284)	ND (0.00000401)	ND (0.00000403)	ND (0.00000701)	0.00000316
PCB 17	MG/KG	T				0.00000479 B		0.00000294 B	0.0000033 B	0.00000328 B	0.0000146 B	0.00000619 B
PCB 170	MG/KG	T				0.0000147		0.00000527	0.0000297	0.0000518	0.000395	0.000759
PCB 172	MG/KG	T				0.00000276		ND (0.00000538)	0.0000054	0.00000962	0.0000712	0.000135
PCB 174	MG/KG	T				0.0000148		0.00000531	0.0000342	0.0000516	0.00036	0.000836
PCB 175	MG/KG	T				0.000000671 EMPC		ND (0.00000519)	0.00000108	0.00000224	0.0000139	0.0000341
PCB 176	MG/KG	T				0.0000023		0.00000693	0.00000349 EMPC	0.00000689	0.0000298	0.0000876
PCB 177	MG/KG	T				0.00000763		0.00000332	0.0000193	0.0000291	0.00022	0.000461
PCB 178	MG/KG	T				0.00000336		0.00000148	0.00000738	0.0000121	0.0000875	0.000162
PCB 179	MG/KG	T				0.00000652		0.00000175	0.0000151	0.0000239	0.000141	0.000359
PCB 181	MG/KG	T				ND (0.00000398)		ND (0.00000504)	ND (0.00000499)	ND (0.00000474)	ND (0.00000102)	ND (0.00000106)
PCB 182	MG/KG	T				ND (0.00000383)		ND (0.00000487)	ND (0.0000048)	ND (0.00000456)	ND (0.00000988)	ND (0.00000103)
PCB 183	MG/KG	T				0.00000798		0.00000279	0.0000203	0.0000329	0.000191	0.000443
PCB 184	MG/KG	T				ND (0.00000267)		ND (0.00000353)	ND (0.00000433)	ND (0.00000418)	ND (0.00000463)	ND (0.00000286)
PCB 185	MG/KG	T				0.00000199		ND (0.00000527)	0.00000589	0.00000646	0.000037	0.000103
PCB 186	MG/KG	T				ND (0.00000263)		ND (0.00000349)	ND (0.00000426)	ND (0.00000411)	ND (0.00000457)	ND (0.00000282)
PCB 187	MG/KG	T				0.0000182		0.00000704	0.000048	0.0000725	0.000553	0.00109
PCB 188	MG/KG	T				ND (0.00000253)		ND (0.0000034)	ND (0.00000411)	ND (0.00000397)	ND (0.00000445)	ND (0.00000275)
PCB 189	MG/KG	T	0.38	MG/KG		ND (0.00000421)		ND (0.0000041)	0.00000125	0.0000019	0.0000162	0.0000242
PCB 19	MG/KG	T				0.00000103 EMPC		ND (0.00000574)	0.00000961	0.00000929 EMPC	0.0000021	0.00000311
PCB 190	MG/KG	T				0.00000281		0.00000106	0.00000603	0.00000885	0.0000774	0.000141
PCB 191	MG/KG	T				ND (0.00000323)		ND (0.00000391)	0.00000134	0.00000184	0.0000146	0.0000303
PCB 194	MG/KG	T				0.0000103		0.00000408	0.0000307	0.0000412	0.00025	0.000493
PCB 195	MG/KG	T				0.00000309 EMPC		0.00000166	0.00000783	0.0000116	0.0000879	0.000183
PCB 196	MG/KG	T				0.00000561		0.00000194	0.0000165	0.0000233	0.000118	0.00024
PCB 197	MG/KG	T				ND (0.00000267)		ND (0.00000353)	0.00000117	0.00000164	0.00000983	0.0000164
PCB 2	MG/KG	T				ND (0.00000246)		ND (0.0000036)	0.00000739	0.00000815 EMPC	0.00000136	0.00000248
PCB 200	MG/KG	T				0.00000111		ND (0.00000354)	0.0000041	0.00000558	0.0000327	0.0000601
PCB 201	MG/KG	T				0.00000141		ND (0.00000348)	0.00000509	0.00000685	0.0000331	0.0000585
PCB 202	MG/KG	T				0.00000204		ND (0.00000375)	0.00000948	0.0000154	0.0000871	0.000114
PCB 203	MG/KG	T				0.00000795		0.00000265	0.0000313	0.0000433	0.000216	0.000327
PCB 204	MG/KG	T				ND (0.00000282)		ND (0.00000376)	ND (0.00000467)	ND (0.00000403)	ND (0.00000332)	ND (0.00000323)
PCB 205	MG/KG	T				0.00000484 EMPC		ND (0.0000039)	0.00000128	0.00000176	0.0000132	0.0000212
PCB 206	MG/KG	T				0.00000912		0.00000464	0.0000397	0.0000879	0.000477	0.00163
PCB 207	MG/KG	T				0.00000139		ND (0.00000532)	0.00000601	0.0000106	0.0000646	0.0000587
PCB 208	MG/KG	T				0.00000296		0.00000182	0.0000127	0.000031	0.000201	0.000251
PCB 209	MG/KG	T				0.0000385		0.0000212	0.000108	0.000251	0.00269	0.00782
PCB 22	MG/KG	T				0.00000519 B		0.00000235 B	0.0000134	0.00000274 B	0.0000391	0.00000958 B
PCB 23	MG/KG	T				ND (0.00000399)		ND (0.00000542)	ND (0.0000058)	ND (0.00000679)	ND (0.00000619)	ND (0.00000553)
PCB 24	MG/KG	T				ND (0.00000346)		ND (0.00000426)	ND (0.00000443)	ND (0.00000496)	ND (0.00000382)	ND (0.00000268)
PCB 25	MG/KG	T				0.00000953 B		ND (0.00000495)	0.00000712 B	0.00000574 B	0.00000664	0.00000216 B
PCB 27	MG/KG	T				0.00000676		ND (0.00000404)	0.00000637 EMPC	0.00000351 EMPC	0.00000222	0.00000188
PCB 3	MG/KG	T				0.00000818 EMPC		ND (0.00000327)	0.00000145	0.0000011 EMPC	0.00000359	0.0000055
PCB 31	MG/KG	T				0.0000129 B		0.00000584 B	0.00000916 B	0.00000674 B	0.000083	0.0000245 B
PCB 32	MG/KG	T				0.00000332 B		0.00000202 B	0.00000252 B	0.0000022 B	0.0000107	0.00000803 B
PCB 34	MG/KG	T				ND (0.00000383)		ND (0.00000534)	ND (0.00000557)	ND (0.00000652)	ND (0.0000061)	ND (0.00000545)
PCB 35	MG/KG	T				0.00000353		ND (0.00000536)	0.00000997	ND (0.00000675)	0.00000315	0.00000173
PCB 36	MG/KG	T				ND (0.00000359)		ND (0.00000506)	ND (0.00000523)	ND (0.00000612)	ND (0.00000578)	ND (0.00000517)
PCB 37	MG/KG	T				0.0000046		0.00000908 EMPC	0.0000106	0.00000254	0.0000788	0.0000241
PCB 38	MG/KG	T				ND (0.00000408)		ND (0.00000553)	ND (0.00000594)	ND (0.00000696)	ND (0.00000632)	ND (0.00000565)
PCB 39	MG/KG	T				ND (0.00000367)		ND (0.00000514)	ND (0.00000534)	ND (0.00000626)	ND (0.00000587)	ND (0.00000524)
PCB 4	MG/KG	T				0.00000305 B		0.00000306 B	0.00000322 B	0.0000029 B	0.00000574 B	0.00000462 B
PCB 41	MG/KG	T				0.00000136		ND (0.00000354)	ND (0.00000391)	0.00000431 EMPC	0.00000626	0.00000358
PCB 42	MG/KG	T				0.00000311		ND (0.00000318)	0.00000557	0.00000118	0.000026	0.0000173

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB01	S01SB01	S01SB02	S01SB03	S01SB04	S01SB06			
				Date	5/4/10	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/29/08	4/29/08			
				Top (ft)	0	1	1	1	1	1	0	0			
				Bottom (ft)	2	3	3	3	3	3	2	2			
				Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS			
PCB 43	MG/KG	T				0.00000413	EMPC		ND (0.00000379)	ND (0.00000417)	ND (0.00000511)	ND (0.00000496)	ND (0.00000359)		
PCB 45	MG/KG	T				0.0000203			ND (0.00000375)	0.000001	0.00000108	0.00000787	0.0000196		
PCB 46	MG/KG	T				0.00000893			ND (0.00000353)	0.00000103	0.000000462	0.00000231	0.0000065		
PCB 48	MG/KG	T				0.00000256	B		0.00000804	0.00000155	0.000000871	0.000013	0.00000635		
PCB 5	MG/KG	T				ND (0.00000365)			ND (0.00000381)	0.00000199	ND (0.00000403)	ND (0.00000533)	ND (0.00000352)		
PCB 51	MG/KG	T				0.00000472	EMPC		ND (0.00000257)	0.00000038	0.000000319	EMPC	0.0000012	0.00000258	EMPC
PCB 52	MG/KG	T				0.0000169			0.00000306	0.0000187	0.0000104	0.000125	0.000112		
PCB 54	MG/KG	T				ND (0.00000227)			ND (0.00000258)	ND (0.00000284)	ND (0.00000328)	ND (0.00000343)	0.00000607		
PCB 55	MG/KG	T				ND (0.00000315)			ND (0.00000337)	ND (0.00000424)	ND (0.00000504)	ND (0.00000623)	ND (0.00000655)		
PCB 56	MG/KG	T				0.00000568			0.00000656	0.00256	0.0000029	0.0000532	0.0000289		
PCB 57	MG/KG	T				ND (0.00000301)			ND (0.00000332)	ND (0.00000404)	ND (0.0000048)	ND (0.00000613)	ND (0.00000644)		
PCB 58	MG/KG	T				ND (0.00000302)			ND (0.00000337)	ND (0.00000406)	ND (0.00000483)	ND (0.00000623)	ND (0.00000654)		
PCB 6	MG/KG	T				0.00000151	B		0.00000153	0.00000248	0.00000154	0.00000422	0.00000301		
PCB 60	MG/KG	T				0.00000331			ND (0.00000319)	ND (0.0000041)	0.0000012	0.0000266	0.0000123		
PCB 63	MG/KG	T				0.00000487			ND (0.00000301)	ND (0.0000038)	ND (0.00000452)	0.00000354	0.00000174		
PCB 64	MG/KG	T				0.00000574			0.00000099	0.00000513	0.00000304	0.0000431	0.00000505		
PCB 66	MG/KG	T				0.0000111			0.0000011	0.0000135	0.00000527	0.000111	0.0000569		
PCB 67	MG/KG	T				ND (0.00000029)			ND (0.00000311)	ND (0.00000389)	ND (0.00000463)	0.00000298	0.00000145		
PCB 68	MG/KG	T				ND (0.00000285)			ND (0.00000311)	ND (0.00000383)	ND (0.00000455)	0.000000977	0.000000472		
PCB 7	MG/KG	T				ND (0.00000357)			ND (0.00000356)	ND (0.00000458)	0.000000443	0.000000637	0.000000612		
PCB 72	MG/KG	T				ND (0.00000285)			ND (0.00000324)	ND (0.00000383)	ND (0.00000455)	0.00000151	0.00000077		
PCB 73	MG/KG	T				ND (0.00000189)			ND (0.00000221)	ND (0.00000242)	ND (0.00000297)	ND (0.00000289)	ND (0.00000209)		
PCB 77	MG/KG	T	0.11	MG/KG		0.00000168			0.00000206	0.000618	0.00000153	0.0000273	0.0000205		
PCB 78	MG/KG	T				ND (0.00000325)			ND (0.00000328)	ND (0.00000437)	ND (0.0000052)	ND (0.00000606)	ND (0.00000637)		
PCB 79	MG/KG	T				ND (0.00000285)			ND (0.00000287)	ND (0.00000383)	ND (0.00000455)	ND (0.00000531)	ND (0.00000558)		
PCB 8	MG/KG	T				0.00000845	B		0.00000789	0.00000918	0.00000792	0.0000181	0.0000163		
PCB 80	MG/KG	T				ND (0.00000027)			ND (0.00000029)	ND (0.00000362)	ND (0.00000431)	ND (0.00000536)	ND (0.00000563)		
PCB 81	MG/KG	T	0.038	MG/KG		ND (0.00000304)			ND (0.00000315)	ND (0.00000409)	ND (0.00000486)	ND (0.00000582)	ND (0.00000614)		
PCB 82	MG/KG	T				0.00000422			ND (0.00000527)	0.0000474	0.0000044	0.0000305	0.0000362		
PCB 83	MG/KG	T				0.0000014			ND (0.00000574)	0.00000441	0.00000285	EMPC	0.0000146	0.000029	
PCB 84	MG/KG	T				0.00000803			0.00000121	0.0000178	0.0000158	0.0000446	0.000124		
PCB 88	MG/KG	T				ND (0.00000403)			ND (0.00000529)	ND (0.00000678)	ND (0.0000058)	ND (0.00000706)	ND (0.00000795)		
PCB 89	MG/KG	T				ND (0.0000004)			ND (0.00000468)	ND (0.00000673)	ND (0.00000575)	ND (0.00000624)	0.00000391		
PCB 9	MG/KG	T				0.00000062			ND (0.00000357)	0.000000684	0.000000781	0.00000159	0.0000011		
PCB 91	MG/KG	T				0.00000347			ND (0.00000395)	0.00000551	0.00000792	0.0000288	0.0000607		
PCB 92	MG/KG	T				0.00000428			0.000000601	EMPC	0.00000776	0.00000717	0.0000496	0.0000543	
PCB 94	MG/KG	T				ND (0.00000413)			ND (0.00000048)	ND (0.00000695)	ND (0.00000594)	ND (0.00000641)	ND (0.00000721)		
PCB 95	MG/KG	T				0.0000226			0.00000362	0.0000365	0.0000473	0.000165	0.000467		
PCB 96	MG/KG	T				ND (0.00000026)			ND (0.00000349)	ND (0.00000582)	0.00000286	EMPC	0.00000779	EMPC	0.00000512
PCB 98	MG/KG	T				ND (0.00000417)			ND (0.00000481)	ND (0.00000702)	ND (0.0000006)	ND (0.00000642)	ND (0.00000723)		
PCB 99	MG/KG	T				0.00000999			0.00000179	EMPC	0.0000153	0.0000137	0.000124	0.0000965	
PCB-100/93	MG/KG	T				ND (0.00000363)			ND (0.00000044)	ND (0.00000611)	ND (0.00000522)	ND (0.00000586)	0.00000248	EMPC	
PCB-107/124	MG/KG	T				0.00000105			ND (0.000000327)	0.0000022	0.00000187	0.000018	0.0000126		
PCB-108/119/86/97/125/87	MG/KG	T				0.0000169			0.00000272	0.0000312	0.0000206	0.000169	0.000165		
PCB-113/90/101	MG/KG	T				0.0000251			0.00000391	B	0.0000426	0.0000312	0.000275	0.000253	
PCB-116/85	MG/KG	T				0.00000394			ND (0.00000372)	0.00000602	0.00000485	0.000057	0.0000541		
PCB-128/166	MG/KG	T				0.00000614			0.0000017	0.0000131	0.0000237	0.000169	0.000235		
PCB-13/12	MG/KG	T				0.000000911			ND (0.00000363)	0.00000282	ND (0.00000398)	0.00000303	ND (0.00000336)		
PCB-139/140	MG/KG	T				0.000000339	EMPC		ND (0.000000313)	0.00000122	0.00000242	0.00000984	0.0000172		
PCB-147/149	MG/KG	T				0.0000323			0.00000872	0.0000597	0.000119	0.00066	0.00146		
PCB-151/135	MG/KG	T				0.0000138			0.00000368	0.0000243	0.0000478	0.00024	0.000618		
PCB-153/168	MG/KG	T				0.000031			0.00000705	0.0000641	0.0000875	0.000853	0.000979		
PCB-156/157	MG/KG	T				0.00000441			0.00000087	J	0.00000978	0.0000113	0.000116	0.0000956	
PCB-163/138/129	MG/KG	T				0.000045			0.0000087	B	0.00009	0.000141	0.00114	0.00142	

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB01	S01SB01	S01SB02	S01SB03	S01SB04	S01SB06
				Date	5/4/10	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/29/08	4/29/08
				Top (ft)	0	1	1	1	1	1	0	0
				Bottom (ft)	2	3	3	3	3	3	2	2
				Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS
PCB-171/173	MG/KG	T				0.0000443		ND (0.00000555)	0.0000806	0.0000157	0.000106	0.000234
PCB-180/193	MG/KG	T				0.0000337		0.0000121	0.00008	0.00012	0.000903	0.00169
PCB-198/199	MG/KG	T				0.0000134		0.00000493	0.0000466	0.0000689	0.000393	0.000613
PCB-21/33	MG/KG	T				0.0000797 B		0.00000435 B	0.0000703	0.0000046 B	0.0000407	0.0000143 B
PCB-26/29	MG/KG	T				0.0000209 B		0.00000106 B	0.00000163 B	0.00000159 B	0.0000135	0.00000409 B
PCB-28/20	MG/KG	T				0.0000145 B		0.00000666 B	0.0000197 B	0.00000788 B	0.000104	0.0000305 B
PCB-30/18	MG/KG	T				0.0000105 B		0.00000585 B	0.00000718 B	0.00000632 B	0.0000308 B	0.0000145 B
PCB-44/47/65	MG/KG	T				0.0000134 B		0.00000335 B	0.00000428	0.00000635 B	0.0000962	0.0000638
PCB-50/53	MG/KG	T				0.00000162		0.000000373 EMPC	0.00000136	0.00000113	0.00000588	0.0000157
PCB-59/62/75	MG/KG	T				0.00000107		ND (0.0000022)	0.00000166	0.000000381 EMPC	0.00000768	0.0000114
PCB-61/70/74/76	MG/KG	T				0.0000232		0.00000306 B	0.0000632	0.0000128	0.000213	0.000106
PCB-69/49	MG/KG	T				0.00000742		0.00000158 B	0.00000592 B	0.00000333 B	0.0000657	0.0000304
PCB-71/40	MG/KG	T				0.00000575 B		0.00000347 B	0.0000907	0.00000204 B	0.0000297	0.000033
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000231 B		0.0000236 B	0.0000318 B	0.0000238 B	0.0000912 B	0.000062 B
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000122 EMPC		0.0000408	0.000286 EMPC	0.000448	0.00322	0.00659
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000186 EMPC		0.000038 EMPC	0.000366 EMPC	0.000618	0.00421	0.0067
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00000167 EMPC		ND (0.00000366)	0.00000298 EMPC	0.00000265 EMPC	0.0000064	0.00000998
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000135		0.00000646	0.0000584	0.00013	0.000743	0.00194
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000454 EMPC		0.0000153	0.000154	0.00022	0.00124	0.00213
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000168 EMPC		0.0000235 B	0.000405 EMPC	0.000298 EMPC	0.00189 EMPC	0.0025 EMPC
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000108 EMPC		0.0000264 B	0.00425	0.0000548 B	0.00087	0.000602 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000073 B		0.0000349 B	0.000165 B	0.0000415 B	0.000441	0.000151 B
ALUMINUM	MG/KG	T	990000	MG/KG	14200	10600	10400		12600	12600	14200	17200
ANTIMONY	MG/KG	T	410	MG/KG	2.53 J	ND (0.991) UJ	ND (0.97) UJ		ND (1.05) UJ	ND (1.04) UJ	1.2 J	1.62 J
ARSENIC	MG/KG	T	1.6	MG/KG	^4.59	^1.94 J	^2.45 J		^2.66 J	^2.54 J	^2.74 J	0.528 J
BARIIUM	MG/KG	T	190000	MG/KG	42.6	33.7	23.4		29.9	36.1	90.7	90.1
BERYLLIUM	MG/KG	T	2000	MG/KG	0.659	0.434 J	0.407 J		0.304 J	0.285 J	0.322 J	ND (0.0778)
CADMIUM	MG/KG	T	800	MG/KG	0.405 J	0.17 J	0.119 J		0.214 J	0.4 J	0.335 J	0.901
CALCIUM	MG/KG	T			1010	189	132		316	1060	1100	2040
CHROMIUM	MG/KG	T			35.6	8.38	8.77		10.6 J	16.3 J	33.7	71.9
COBALT	MG/KG	T	300	MG/KG	5.93	2.43	2.16		2.05	3.9	5.46	4.88
COPPER	MG/KG	T	41000	MG/KG	31.8	4	3.58		6.87	15.6	35.4	7500
IRON	MG/KG	T	720000	MG/KG	29500	11800	11700		14200	17500	18500	30300
LEAD	MG/KG	T	800	MG/KG	51	3.08 J	3.6 J		23.5	21.6	71.3 J	77.9 J
MAGNESIUM	MG/KG	T			1460	223	237		328	1000	1580	1790
MANGANESE	MG/KG	T	23000	MG/KG	246	67.8	56.6		57	111	216	327
MERCURY	MG/KG	T	43	MG/KG	0.121	0.0165 J	ND (0.0113)		ND (0.0119)	0.0264 J	0.0812 J	0.537
NICKEL	MG/KG	T	20000	MG/KG	12.8	5.11	4.79		5.72	8.16	13.6	24.4
POTASSIUM	MG/KG	T			1340 J	311 J	285 J		420 J	956 J	1000 J	1210 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.07)	ND (1.07)	ND (1.05)		ND (1.14) UJ	ND (1.13) UJ	ND (1.08)	ND (1.12)
SILVER	MG/KG	T	5100	MG/KG	ND (0.196)	ND (0.187)	ND (0.183)		0.306 J	0.315 J	ND (0.188)	2
SODIUM	MG/KG	T			68.5 J	74.1 J	62.2 J		106 J	117	45 J	76.1 J
THALLIUM	MG/KG	T	10	MG/KG	1.74 J	ND (0.165)	ND (0.161)		ND (0.173) UJ	ND (0.169) UJ	ND (0.167)	ND (0.168)
TITANIUM	MG/KG	T				213	204		312	724	1170	3780
VANADIUM	MG/KG	T			41.5	14.5	13.9		15.1	25.8	44.5	864
ZINC	MG/KG	T	310000	MG/KG	47.3	13.5	13.4		22.1	46.7	48	130
C19 to C36 Aliphatics	MG/KG	T										
TOTAL ORGANIC CARBON	MG/KG	T				ND (374)	ND (333)		ND (405)	ND (346)	5290	4440
TPH-DRO	MG/KG	T										
HPCDFS	MG/KG	T				0.0000018 EMPC		0.000000889	0.00000656	0.0000094	0.000163	0.0000658
ORO >C28 - C35	MG/KG	T										

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB07	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB02	S04SB04	S04SB04	S04SB05
				Date	5/13/10	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08	5/1/08	5/1/08	5/1/08
				Top (ft)	1	0	1	0	0	0	1	1.5	1.5	1.5
				Bottom (ft)	3	2	3	2	2	2	3	3.5	3.5	3.5
				Duplicate	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG		54	26	39	45	12 J	ND (8)	ND (6)	ND (7)	22
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG		ND (1)	4 J	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (0.9)	ND (0.9)	1 J
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG		ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
METHYL CHLORIDE	UG/KG	T	500000	UG/KG		ND (2)	2 J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG		ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG		ND (1)	ND (0.9)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (0.9)	ND (0.9)	ND (1)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG		ND (1)	ND (0.9)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (0.9)	ND (0.9)	ND (1)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	140 J	ND (41)	ND (38)	ND (38)	ND (39)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	1500	ND (41)	ND (38)	ND (38)	ND (39)
ACENAPHTHYLENE	UG/KG	T				ND (37)	ND (41)	ND (37)	ND (36)	1400	ND (41)	ND (38)	ND (38)	ND (39)
ANTHRACENE	UG/KG	T	170000000	UG/KG		ND (37)	ND (41)	ND (37)	80 J	5000	ND (41)	ND (38)	ND (38)	ND (39)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG		76 J	ND (41)	42 J	140 J	^12000	ND (41)	ND (38)	ND (38)	ND (39)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG		99 J	86 J	65 J	120 J	^11000	ND (41)	ND (38)	ND (38)	46 J
BENZO(G,H,I)PERYLENE	UG/KG	T				51 J	ND (41)	ND (37)	42 J	4400	ND (41)	ND (38)	ND (38)	ND (39)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG		52 J	ND (41)	ND (37)	67 J	3800	ND (41)	ND (38)	ND (38)	ND (39)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG		79 J	ND (41)	37 J	98 J	^9100	ND (41)	ND (38)	ND (38)	ND (39)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG		ND (74)	ND (81)	ND (73)	ND (73)	ND (71)	ND (75)	230 J	93 J	120 J
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG		ND (74)	ND (81)	ND (73)	ND (73)	ND (71)	ND (75)	160 J	160 J	150 J
CARBAZOLE	UG/KG	T				ND (37)	ND (41)	ND (37)	ND (36)	330	ND (41)	ND (38)	ND (38)	ND (39)
CHRYSENE	UG/KG	T	210000	UG/KG		77 J	ND (41)	71 J	130 J	10000	ND (41)	ND (38)	ND (38)	ND (39)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	^1500	ND (41)	ND (38)	ND (38)	ND (39)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	900	ND (41)	ND (38)	ND (38)	ND (39)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG		ND (74)	ND (81)	ND (73)	ND (73)	ND (71)	ND (75)	ND (75)	ND (75)	ND (77)
FLUORANTHENE	UG/KG	T	22000000	UG/KG		110 J	ND (41)	69 J	260	27000	ND (41)	ND (38)	ND (38)	64 J
FLUORENE	UG/KG	T	22000000	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	2400	ND (41)	ND (38)	ND (38)	ND (39)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG		ND (37)	ND (41)	130 J	ND (36)	150 J	ND (41)	ND (38)	ND (38)	ND (39)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG		45 J	ND (41)	ND (37)	45 J	^4500	ND (41)	ND (38)	ND (38)	ND (39)
NAPHTHALENE	UG/KG	T	18000	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	44 J	ND (41)	ND (38)	ND (38)	ND (39)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG		ND (37)	ND (41)	ND (37)	ND (36)	ND (35)	ND (38)	ND (41)	ND (38)	ND (39)
PHENANTHRENE	UG/KG	T				ND (37)	ND (41)	39 J	290	18000	ND (41)	ND (38)	ND (38)	42 J
PYRENE	UG/KG	T	17000000	UG/KG		120 J	ND (41)	77 J	230	22000	ND (41)	ND (38)	ND (38)	58 J
1,2,3,4,6,7,8-HPCDD	MG/KG	T									0.00000196 J	0.000103	0.000136	0.000211
1,2,3,4,6,7,8-HPCDF	MG/KG	T									0.00000308 J	0.00000229 J	ND (0.00000418)	0.0000535
1,2,3,4,7,8,9-HPCDF	MG/KG	T									ND (0.000000178)	0.00000081 J	ND (0.000000559)	0.00000873
1,2,3,4,7,8-HXCDD	MG/KG	T									ND (0.000000307)	0.00000114 J	0.0000015 EMPC J	0.00000155 J
1,2,3,4,7,8-HXCDF	MG/KG	T									ND (0.000000116)	0.000000454 EMPC J	ND (0.000000461)	0.00000693
1,2,3,6,7,8-HXCDD	MG/KG	T									ND (0.000000328)	0.0000017 J	0.00000273 EMPC	0.00000273
1,2,3,6,7,8-HXCDF	MG/KG	T									ND (0.0000000943)	ND (0.000000237) UJ	ND (0.000000436)	0.00000391
1,2,3,7,8,9-HXCDD	MG/KG	T									ND (0.000000334)	0.00000231 J	0.00000383	0.00000268
1,2,3,7,8,9-HXCDF	MG/KG	T									ND (0.000000154)	ND (0.000000313)	ND (0.000000691)	0.00000188 J
1,2,3,7,8-PECDD	MG/KG	T									ND (0.000000279)	0.000000319 EMPC J	0.000000531 EMPC J	0.000000858 EMPC J
1,2,3,7,8-PECDF	MG/KG	T									ND (0.00000016)	ND (0.000000308)	ND (0.000000576)	0.00000248
2,3,4,6,7,8-HXCDF	MG/KG	T									ND (0.000000113)	0.000000238 J	ND (0.000000458)	0.00000414
2,3,4,7,8-PECDF	MG/KG	T									ND (0.000000133)	ND (0.000000271)	ND (0.000000472)	0.00000352
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG							ND (0.000000125)	ND (0.000000182)	ND (0.00000053)	0.000000812 EMPC
2,3,7,8-TCDF	MG/KG	T									ND (0.0000000935)	0.000000114 EMPC J	ND (0.000000488)	0.00000203
HPCDDs	MG/KG	T									0.00000578	0.000347	0.000427	0.000513
HXCDDs	MG/KG	T									0.00000697	0.000117 EMPC	0.000141 EMPC	0.000105
HXCDFs	MG/KG	T									ND (0.000000116)	0.00000217 EMPC	ND (0.0000005)	0.0000461
OCDD	MG/KG	T									0.0000687	0.00395	0.0062	0.0187 J
OCDF	MG/KG	T									0.00000353 J	0.0000336	ND (0.00000128)	0.000295
TCDDs	MG/KG	T									0.00000241	0.00000106	ND (0.00000053)	0.0000104 EMPC
TCDFs	MG/KG	T									ND (0.0000000935)	0.000000847 EMPC	ND (0.000000488)	0.0000333 EMPC
TOTAL HPCDD	MG/KG	T												

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< and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB07	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB02	S04SB04	S04SB04	S04SB05
				Date	5/13/10	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08	5/1/08	5/1/08	5/1/08
				Top (ft)	1	0	1	0	0	0	1	1.5	1.5	1.5
				Bottom (ft)	3	2	3	2	2	2	3	3.5	3.5	3.5
				Duplicate	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS
TOTAL HPCDF	MG/KG	T												
TOTAL HXCDD	MG/KG	T												
TOTAL HXCDF	MG/KG	T												
TOTAL PECDD	MG/KG	T												
TOTAL PECDDS	MG/KG	T									0.00000102	0.0000112 EMPC	0.0000155 EMPC	0.0000186 EMPC
TOTAL PECDF	MG/KG	T												
TOTAL PECDFS	MG/KG	T									ND (0.000000146)	ND (0.000000289)	ND (0.000000522)	0.0000354 EMPC
PCB 1	MG/KG	T									ND (0.000000392)	ND (0.000000245)	ND (0.00000036)	0.0000137
PCB 10	MG/KG	T									ND (0.000000162)	ND (0.000000189)	ND (0.000000157)	0.00000119
PCB 102	MG/KG	T									ND (0.000000197)	0.00000143	ND (0.000000219)	0.0000122
PCB 103	MG/KG	T									ND (0.000000194)	ND (0.000000192)	ND (0.000000211)	0.0000048
PCB 104	MG/KG	T									ND (0.0000000933)	ND (0.0000000791)	ND (0.000000089)	ND (0.0000000673)
PCB 105	MG/KG	T	0.38	MG/KG							0.00000121	0.0000141	0.000000786 J	0.000303
PCB 106	MG/KG	T									ND (0.000000162)	ND (0.000000154)	ND (0.000000169)	ND (0.000000118)
PCB 109	MG/KG	T									ND (0.000000149)	0.000002	ND (0.000000161)	0.0000637
PCB 11	MG/KG	T									0.0000145 B	0.0000104 B	0.0000223	0.0000125 B
PCB 110	MG/KG	T									0.00000518	0.0000857	0.00000425	0.000999
PCB 111	MG/KG	T									ND (0.000000154)	ND (0.000000147)	ND (0.000000162)	0.000000935 EMPC
PCB 112	MG/KG	T									ND (0.000000165)	ND (0.000000158)	ND (0.000000174)	ND (0.000000121)
PCB 114	MG/KG	T	0.38	MG/KG							ND (0.000000156)	ND (0.000000148)	ND (0.00000016)	0.0000142
PCB 115	MG/KG	T									ND (0.00000015)	ND (0.000000142)	ND (0.000000156)	ND (0.000000109)
PCB 117	MG/KG	T									ND (0.000000165)	0.000000763	ND (0.000000177)	ND (0.000000123)
PCB 118	MG/KG	T	0.38	MG/KG							0.00000237	0.0000347	0.00000195	0.000784
PCB 120	MG/KG	T									ND (0.000000153)	ND (0.000000148)	ND (0.000000163)	0.00000478
PCB 121	MG/KG	T									ND (0.000000156)	ND (0.000000151)	ND (0.000000166)	ND (0.000000116)
PCB 122	MG/KG	T									ND (0.000000171)	ND (0.000000162)	ND (0.000000176)	0.00000746
PCB 123	MG/KG	T	0.38	MG/KG							ND (0.000000161)	0.000000944 J	ND (0.000000171)	0.0000151
PCB 126	MG/KG	T	0.00011	MG/KG							ND (0.000000126)	ND (0.000000168)	ND (0.000000166)	0.0000126
PCB 127	MG/KG	T									ND (0.000000154)	ND (0.000000142)	ND (0.000000146)	ND (0.000000111)
PCB 130	MG/KG	T									0.000000573 EMPC	0.00000928	ND (0.0000002)	0.000141
PCB 131	MG/KG	T									ND (0.00000016)	0.00000206	ND (0.000000203)	0.0000185
PCB 132	MG/KG	T									0.00000276	0.0000752	0.0000022	0.000652
PCB 133	MG/KG	T									ND (0.00000015)	0.00000261	ND (0.000000187)	0.0000382
PCB 134	MG/KG	T									ND (0.000000173)	0.0000114	ND (0.000000222)	0.000106
PCB 136	MG/KG	T									0.00000095	0.0000427	0.000000798 EMPC	0.000244
PCB 137	MG/KG	T									ND (0.000000141)	0.00000398	ND (0.000000179)	0.0000537
PCB 14	MG/KG	T									ND (0.000000235)	ND (0.0000002)	ND (0.00000027)	ND (0.000000141)
PCB 141	MG/KG	T									0.00000139	0.0000556	0.00000109	0.000553
PCB 143	MG/KG	T									ND (0.000000149)	ND (0.000000125)	ND (0.000000183)	ND (0.000000116)
PCB 144	MG/KG	T									ND (0.000000141)	0.0000164	0.000000388	0.000101
PCB 145	MG/KG	T									ND (0.000000118)	ND (0.0000000996)	ND (0.000000133)	ND (0.0000000979)
PCB 146	MG/KG	T									0.00000118	0.0000314	0.000000772 EMPC	0.000399
PCB 148	MG/KG	T									ND (0.000000147)	ND (0.000000125)	ND (0.000000184)	ND (0.000000116)
PCB 15	MG/KG	T									ND (0.000000255)	0.00000244	ND (0.000000298)	0.0000435
PCB 150	MG/KG	T									ND (0.000000113)	ND (0.0000000965)	ND (0.000000129)	ND (0.0000000948)
PCB 152	MG/KG	T									ND (0.00000011)	ND (0.0000000919)	ND (0.000000123)	ND (0.0000000903)
PCB 154	MG/KG	T									ND (0.000000127)	ND (0.000000108)	ND (0.000000159)	0.0000203
PCB 158	MG/KG	T									0.000000878	0.0000192	0.000000506	0.000231
PCB 159	MG/KG	T									ND (0.00000015)	0.00000448	ND (0.000000214)	0.0000298
PCB 16	MG/KG	T									ND (0.000000251)	0.000000614 EMPC	ND (0.000000233)	0.0000286
PCB 162	MG/KG	T									ND (0.000000144)	0.000000365	ND (0.000000209)	0.00000932
PCB 164	MG/KG	T									0.000000076	0.000018	0.000000377 EMPC	0.000195
PCB 165	MG/KG	T									ND (0.00000012)	ND (0.000000102)	ND (0.00000015)	ND (0.0000000948)
PCB 167	MG/KG	T	0.38	MG/KG							0.000000292 EMPCJ	0.0000064	ND (0.000000224)	0.000109

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< and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB07	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB02	S04SB04	S04SB04	S04SB05
				Date	5/13/10	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08	5/1/08	5/1/08	5/1/08
				Top (ft)	1	0	1	0	0	0	1	1.5	1.5	1.5
				Bottom (ft)	3	2	3	2	2	2	3	3.5	3.5	3.5
				Duplicate	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG							ND (0.00000015)	0.000000865 J	ND (0.000000228)	0.00000896
PCB 17	MG/KG	T									0.000000402	0.000000806	0.000000428	0.0000284
PCB 170	MG/KG	T									0.00000356	0.000108	0.00000189	0.00117
PCB 172	MG/KG	T									0.000000728 EMPC	0.0000204	ND (0.000000276)	0.000227
PCB 174	MG/KG	T									0.00000414	0.000124	0.00000233	0.00128
PCB 175	MG/KG	T									ND (0.000000181)	0.00000471	ND (0.000000255)	0.0000428
PCB 176	MG/KG	T									0.000000501	0.000016	0.000000252 EMPC	0.000116
PCB 177	MG/KG	T									0.00000205	0.0000671	0.00000112	0.000694
PCB 178	MG/KG	T									0.000000907	0.0000243	0.000000436	0.000278
PCB 179	MG/KG	T									0.00000192	0.0000566	0.00000103	0.000463
PCB 181	MG/KG	T									ND (0.000000176)	ND (0.000000221)	ND (0.000000252)	ND (0.000000531)
PCB 182	MG/KG	T									ND (0.000000171)	ND (0.000000214)	ND (0.000000245)	ND (0.000000516)
PCB 183	MG/KG	T									0.00000245	0.0000649	0.00000115	0.000719
PCB 184	MG/KG	T									ND (0.000000145)	ND (0.0000000931)	ND (0.000000154)	0.00000147 EMPC
PCB 185	MG/KG	T									ND (0.000000189)	0.0000175	ND (0.000000262)	0.000098 EMPC
PCB 186	MG/KG	T									ND (0.00000014)	ND (0.0000000876)	ND (0.000000145)	ND (0.000000765)
PCB 187	MG/KG	T									0.00000732	0.000151	0.0000026	0.00177
PCB 188	MG/KG	T									ND (0.000000125)	ND (0.0000000806)	ND (0.000000133)	0.00000356
PCB 189	MG/KG	T	0.38	MG/KG							ND (0.000000139)	0.00000333	ND (0.000000177)	0.0000465
PCB 19	MG/KG	T									ND (0.000000209)	0.000000211	ND (0.000000193)	0.00000667
PCB 190	MG/KG	T									ND (0.000000131)	0.0000206	ND (0.000000187)	0.000214
PCB 191	MG/KG	T									ND (0.000000138)	0.00000443	ND (0.000000198)	0.0000403
PCB 194	MG/KG	T									0.00000352	0.0000594	0.00000103 EMPC	0.000739
PCB 195	MG/KG	T									0.00000103	0.0000252	ND (0.000000219)	0.000293
PCB 196	MG/KG	T									0.00000183	0.0000327	0.000000541	0.000308
PCB 197	MG/KG	T									ND (0.000000142)	0.00000228	ND (0.00000018)	0.0000268
PCB 2	MG/KG	T									ND (0.000000126)	0.000000391	0.000000457 EMPC	0.00000785
PCB 200	MG/KG	T									0.000000516	0.00000866	ND (0.000000176)	0.0000948
PCB 201	MG/KG	T									0.000000693	0.00000837	ND (0.000000175)	0.000103
PCB 202	MG/KG	T									0.00000119	0.0000109	ND (0.000000179)	0.000243
PCB 203	MG/KG	T									0.00000306	0.0000385	0.000000693 EMPC	0.000503
PCB 204	MG/KG	T									ND (0.00000015)	ND (0.000000122)	ND (0.000000187)	0.00000103
PCB 205	MG/KG	T									ND (0.000000154)	0.00000286	ND (0.000000158)	0.0000333
PCB 206	MG/KG	T									0.00000288	0.0000187	ND (0.000000402)	0.000502
PCB 207	MG/KG	T									0.000000562 EMPC	0.00000383	ND (0.000000295)	0.0000778
PCB 208	MG/KG	T									0.000000999	0.00000614	ND (0.000000311)	0.000176
PCB 209	MG/KG	T									0.00000738	0.000105	0.00000342	0.00218
PCB 22	MG/KG	T									0.000000502	0.00000141	0.000000377	0.0000379
PCB 23	MG/KG	T									ND (0.000000169)	ND (0.000000145)	ND (0.000000155)	ND (0.000000215)
PCB 24	MG/KG	T									ND (0.000000163)	ND (0.00000012)	ND (0.000000153)	0.000000814
PCB 25	MG/KG	T									ND (0.000000152)	0.000000296 EMPC	ND (0.000000141)	0.00000658
PCB 27	MG/KG	T									ND (0.000000154)	0.000000177 EMPC	ND (0.000000144)	0.00000424
PCB 3	MG/KG	T									ND (0.000000121)	0.00000131	0.000000646 EMPC	0.0000182
PCB 31	MG/KG	T									0.00000102 B	0.0000038	0.000000921 B	0.0000939
PCB 32	MG/KG	T									0.000000276	0.000000993	0.000000314	0.0000216
PCB 34	MG/KG	T									ND (0.000000167)	ND (0.000000139)	ND (0.00000015)	0.000000547
PCB 35	MG/KG	T									ND (0.000000169)	0.000000279	ND (0.000000155)	0.00000421
PCB 36	MG/KG	T									ND (0.000000158)	ND (0.00000013)	ND (0.00000014)	ND (0.000000193)
PCB 37	MG/KG	T									0.000000493	0.00000341	0.000000212 EMPC	0.0000643
PCB 38	MG/KG	T									ND (0.000000171)	ND (0.000000145)	ND (0.000000156)	ND (0.000000216)
PCB 39	MG/KG	T									ND (0.000000157)	ND (0.000000133)	ND (0.000000143)	0.00000135
PCB 4	MG/KG	T									ND (0.000000229)	ND (0.000000271)	ND (0.000000225)	0.0000205
PCB 41	MG/KG	T									ND (0.000000202)	0.000000333	ND (0.000000196)	0.0000142
PCB 42	MG/KG	T									ND (0.000000177)	0.00000143	ND (0.000000171)	0.0000502

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB07	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB02	S04SB04	S04SB04	S04SB05
				Date	5/13/10	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08	5/1/08	5/1/08	5/1/08
				Top (ft)	1	0	1	0	0	0	1	1.5	1.5	1.5
				Bottom (ft)	3	2	3	2	2	2	3	3.5	3.5	3.5
				Duplicate	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS
PCB 43	MG/KG	T									ND (0.00000198)	ND (0.00000139)	ND (0.00000205)	0.00000664
PCB 45	MG/KG	T									ND (0.00000213)	0.00000106	ND (0.0000021)	0.0000291
PCB 46	MG/KG	T									ND (0.00000199)	ND (0.0000013)	ND (0.00000191)	0.00000847
PCB 48	MG/KG	T									ND (0.00000167)	0.00000655 EMPC	ND (0.00000163)	0.0000296
PCB 5	MG/KG	T									ND (0.00000287)	ND (0.00000248)	ND (0.00000335)	0.00000172
PCB 51	MG/KG	T									ND (0.00000144)	0.000000382	ND (0.00000137)	0.00000443
PCB 52	MG/KG	T									0.00000111 EMPC	0.0000162	0.00000165	0.000322
PCB 54	MG/KG	T									ND (0.00000087)	ND (0.000000768)	ND (0.000000977)	0.00000037
PCB 55	MG/KG	T									ND (0.00000204)	ND (0.00000183)	ND (0.00000183)	ND (0.0000023)
PCB 56	MG/KG	T									0.000000696	0.00000351	ND (0.00000175)	0.0000968
PCB 57	MG/KG	T									ND (0.00000197)	ND (0.00000175)	ND (0.00000175)	0.000000733
PCB 58	MG/KG	T									ND (0.00000198)	ND (0.00000176)	ND (0.00000175)	ND (0.0000022)
PCB 6	MG/KG	T									ND (0.00000276)	0.000000242	ND (0.00000318)	0.00000876
PCB 60	MG/KG	T									ND (0.00000199)	0.00000201	ND (0.00000178)	0.0000518
PCB 63	MG/KG	T									ND (0.0000018)	ND (0.00000161)	ND (0.00000161)	0.00000715
PCB 64	MG/KG	T									0.000000539	0.0000036	0.000000358	0.0000812
PCB 66	MG/KG	T									0.00000104	0.00000861	0.000000405 EMPC	0.000212
PCB 67	MG/KG	T									ND (0.0000018)	ND (0.00000163)	ND (0.00000163)	0.00000419
PCB 68	MG/KG	T									ND (0.00000183)	ND (0.00000163)	ND (0.00000163)	0.00000206
PCB 7	MG/KG	T									ND (0.00000275)	ND (0.00000236)	ND (0.00000319)	0.00000201
PCB 72	MG/KG	T									ND (0.00000189)	ND (0.00000166)	ND (0.00000166)	0.00000277
PCB 73	MG/KG	T									ND (0.00000129)	ND (0.000000815)	ND (0.00000012)	ND (0.00000102)
PCB 77	MG/KG	T	0.11	MG/KG							0.000000545 J	0.00000229	ND (0.00000168)	0.0000527
PCB 78	MG/KG	T									ND (0.00000203)	ND (0.00000178)	ND (0.00000178)	0.000000559 EMPC
PCB 79	MG/KG	T									ND (0.00000175)	ND (0.00000153)	ND (0.00000153)	0.00000663
PCB 8	MG/KG	T									ND (0.00000273)	0.0000014	0.0000012	0.0000445
PCB 80	MG/KG	T									ND (0.00000175)	ND (0.00000156)	ND (0.00000156)	0.00000322
PCB 81	MG/KG	T	0.038	MG/KG							ND (0.00000196)	ND (0.00000173)	ND (0.00000172)	0.00000251
PCB 82	MG/KG	T									ND (0.00000247)	0.00000408	ND (0.00000264)	0.0000808
PCB 83	MG/KG	T									ND (0.00000254)	0.00000278 EMPC	ND (0.00000277)	0.000521
PCB 84	MG/KG	T									0.000000923 EMPC	0.0000142	0.000000686	0.000158
PCB 88	MG/KG	T									ND (0.00000225)	ND (0.00000224)	ND (0.00000247)	ND (0.00000172)
PCB 89	MG/KG	T									ND (0.00000225)	ND (0.00000216)	ND (0.00000238)	ND (0.00000165)
PCB 9	MG/KG	T									0.00000264 B	0.00000262 B	0.00000283 B	0.00000568 B
PCB 91	MG/KG	T									ND (0.00000201)	0.00000749	0.000000322 EMPC	0.0000818
PCB 92	MG/KG	T									ND (0.00000209)	0.0000108	ND (0.00000226)	0.000162
PCB 94	MG/KG	T									ND (0.00000226)	ND (0.00000223)	ND (0.00000245)	0.0000029
PCB 95	MG/KG	T									0.00000236	0.0000931	0.00000355	0.000587
PCB 96	MG/KG	T									ND (0.00000108)	0.000000413	ND (0.00000102)	0.00000389
PCB 98	MG/KG	T									ND (0.00000218)	ND (0.00000208)	ND (0.00000228)	ND (0.00000159)
PCB 99	MG/KG	T									0.000000697 EMPC	0.0000139	0.00000103	ND (0.00000132)
PCB-100/93	MG/KG	T									ND (0.00000201)	ND (0.0000002)	ND (0.00000022)	0.00000464
PCB-107/124	MG/KG	T									ND (0.0000016)	0.0000015 EMPC	ND (0.00000168)	0.0000359
PCB-108/119/86/97/125/87	MG/KG	T									0.00000189 B	0.0000239 B	0.00000231 B	0.000483
PCB-113/90/101	MG/KG	T									0.00000185	0.000059	0.00000283	0.000926
PCB-116/85	MG/KG	T									ND (0.00000188)	0.00000564	ND (0.00000195)	0.000144
PCB-128/166	MG/KG	T									0.00000133	0.0000245	0.000000807	0.000311
PCB-13/12	MG/KG	T									ND (0.0000028)	ND (0.0000024)	ND (0.00000325)	0.0000093
PCB-139/140	MG/KG	T									ND (0.00000141)	0.00000135	ND (0.0000018)	0.0000227
PCB-147/149	MG/KG	T									0.00000676	0.000238	0.00000563	0.00183
PCB-151/135	MG/KG	T									0.00000247	0.000115	0.00000247	0.000723
PCB-153/168	MG/KG	T									0.00000532	0.0002	0.00000441	0.00255
PCB-156/157	MG/KG	T									0.00000655 EMPCJ	0.0000122	ND (0.00000299)	0.000247
PCB-163/138/129	MG/KG	T									0.00000827	0.000216	0.00000578	0.00283

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB07	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB02	S04SB04	S04SB04	S04SB05	
				Date	5/13/10	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08	5/1/08	5/1/08	5/1/08	
				Top (ft)	1	0	1	0	0	0	1	1.5	1.5	1.5	
				Bottom (ft)	3	2	3	2	2	2	3	3.5	3.5	3.5	
				Duplicate	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	
PCB-171/173	MG/KG	T									0.00000117	0.0000339	0.000000429	EMPC	0.000326
PCB-180/193	MG/KG	T									0.00000982	0.000261	0.00000424		0.00278
PCB-198/199	MG/KG	T									0.00000494	0.0000652	0.00000104		0.000878
PCB-21/33	MG/KG	T									0.000000905	0.000002	0.000000576		0.0000469
PCB-26/29	MG/KG	T									ND (0.000000165)	0.000000634	0.000000283		0.0000142
PCB-28/20	MG/KG	T									0.00000118 B	0.00000476	0.000000995 B		0.0000957
PCB-30/18	MG/KG	T									0.000000737 B	0.00000174 B	0.000000944 B		0.000066
PCB-44/47/65	MG/KG	T									0.00000169	0.00000659	0.00000116		0.000211
PCB-50/53	MG/KG	T									ND (0.000000162)	0.00000164	ND (0.000000155)		0.000021
PCB-59/62/75	MG/KG	T									ND (0.000000125)	0.000000662	ND (0.00000012)		0.0000143
PCB-61/70/74/76	MG/KG	T									0.00000176	0.0000172	0.00000109		0.000431
PCB-69/49	MG/KG	T									0.000000413 EMPC	0.00000404	0.000000627		0.000141
PCB-71/40	MG/KG	T									ND (0.000000158)	0.00000216	ND (0.000000152)		0.0000577
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.0000171 B	0.0000171 B	0.00000263 B		0.00015
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.0000346 EMPC	0.000978	0.0000155 EMPC		0.0103 EMPC
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.0000336 EMPC	0.00111	0.0000252 EMPC		0.0114
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T									ND (0.000000256)	0.0000017	0.0000011 EMPC		0.0000398
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.00000444 EMPC	0.0000287	ND (0.000000357)		0.000755
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.0000168	0.000254	0.0000033 EMPC		0.00322
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.0000165 B	0.000376 EMPC	0.0000177 B		0.00541 EMPC
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.0000078 EMPC	0.0000724 EMPC	0.00000529 EMPC		0.00186 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T									0.00000551 B	0.0000211 EMPC	0.00000505 B		0.000522
ALUMINUM	MG/KG	T	990000	MG/KG	11200	45700	8100	16700	14500	14800	6660	9990	11000		14000
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.06)	ND (1.21)	ND (1.07)	ND (1.07)	ND (1.04) UJ	ND (1.12) UJ	ND (1.06) UJ	ND (1) UJ	ND (1.02) UJ		ND (1.03) UJ
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 2.02 J	<sup>^</sup> 6.73	1.14 J	<sup>^</sup> 3.06	<sup>^</sup> 2.55	<sup>^</sup> 3.19	1.56 J	<sup>^</sup> 3.64 J	<sup>^</sup> 3.88 J		<sup>^</sup> 4.8 J
BARIIUM	MG/KG	T	190000	MG/KG	30.3	81.1	56	62.3	70.4	44	16.3	33.7	30.3		62
BERYLLIUM	MG/KG	T	2000	MG/KG	0.466 J	1.2	1.22	0.583	0.575	0.442 J	0.805	0.523 J	0.583		0.655
CADMIUM	MG/KG	T	800	MG/KG	0.238 J	0.309 J	0.487 J	0.297 J	0.886	0.866	ND (0.383)	ND (0.36)	ND (0.368)		ND (0.0739)
CALCIUM	MG/KG	T			901	670 J	236 J	557	1020	684	683	564 J	921 J		775 J
CHROMIUM	MG/KG	T			9.17	52.4	44.2	23.5	29.9 J	24 J	29.7 J	28.7	31.1		31.5
COBALT	MG/KG	T	300	MG/KG	2.89	5.26	1.7	4.39	4.76	3.22	3.36	5.42	14.5		5.97
COPPER	MG/KG	T	41000	MG/KG	9.13	853	5390	81.7	33.6	10.2	16.7 J	7.66	9.44		17.4
IRON	MG/KG	T	720000	MG/KG	12200	46800	18300	17300	18100	18500	40400	22500	25200		21000
LEAD	MG/KG	T	800	MG/KG	42.3	27.6 J	80.1 J	23.7	75.9	10.4	6.52	7.58	7.66		50.7
MAGNESIUM	MG/KG	T			504	2020	547	1230	1310	1590	434	1380	1450		2340
MANGANESE	MG/KG	T	23000	MG/KG	130	110 J	139 J	129	228 J	103 J	112	97.5 J	134 J		145 J
MERCURY	MG/KG	T	43	MG/KG	ND (0.0125)	0.836	0.185	0.0309 J	0.0539 J	ND (0.0126)	ND (0.0124)	ND (0.0114)	0.0161 J		0.0786 J
NICKEL	MG/KG	T	20000	MG/KG	7.79	18.9	6.15	9.39	15.8 J	8.55 J	13.6	9.88	10.7		12.9
POTASSIUM	MG/KG	T			383 J	1490 J	423 J	789 J	660 J	808 J	320	805 J	884 J		1020 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.04)	ND (1.18)	ND (1.04)	ND (1.05)			ND (1.15) UJ	ND (1.09)	ND (1.11)		ND (1.11)
SILVER	MG/KG	T	5100	MG/KG	ND (0.191)	0.29 J	ND (1.92)	ND (0.192)			ND (0.2)	ND (0.189)	ND (0.192)		ND (0.193)
SODIUM	MG/KG	T				ND (45)	ND (39.8)		45.8 J	52.2 J	324	253	262		115
THALLIUM	MG/KG	T	10	MG/KG	ND (1.54)	1.82 J	ND (1.55)	ND (1.55)			ND (0.184)	ND (0.165)	ND (0.17)		ND (0.169)
TITANIUM	MG/KG	T			366	1420 J	3340 J	947			541	507	571		928
VANADIUM	MG/KG	T			17.1	960	1470	146	40.6	35.2	70.9	50.4	58.5		41.9
ZINC	MG/KG	T	310000	MG/KG	90.5	38.2	11.9	25.7	37.6	24.5	24.5	27.6	28.1		53.7
C19 to C36 Aliphatics	MG/KG	T													
TOTAL ORGANIC CARBON	MG/KG	T									ND (463)	ND (441)	ND (450)		4770
TPH-DRO	MG/KG	T													
HPCDFS	MG/KG	T									0.00000059	0.000007	ND (0.000000483)		0.0000877
ORO >C28 - C35	MG/KG	T													

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				Date	5/2/08	6/4/08	5/11/10	5/11/10	5/11/10	5/10/10	5/11/10	5/10/10	5/11/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10	
				Top (ft)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG	15 J	9 J													
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (0.9)	ND (1)													
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG	ND (2)	ND (2)													
METHYL CHLORIDE	UG/KG	T	500000	UG/KG	ND (2)	ND (2)													
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	ND (4)													
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (0.9)	ND (1)													
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (0.9)	ND (1)													
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	110000	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	7800	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
ACENAPHTHYLENE	UG/KG	T			2000 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
ANTHRACENE	UG/KG	T	170000000	UG/KG	4400 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	1100 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	1100 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	42 J			
BENZO(G,H,I)PERYLENE	UG/KG	T			460 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	58 J			
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	400 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	^570 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	44 J			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (720)	ND (76)	ND (74)	ND (72)	ND (73)			ND (72)	ND (73)	ND (72)	ND (72)	110 J			
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (720)	ND (76)	ND (74)	ND (72)	ND (73)			ND (72)	ND (73)	ND (72)	ND (72)	ND (72)			
CARBAZOLE	UG/KG	T			2800 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
CHRYSENE	UG/KG	T	210000	UG/KG	1200 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	58 J			
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (360)	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	7200	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (720)	ND (76)	ND (74)	ND (72)	ND (73)			ND (72)	ND (73)	ND (72)	ND (72)	ND (72)			
FLUORANTHENE	UG/KG	T	22000000	UG/KG	5500 J	ND (38)	44 J	ND (36)	ND (37)			46 J	ND (36)	51 J	59 J	59 J			
FLUORENE	UG/KG	T	22000000	UG/KG	14000	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (360)	59 J	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	330	330	570			
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	460 J	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
NAPHTHALENE	UG/KG	T	18000	UG/KG	15000	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	15000	90 J	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	ND (36)			
PHENANTHRENE	UG/KG	T			34000	ND (38)	ND (37)	ND (36)	ND (37)			ND (36)	ND (36)	ND (36)	ND (36)	40 J			
PYRENE	UG/KG	T	17000000	UG/KG	6300 J	ND (38)	41 J	ND (36)	ND (37)			46 J	ND (36)	67 J	80 J	80 J			
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000669	0.00000529													
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000118	0.00000233 J													
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000365	0.000000769 J													
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000667	EMPC J	ND (0.000000167)												
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000338	0.000000335 J													
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000164	EMPC J	ND (0.000000184)												
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000118	EMPC J	ND (0.000000239)												
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000194	EMPC J	ND (0.000000187)												
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.00000138)	ND (0.000000239)													
1,2,3,7,8-PECDD	MG/KG	T			ND (0.000000761)	ND (0.000000229)													
1,2,3,7,8-PECDF	MG/KG	T			0.000001 J	ND (0.000000239)													
2,3,4,6,7,8-HXCDF	MG/KG	T			0.00000121 J	ND (0.000000239)													
2,3,4,7,8-PECDF	MG/KG	T			0.000000737	EMPC J	ND (0.000000196)												
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000413)	ND (0.000000127)													
2,3,7,8-TCDF	MG/KG	T			0.000000553	EMPC	0.000000011 J												
HPCDDs	MG/KG	T			0.000176	0.0000107													
HXCDDs	MG/KG	T			0.0000733	EMPC	0.000000996												
HXCDFs	MG/KG	T			0.0000126	EMPC	0.00000146	EMPC											
OCDD	MG/KG	T			0.00277	0.000411													
OCDF	MG/KG	T			0.000201	0.000123													
TCDDs	MG/KG	T			0.00000272	EMPC	ND (0.000000127)												
TCDFs	MG/KG	T			0.00000954	EMPC	0.00000011												
TOTAL HPCDD	MG/KG	T																	

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**Summary of Surface Soil Analytical Results**  
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 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB08	S04SB09	S04SB09	S04SB10	S04SB11	S04SB12	S04SB13	S04SB14	S04SB15	S04SB16			
				Date	5/2/08	6/4/08	5/11/10	5/11/10	5/11/10	5/10/10	5/11/10	5/10/10	5/11/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10
				Top (ft)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T																	
TOTAL HXCDD	MG/KG	T																	
TOTAL HXCDF	MG/KG	T																	
TOTAL PECDD	MG/KG	T																	
TOTAL PECDDS	MG/KG	T			0.0000152	ND (0.000000229)													
TOTAL PECDF	MG/KG	T																	
TOTAL PECDFS	MG/KG	T			0.00000845 EMPC	0.0000002													
PCB 1	MG/KG	T			0.00000978	ND (0.000000115)													
PCB 10	MG/KG	T			0.000000607	ND (0.00000013)													
PCB 102	MG/KG	T			0.00000582	ND (0.000000176)													
PCB 103	MG/KG	T			0.0000013	ND (0.00000016)													
PCB 104	MG/KG	T			ND (0.0000000636)	ND (0.0000000852)													
PCB 105	MG/KG	T	0.38	MG/KG	0.0000612	0.00000183													
PCB 106	MG/KG	T			ND (0.000000138)	ND (0.00000013)													
PCB 109	MG/KG	T			0.0000138	ND (0.000000114)													
PCB 11	MG/KG	T			0.0000117 B	0.0000052 B													
PCB 110	MG/KG	T			0.000301	0.00000605													
PCB 111	MG/KG	T			ND (0.000000132)	ND (0.000000124)													
PCB 112	MG/KG	T			ND (0.000000142)	ND (0.000000131)													
PCB 114	MG/KG	T	0.38	MG/KG	0.00000346	ND (0.000000135)													
PCB 115	MG/KG	T			ND (0.000000127)	ND (0.000000126)													
PCB 117	MG/KG	T			0.00000308 EMPC	ND (0.000000129)													
PCB 118	MG/KG	T	0.38	MG/KG	0.000172	0.00000351													
PCB 120	MG/KG	T			0.00000114	ND (0.000000124)													
PCB 121	MG/KG	T			ND (0.000000135)	ND (0.000000126)													
PCB 122	MG/KG	T			0.00000212	ND (0.000000137)													
PCB 123	MG/KG	T	0.38	MG/KG	0.00000269 EMPC	ND (0.000000139)													
PCB 126	MG/KG	T	0.00011	MG/KG	0.0000015	ND (0.000000147)													
PCB 127	MG/KG	T			ND (0.000000129)	ND (0.000000117)													
PCB 130	MG/KG	T			0.0000279	0.00000161													
PCB 131	MG/KG	T			0.00000538	ND (0.000000155)													
PCB 132	MG/KG	T			0.000177	0.00000883													
PCB 133	MG/KG	T			0.00000689	ND (0.000000145)													
PCB 134	MG/KG	T			0.0000298	0.00000118													
PCB 136	MG/KG	T			0.0000706	0.00000197													
PCB 137	MG/KG	T			0.000012	0.00000524 EMPC													
PCB 14	MG/KG	T			ND (0.000000147)	ND (0.000000289)													
PCB 141	MG/KG	T			0.000117	0.00000266													
PCB 143	MG/KG	T			ND (0.000000097)	ND (0.000000139)													
PCB 144	MG/KG	T			0.0000291	0.00000117													
PCB 145	MG/KG	T			ND (0.0000000773)	ND (0.0000000996)													
PCB 146	MG/KG	T			0.000074	0.00000299													
PCB 148	MG/KG	T			0.000000492	ND (0.000000138)													
PCB 15	MG/KG	T			0.0000375	ND (0.000000299)													
PCB 150	MG/KG	T			ND (0.0000000749)	ND (0.0000000984)													
PCB 152	MG/KG	T			ND (0.0000000713)	ND (0.0000000968)													
PCB 154	MG/KG	T			0.00000364	ND (0.000000119)													
PCB 158	MG/KG	T			0.0000515	0.00000223													
PCB 159	MG/KG	T			0.00000766	0.00000535 EMPC													
PCB 16	MG/KG	T			0.0000244	ND (0.000000172)													
PCB 162	MG/KG	T			0.00000164	ND (0.000000147)													
PCB 164	MG/KG	T			0.0000438	0.00000246													
PCB 165	MG/KG	T			ND (0.0000000795)	ND (0.000000113)													
PCB 167	MG/KG	T	0.38	MG/KG	0.0000199	0.000000815 J													

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB08	S04SB09	S04SB09	S04SB10	S04SB11	S04SB12	S04SB13	S04SB14	S04SB15	S04SB16			
				Date	5/2/08	6/4/08	5/11/10	5/11/10	5/11/10	5/10/10	5/11/10	5/10/10	5/11/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10	
				Top (ft)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG	0.00000162	ND (0.000000167)													
PCB 17	MG/KG	T			0.0000253	0.000000357													
PCB 170	MG/KG	T			0.000223	0.0000171													
PCB 172	MG/KG	T			0.0000367	0.00000326													
PCB 174	MG/KG	T			0.000217	0.0000154													
PCB 175	MG/KG	T			0.00000822	ND (0.000000225)													
PCB 176	MG/KG	T			0.000026	0.00000149													
PCB 177	MG/KG	T			0.000123	0.00000922													
PCB 178	MG/KG	T			0.0000432	0.00000308													
PCB 179	MG/KG	T			0.0000893	0.00000493													
PCB 181	MG/KG	T			0.00000122	ND (0.00000022)													
PCB 182	MG/KG	T			ND (0.00000029)	ND (0.000000213)													
PCB 183	MG/KG	T			0.000132	0.000009													
PCB 184	MG/KG	T			ND (0.000000916)	ND (0.000000134)													
PCB 185	MG/KG	T			0.0000169	0.00000149													
PCB 186	MG/KG	T			ND (0.000000862)	ND (0.00000013)													
PCB 187	MG/KG	T			0.000292	0.0000188													
PCB 188	MG/KG	T			0.000000391	ND (0.000000121)													
PCB 189	MG/KG	T	0.38	MG/KG	0.00000842	0.000000626 J													
PCB 19	MG/KG	T			0.00000849	ND (0.000000131)													
PCB 190	MG/KG	T			0.0000427	0.00000259													
PCB 191	MG/KG	T			0.00000829	0.00000076													
PCB 194	MG/KG	T			0.000127	0.00000908													
PCB 195	MG/KG	T			0.0000484	0.00000317													
PCB 196	MG/KG	T			0.0000687	0.0000041													
PCB 197	MG/KG	T			0.00000521	ND (0.000000124)													
PCB 2	MG/KG	T			0.0000066	ND (0.000000992)													
PCB 200	MG/KG	T			0.0000164	0.00000131													
PCB 201	MG/KG	T			0.0000175	0.00000133													
PCB 202	MG/KG	T			0.0000338	0.00000204													
PCB 203	MG/KG	T			0.000102	0.00000586													
PCB 204	MG/KG	T			ND (0.000000161)	ND (0.000000149)													
PCB 205	MG/KG	T			0.00000603	ND (0.000000157)													
PCB 206	MG/KG	T			0.00014	0.0000076													
PCB 207	MG/KG	T			0.0000183	0.00000285													
PCB 208	MG/KG	T			0.0000494	0.00000385													
PCB 209	MG/KG	T			0.000792	0.0000609													
PCB 22	MG/KG	T			0.0000459	0.00000039 B													
PCB 23	MG/KG	T			ND (0.000000187)	ND (0.000000203)													
PCB 24	MG/KG	T			0.00000093	ND (0.000000103)													
PCB 25	MG/KG	T			0.00000971	ND (0.000000177)													
PCB 27	MG/KG	T			0.00000503	ND (0.000000963)													
PCB 3	MG/KG	T			0.0000101	0.000000441 EMPC													
PCB 31	MG/KG	T			0.000101	0.00000125 B													
PCB 32	MG/KG	T			0.0000247	0.000000267													
PCB 34	MG/KG	T			0.000000474	ND (0.000000197)													
PCB 35	MG/KG	T			0.00000367	0.00000016													
PCB 36	MG/KG	T			ND (0.000000168)	ND (0.000000185)													
PCB 37	MG/KG	T			0.000057	0.000000547													
PCB 38	MG/KG	T			ND (0.000000188)	ND (0.000000204)													
PCB 39	MG/KG	T			0.000000661 EMPC	ND (0.000000186)													
PCB 4	MG/KG	T			0.0000104	ND (0.000000194)													
PCB 41	MG/KG	T			0.00000841	ND (0.000000209)													
PCB 42	MG/KG	T			0.0000234	0.000000529													

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB08	S04SB09	S04SB09	S04SB10	S04SB11	S04SB12	S04SB13	S04SB14	S04SB15	S04SB16			
				Date	5/2/08	6/4/08	5/11/10	5/11/10	5/11/10	5/10/10	5/11/10	5/10/10	5/11/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10	
				Top (ft)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 43	MG/KG	T			0.0000308	ND (0.00000227)													
PCB 45	MG/KG	T			0.0000194	ND (0.00000208)													
PCB 46	MG/KG	T			0.00000837	ND (0.00000205)													
PCB 48	MG/KG	T			0.0000157	0.00000423													
PCB 5	MG/KG	T			0.00000143	0.00000133 B													
PCB 51	MG/KG	T			0.00000321	ND (0.00000149)													
PCB 52	MG/KG	T			0.000106	0.00000259													
PCB 54	MG/KG	T			0.00000029	ND (0.00000122)													
PCB 55	MG/KG	T			ND (0.00000268)	ND (0.00000242)													
PCB 56	MG/KG	T			0.0000449	0.00000108 EMPC													
PCB 57	MG/KG	T			0.000000482	ND (0.00000227)													
PCB 58	MG/KG	T			ND (0.00000257)	ND (0.00000229)													
PCB 6	MG/KG	T			0.00000878	ND (0.00000034)													
PCB 60	MG/KG	T			0.000026	0.00000653 EMPC													
PCB 63	MG/KG	T			0.00000335	ND (0.00000211)													
PCB 64	MG/KG	T			0.0000372	0.0000011													
PCB 66	MG/KG	T			0.0000958	0.00000208													
PCB 67	MG/KG	T			0.00000349	ND (0.00000206)													
PCB 68	MG/KG	T			0.000000439 EMPC	ND (0.00000214)													
PCB 7	MG/KG	T			0.00000123	ND (0.00000033)													
PCB 72	MG/KG	T			0.000000815	ND (0.00000218)													
PCB 73	MG/KG	T			ND (0.000000883)	ND (0.00000117)													
PCB 77	MG/KG	T	0.11	MG/KG	0.0000143	0.000000327 EMPCJ													
PCB 78	MG/KG	T			ND (0.000000261)	ND (0.00000233)													
PCB 79	MG/KG	T			0.00000152	ND (0.00000195)													
PCB 8	MG/KG	T			0.0000403	0.000000683													
PCB 80	MG/KG	T			ND (0.000000228)	ND (0.00000205)													
PCB 81	MG/KG	T	0.038	MG/KG	0.000000702 J	ND (0.00000217)													
PCB 82	MG/KG	T			0.0000211	ND (0.00000211)													
PCB 83	MG/KG	T			0.0000088 EMPC	ND (0.00000022)													
PCB 84	MG/KG	T			0.0000632	0.00000157													
PCB 88	MG/KG	T			ND (0.000000201)	ND (0.00000188)													
PCB 89	MG/KG	T			0.00000242	ND (0.00000189)													
PCB 9	MG/KG	T			0.00000444 B	0.000000345													
PCB 91	MG/KG	T			0.0000264	0.0000009													
PCB 92	MG/KG	T			0.0000367	0.000000555 EMPC													
PCB 94	MG/KG	T			0.000000962	ND (0.00000193)													
PCB 95	MG/KG	T			0.000224	0.00000449													
PCB 96	MG/KG	T			0.00000167	ND (0.000000942)													
PCB 98	MG/KG	T			ND (0.000000186)	ND (0.000000171)													
PCB 99	MG/KG	T			0.0000735	0.00000138													
PCB-100/93	MG/KG	T			0.00000145	ND (0.000000166)													
PCB-107/124	MG/KG	T			0.00000683	ND (0.000000126)													
PCB-108/119/86/97/125/87	MG/KG	T			0.000117	0.00000246													
PCB-113/90/101	MG/KG	T			0.000211	0.0000037													
PCB-116/85	MG/KG	T			0.0000259	0.000000588 EMPC													
PCB-128/166	MG/KG	T			0.0000687	0.00000313													
PCB-13/12	MG/KG	T			0.00000885	ND (0.000000351)													
PCB-139/140	MG/KG	T			0.0000054	0.000000269 EMPC													
PCB-147/149	MG/KG	T			0.000462	0.00000217													
PCB-151/135	MG/KG	T			0.000193	0.00000805													
PCB-153/168	MG/KG	T			0.000467	0.00000962													
PCB-156/157	MG/KG	T			0.000047	0.00000129 J													
PCB-163/138/129	MG/KG	T			0.000561	0.0000195													

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB08	S04SB09	S04SB09	S04SB10	S04SB11	S04SB12	S04SB13	S04SB14	S04SB15	S04SB16			
				Date	5/2/08	6/4/08	5/11/10	5/11/10	5/11/10	5/10/10	5/11/10	5/10/10	5/11/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10	5/10/10
				Top (ft)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB-171/173	MG/KG	T			0.0000668	0.00000503													
PCB-180/193	MG/KG	T			0.000492	0.0000331													
PCB-198/199	MG/KG	T			0.000174	0.0000106													
PCB-21/33	MG/KG	T			0.0000654	0.00000836 B													
PCB-26/29	MG/KG	T			0.0000197	ND (0.000000196)													
PCB-28/20	MG/KG	T			0.000134	0.00000133 B													
PCB-30/18	MG/KG	T			0.0000569	0.00000109 B													
PCB-44/47/65	MG/KG	T			0.0000841	0.00000252 B													
PCB-50/53	MG/KG	T			0.0000149	0.000000309													
PCB-59/62/75	MG/KG	T			0.00000857	ND (0.000000122)													
PCB-61/70/74/76	MG/KG	T			0.000172	0.00000434													
PCB-69/49	MG/KG	T			0.0000496	0.00000112													
PCB-71/40	MG/KG	T			0.0000373	0.000000945													
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000125	0.00000756 B													
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00183	0.000126													
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00248	0.0000905 EMPC													
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000265	0.000000441 EMPC													
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000208	0.0000143													
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000598	0.00000375													
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00139 EMPC	0.000027 EMPC													
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000784 EMPC	0.000018 EMPC													
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000584 EMPC	0.00000623 B													
ALUMINUM	MG/KG	T	990000	MG/KG	13000	8870	17600	13600	13300	9990	9030	15000	6860	13800	7330	5340			
ANTIMONY	MG/KG	T	410	MG/KG	ND (0.982) UJ	ND (1.14) UJ	ND (1.1)	7.65	8.62	ND (1.06) UJ	ND (1.05)	ND (1.12) UJ	ND (1.07)	ND (1.06) UJ	2.86 J	2.32 J			
ARSENIC	MG/KG	T	1.6	MG/KG	1.44 J	1.55 J	<sup>^</sup> 5.92	<sup>^</sup> 4.54	<sup>^</sup> 4.14	<sup>^</sup> 2.51	1.18 J	<sup>^</sup> 2.72	1.34 J	ND (1)	ND (0.996)	ND (1.03)			
BARIIUM	MG/KG	T	190000	MG/KG	81.2	22.8	65	88.1	99.5	27.7	82.8	121	40	68.8	133	72.3			
BERYLLIUM	MG/KG	T	2000	MG/KG	0.559	0.405 J	0.757	0.554	0.545	0.452 J	0.485 J	0.666	0.264 J	0.497 J	0.274 J	0.194 J			
CADMIUM	MG/KG	T	800	MG/KG	ND (0.0707)	ND (0.16)	0.391 J	0.415 J	0.453 J	0.344 J	0.441 J	0.328 J	0.695	0.595	0.414 J	0.588			
CALCIUM	MG/KG	T			6130	492	3180 J	2670 J	3700 J	20700	15400 J	2780	46900 J	18100	3040	25100			
CHROMIUM	MG/KG	T			43.8 J	8.5 J	27.3	49.4	51.7	17.4	35.8	39.5	22.7	377	36.7	41.5			
COBALT	MG/KG	T	300	MG/KG	6.14	13.2	6.39	6.29	6.67	4.08	5.43	10	2.3	6.47	5.31	3.34			
COPPER	MG/KG	T	41000	MG/KG	22.5 J	2.03 J	27.8	58.2	53.1	7.41	45.8	20.7	17.9	59.8	45.7	42.8			
IRON	MG/KG	T	720000	MG/KG	21800	7580	24300	23500	22900	14300	16100	18800	12700	55100	19900	21700			
LEAD	MG/KG	T	800	MG/KG	24	3.08	50.2 J	77.9 J	82.3 J	25	44.9 J	6.69	30.8 J	32.6	73.9	46.6			
MAGNESIUM	MG/KG	T			3650	269 J	3440	2460	3110	12000	9420	4830	9100	7360	2960	11000			
MANGANESE	MG/KG	T	23000	MG/KG	241	164	231 J	176 J	190 J	200 J	243 J	316 J	228 J	4030 J	233 J	236 J			
MERCURY	MG/KG	T	43	MG/KG	0.0366 J	ND (0.0131)	0.15	0.0994 J	0.0835 J	0.0257 J	0.042 J	ND (0.0127)	0.0127 J	0.0235 J	0.0917 J	0.0218 J			
NICKEL	MG/KG	T	20000	MG/KG	18.2	6.1	13	15.6	17.3	7.19	30.3	21.4	6.9	31.3	12.1	11.5			
POTASSIUM	MG/KG	T			2420	231 J	1880 J	1570 J	1880 J	573 J	2560 J	3430 J	1480 J	990 J	2470 J	1860 J			
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.06) UJ	ND (1.12) UJ	ND (1.07)	ND (1.04)	ND (1.07)	ND (1.04)	ND (1.03)	ND (1.09)	ND (1.05)	1.5 J	ND (1.03)	ND (1.06)			
SILVER	MG/KG	T	5100	MG/KG	0.21 J	0.248 J	ND (0.197)			ND (0.191)		ND (0.201)		1.84					
SODIUM	MG/KG	T			209	60.2 B	983	65.6 J	90.8 J	ND (39.7)	135	213	363	128	100 J	129			
THALLIUM	MG/KG	T	10	MG/KG	ND (0.163)	ND (0.165)	ND (1.59)	1.6 J	ND (1.58)	ND (1.54)	ND (1.52)	ND (1.62)	ND (1.56)	ND (1.53)	ND (1.52)	1.61 J			
TITANIUM	MG/KG	T			1860	204				562				1430					
VANADIUM	MG/KG	T			43.6	8.94	44	44.5	46.4	26.8	47.1	41.4	29.9	70.5	48.6	41.8			
ZINC	MG/KG	T	310000	MG/KG	44.9	51.5	54.6	58.8	75.2	28.7	129	43.1	75.3	70.5	35.6	30.7			
C19 to C36 Aliphatics	MG/KG	T																	
TOTAL ORGANIC CARBON	MG/KG	T			ND (404)	ND (366)	5470	3500	3770										
TPH-DRO	MG/KG	T																	
HPCDFS	MG/KG	T			0.0000257	0.00000453 EMPC													
ORO >C28 - C35	MG/KG	T																	

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB17	S05SB01	S05SB02	S05SB03	S05SB03	S05SB04	S05SB06	S05SB08	
				Date	5/11/10	5/20/08	6/3/08	6/2/08	6/2/08	6/2/08	5/19/08	5/19/08	
				Top (ft)	1	1	0	0	0	0	0	0	
				Bottom (ft)	3	3	2	2	2	2	2	2	
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	
ACETONE	UG/KG	T	630000000	UG/KG		29	UG/KG	29	42	41	51	26	11 J
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG		ND (1)	UG/KG	ND (1)	4 J	4 J	ND (1)	1 J	ND (0.9)
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG		ND (2)	UG/KG	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
METHYL CHLORIDE	UG/KG	T	500000	UG/KG		ND (2)	UG/KG	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG		ND (4)	UG/KG	ND (5)	ND (4)	ND (4)	ND (5)	ND (4)	ND (4)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG		ND (1)	UG/KG	ND (1)	2 J	2 J	ND (1)	ND (1)	ND (0.9)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG		ND (1)	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (38)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	170 J	120 J	ND (38)
ACENAPHTHYLENE	UG/KG	T		UG/KG	ND (37)	44 J	UG/KG	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (38)
ANTHRACENE	UG/KG	T	170000000	UG/KG	130 J	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	430	160 J	ND (38)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (37)	100 J	UG/KG	ND (40)	120 J	74 J	2100	320	ND (38)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (37)	110 J	UG/KG	ND (40)	170 J	96 J	^2300	440	ND (38)
BENZO(G,H,I)PERYLENE	UG/KG	T		UG/KG	ND (37)	64 J	UG/KG	ND (40)	73 J	39 J	1000	200	ND (38)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (37)	52 J	UG/KG	ND (40)	74 J	59 J	1000	190 J	ND (38)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (37)	85 J	UG/KG	ND (40)	120 J	62 J	^1700	^310	ND (38)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (74)	ND (83)	UG/KG	ND (80)	ND (78)	ND (78)	570	ND (80)	ND (76)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (74)	ND (83)	UG/KG	ND (80)	ND (78)	ND (78)	ND (79)	ND (80)	ND (76)
CARBAZOLE	UG/KG	T		UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	120 J	82 J	ND (38)
CHRYSENE	UG/KG	T	210000	UG/KG	ND (37)	120 J	UG/KG	ND (40)	120 J	83 J	1800	330	ND (38)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	^220	41 J	ND (38)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	65 J	48 J	ND (38)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (74)	ND (83)	UG/KG	ND (80)	ND (78)	ND (78)	ND (79)	ND (80)	ND (76)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	43 J	140 J	UG/KG	ND (40)	190	140 J	3100	660	ND (38)
FLUORENE	UG/KG	T	22000000	UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	150 J	79 J	ND (38)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (37)	110 J	UG/KG	ND (40)	60 J	47 J	ND (39)	ND (40)	ND (38)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (37)	52 J	UG/KG	ND (40)	54 J	ND (39)	970	190 J	ND (38)
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (37)	ND (42)	UG/KG	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (38)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (37)	ND (42)	UG/KG	170 J	ND (39)	ND (39)	ND (39)	ND (40)	ND (38)
PHENANTHRENE	UG/KG	T		UG/KG	ND (37)	120 J	UG/KG	ND (40)	120 J	81 J	1600	620	ND (38)
PYRENE	UG/KG	T	17000000	UG/KG	41 J	170 J	UG/KG	ND (40)	190	120 J	3000	580	ND (38)
1,2,3,4,6,7,8-HPCDD	MG/KG	T				0.000223		0.0000782	0.000143	0.000166	0.000242	0.000378	0.0000499
1,2,3,4,6,7,8-HPCDF	MG/KG	T				0.000055		0.0000163	0.0000898	0.0000858	0.0000668	0.000259	0.00000483
1,2,3,4,7,8,9-HPCDF	MG/KG	T				0.000012		0.00000434	0.000022	0.0000225	0.0000318	0.0000312	0.00000159 J
1,2,3,4,7,8-HXCDD	MG/KG	T				0.00000218 J		0.00000114 J	0.00000198 J	0.00000341	0.00000226 J	0.0000108	0.000000607 J
1,2,3,4,7,8-HXCDF	MG/KG	T				0.00000946		0.00000371	0.0000168	0.0000171	0.0000344	0.000065	0.00000109 J
1,2,3,6,7,8-HXCDD	MG/KG	T				0.00000687		0.00000191 J	0.00000488	0.00000641	0.00000751	0.0000223	0.00000106 EMPC J
1,2,3,6,7,8-HXCDF	MG/KG	T				0.00000448		0.00000139 J	0.00000907	0.0000123	0.00000704	0.00005	0.000000429 J
1,2,3,7,8,9-HXCDD	MG/KG	T				0.00000576		0.00000305	0.0000052	0.00000687	0.00000501	0.0000168	0.00000181 J
1,2,3,7,8,9-HXCDF	MG/KG	T				0.00000224 J		0.000000826 J	0.00000312	0.00000465	0.00000565	0.0000185	ND (0.000000233) UJ
1,2,3,7,8-PECDD	MG/KG	T				0.00000133 J		0.000000562 EMPC J	0.00000139 J	0.00000329	0.00000157 J	0.00000981	0.00000032 EMPC J
1,2,3,7,8-PECDF	MG/KG	T				0.00000287		0.00000122 J	0.00000502	0.00000961	0.00000749	0.0000253	0.000000376 J
2,3,4,6,7,8-HXCDF	MG/KG	T				0.0000047		0.00000134 J	0.00000585	0.0000126	0.00000704	0.0000554	ND (0.000000233) UJ
2,3,4,7,8-PECDF	MG/KG	T				0.00000314		0.00000128 J	0.00000427	0.0000151	0.00000633	0.0000413	0.000000319 EMPC J
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.000000488		0.000000244 EMPC J	0.000000639	0.00000108	0.00000073	0.00000221	0.0000000921 EMPC J
2,3,7,8-TCDF	MG/KG	T				0.00000193		0.00000153	0.00000406	0.00000752	0.0000056	0.0000227	0.000000252 EMPC J
HPCDDS	MG/KG	T				0.000499		0.00023	0.000356	0.000415	0.000526	0.000761	0.000143
HXCDDS	MG/KG	T				0.000137 EMPC		0.000109	0.000139 EMPC	0.000164 EMPC	0.0000965 EMPC	0.000284	0.0000727 EMPC
HXCDFS	MG/KG	T				0.0000578 EMPC		0.0000171 EMPC	0.0000781 EMPC	0.000117 EMPC	0.000106 EMPC	0.000481	0.0000051 EMPC
OCDD	MG/KG	T				0.00659		0.00432	0.00496	0.00581	0.00697	0.0104 J	0.00243
OCDF	MG/KG	T				0.000939		0.00037	0.00243	0.00428	0.00121	0.000818	0.0000815
TCDDS	MG/KG	T				0.0000125 EMPC		0.0000104 EMPC	0.0000146 EMPC	0.00003 EMPC	0.0000136 EMPC	0.0000918	0.00000401 EMPC
TCDFS	MG/KG	T				0.0000337 EMPC		0.0000147 EMPC	0.0000453 EMPC	0.000132 EMPC	0.0000785 EMPC	0.000431 EMPC	0.00000402 EMPC
TOTAL HPCDD	MG/KG	T											

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< and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB17	S05SB01	S05SB02	S05SB03	S05SB03	S05SB04	S05SB06	S05SB08
				Date	5/11/10	5/20/08	6/3/08	6/2/08	6/2/08	6/2/08	5/19/08	5/19/08
				Top (ft)	1	1	0	0	0	0	0	0
				Bottom (ft)	3	3	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T										
TOTAL HXCDD	MG/KG	T										
TOTAL HXCDF	MG/KG	T										
TOTAL PECDD	MG/KG	T										
TOTAL PECDDS	MG/KG	T				0.0000292	0.0000233 EMPC	0.0000318 EMPC	0.0000526	0.0000264	0.000161	0.000013 EMPC
TOTAL PECDF	MG/KG	T										
TOTAL PECDFS	MG/KG	T				0.0000364 EMPC	0.0000115 EMPC	0.000046 EMPC	0.000129 EMPC	0.0000745	0.000453	0.0000036 EMPC
PCB 1	MG/KG	T				0.00000579	ND (0.00000042)	0.00000383	0.00000475	0.0000281	0.0000468	ND (0.000000256)
PCB 10	MG/KG	T				0.00000124	ND (0.000000801)	0.000000499	0.000000432	ND (0.000000128)	0.00000417	ND (0.0000000687)
PCB 102	MG/KG	T				0.0000274	0.00000754	0.0000383	0.0000283	0.0000718	0.00469	0.00000666
PCB 103	MG/KG	T				0.00000551	0.00000222	0.000012	0.0000113	0.000152	0.000794	0.00000113
PCB 104	MG/KG	T				ND (0.00000012)	ND (0.000000429)	ND (0.000000804)	ND (0.000000769)	0.000000831 EMPC	0.00000335 EMPC	ND (0.0000000744)
PCB 105	MG/KG	T	0.38	MG/KG		0.000346	0.000198	0.000671	0.000519	0.0197 J	0.0864 J	0.000218
PCB 106	MG/KG	T				ND (0.000000218)	ND (0.000000385)	ND (0.000000465)	ND (0.000000173)	ND (0.000000314)	ND (0.000000144)	ND (0.000000144)
PCB 109	MG/KG	T				0.0000623	0.0000263	0.000106	0.0000938	0.00266	0.0128	0.0000306
PCB 11	MG/KG	T				0.0000115 B	0.0000119 B	0.0000241	0.0000293	0.0000611	0.000045	0.00000443 B
PCB 110	MG/KG	T				0.00158	0.000559	0.00304	0.00263	0.0497	0.26	0.000498
PCB 111	MG/KG	T				0.000000486 EMPC	0.000000394	ND (0.000000442)	0.00000119	ND (0.000000299)	ND (0.000000391)	ND (0.000000136)
PCB 112	MG/KG	T				ND (0.000000211)	ND (0.000000382)	ND (0.000000462)	ND (0.000000171)	ND (0.000000312)	ND (0.000000401)	ND (0.00000014)
PCB 114	MG/KG	T	0.38	MG/KG		0.0000161	0.00000887	0.0000277	0.000021	0.00108	0.00518 J	0.0000109
PCB 115	MG/KG	T				ND (0.000000209)	ND (0.000000371)	ND (0.000000448)	ND (0.000000166)	0.00066	ND (0.000000394)	ND (0.000000138)
PCB 117	MG/KG	T				0.0000183	0.00000738	ND (0.000000496)	0.0000491	0.000922	0.00521	ND (0.000000139)
PCB 118	MG/KG	T	0.38	MG/KG		0.000837	0.000422	0.00151	0.00132	0.0459 J	0.201 J	0.000493
PCB 120	MG/KG	T				ND (0.000000206)	0.00000142	0.00000696	0.00000727	ND (0.000000303)	ND (0.000000398)	ND (0.000000136)
PCB 121	MG/KG	T				ND (0.000000206)	ND (0.000000375)	0.000000771	0.000000449	ND (0.000000306)	ND (0.000000382)	ND (0.000000136)
PCB 122	MG/KG	T				0.0000114	0.00000546	0.0000202	0.000016	0.000486	0.00247	0.00000578
PCB 123	MG/KG	T	0.38	MG/KG		0.0000175	0.00000934	0.0000348	0.0000281	0.000743	0.00342	0.00000809
PCB 126	MG/KG	T	0.00011	MG/KG		0.00000808	0.00000328	0.00000581	0.00000746	0.0000312	<sup>^</sup> 0.000148	0.00000188
PCB 127	MG/KG	T				0.00000215	ND (0.000000357)	ND (0.00000043)	ND (0.000000155)	ND (0.00000031)	ND (0.00000048)	ND (0.000000133)
PCB 130	MG/KG	T				0.000128	0.0000451	0.000247	0.00018	0.00334	0.0138	0.000027
PCB 131	MG/KG	T				0.0000273	0.00000726	0.0000532	0.0000376	0.000846	0.00362	0.00000622
PCB 132	MG/KG	T				0.000748	0.000215	0.00124	0.00089	0.0163	0.0681	0.000134
PCB 133	MG/KG	T				0.0000289	0.0000124	0.000046	0.0000366	0.000515	0.00198	0.00000463
PCB 134	MG/KG	T				0.000137	0.0000431	0.000232	0.000171	0.00313	0.013	0.0000243
PCB 136	MG/KG	T				0.000243	0.0000733	0.000431	0.000336	0.00492	0.0233	0.0000342
PCB 137	MG/KG	T				0.0000644	ND (0.000000857)	0.000184	0.000111	0.00302	0.0148	0.0000243
PCB 14	MG/KG	T				ND (0.00000017)	ND (0.000000202)	0.00000105	ND (0.000000151)	ND (0.000000206)	ND (0.00000106)	ND (0.000000108)
PCB 141	MG/KG	T				0.000454	0.000203	0.000614	0.000459	0.0082	0.0293	0.0000715
PCB 143	MG/KG	T				ND (0.000000199)	ND (0.000000902)	ND (0.000000151)	ND (0.0000000971)	ND (0.000000192)	ND (0.00000153)	ND (0.000000115)
PCB 144	MG/KG	T				0.000119	0.0000321	0.000144	0.000109	0.00175	0.00694	0.0000171
PCB 145	MG/KG	T				ND (0.000000138)	ND (0.0000000612)	0.00000147	0.00000111	0.0000205	0.000145 EMPC	ND (0.0000000838)
PCB 146	MG/KG	T				0.000322	0.000119	0.00045	0.000364	0.00523	0.0203	0.0000544
PCB 148	MG/KG	T				ND (0.000000214)	0.000000942	0.00000253	0.00000205	0.0000227	0.0000874	ND (0.000000125)
PCB 15	MG/KG	T				0.00011	0.0000267	0.0000539	0.0000493	0.000635	0.000225	0.00000834
PCB 150	MG/KG	T				0.00000198	0.000000562	0.00000033	0.00000267	0.0000377	0.000183	ND (0.0000000808)
PCB 152	MG/KG	T				0.00000121 EMPC	0.000000363	0.000000346	0.00000253	0.0000431	0.000236	ND (0.0000000794)
PCB 154	MG/KG	T				0.0000166	0.00000564	0.0000268	0.0000218	0.000315	0.00131	ND (0.000000107)
PCB 158	MG/KG	T				0.000214	0.0000778	0.000359	0.000263	0.00557	0.0241	0.0000477
PCB 159	MG/KG	T				0.0000286	0.0000115	0.0000312	0.0000242	0.000181	0.000468	ND (0.000000351)
PCB 16	MG/KG	T				0.0000864	0.0000144	0.0000336	0.0000181	0.000302	0.000134	0.0000114
PCB 162	MG/KG	T				0.00000922	0.00000283	0.0000129	0.00000957	0.0002	0.000869	ND (0.000000338)
PCB 164	MG/KG	T				0.000167	0.000081	0.000279	0.000232	0.00329	0.0121	0.0000258
PCB 165	MG/KG	T				ND (0.00000017)	ND (0.0000000753)	ND (0.000000126)	0.000000769	ND (0.00000016)	ND (0.00000136)	ND (0.0000000986)
PCB 167	MG/KG	T	0.38	MG/KG		0.0000928	0.0000389	0.00017	0.000125	0.0027	0.0107 J	0.0000227

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**Summary of Surface Soil Analytical Results**  
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 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB17	S05SB01	S05SB02	S05SB03	S05SB03	S05SB04	S05SB06	S05SB08
				Date	5/11/10	5/20/08	6/3/08	6/2/08	6/2/08	6/2/08	5/19/08	5/19/08
				Top (ft)	1	1	0	0	0	0	0	0
				Bottom (ft)	3	3	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG		0.0000675	0.0000271	0.0000629	0.000063	0.0000436	0.0000966	ND (0.00000459)
PCB 17	MG/KG	T				0.0000955	0.0000164	0.0000417	0.0000212	0.000287	0.000155	0.0000116
PCB 170	MG/KG	T				0.00083	0.000283	0.000811	0.000665	0.00645	0.0205	0.0000899
PCB 172	MG/KG	T				0.000158	0.0000545	0.00014	0.00012	0.000954	0.00298	0.0000168
PCB 174	MG/KG	T				0.000855	0.000284	0.000791	0.000669	0.0053	0.0145	0.0000862
PCB 175	MG/KG	T				0.0000348	0.0000116	0.0000319	0.0000285	0.000251	0.000692	0.00000358
PCB 176	MG/KG	T				0.0000897	0.0000314	0.0000941	0.0000803	0.000608	0.00204	0.00000908
PCB 177	MG/KG	T				0.000486	0.000169	0.000454	0.0004	0.00329	0.00872	0.0000509
PCB 178	MG/KG	T				0.000162	0.0000724	0.000169	0.000146	0.00082	0.00239	0.0000179
PCB 179	MG/KG	T				0.000354	0.000123	0.000326	0.000295	0.00173	0.00514	0.0000373
PCB 181	MG/KG	T				0.00000779	0.0000153	0.00000976	0.0000692	0.000142	0.00049	ND (0.000000354)
PCB 182	MG/KG	T				ND (0.000000799)	0.00000141	0.00000401	0.00000318	0.000039	0.000187	ND (0.000000333)
PCB 183	MG/KG	T				0.000502	0.000162	0.000438	0.000381	0.00312	0.00883	0.0000543
PCB 184	MG/KG	T				ND (0.00000017)	0.00000586	0.00000826 EMPC	ND (0.000000917)	ND (0.00000164)	0.0000246	ND (0.000000101)
PCB 185	MG/KG	T				0.00011	0.0000307	0.0000644	0.0000798	0.000516	0.0014	0.0000112
PCB 186	MG/KG	T				ND (0.000000162)	ND (0.000000693)	ND (0.000000136)	ND (0.000000909)	ND (0.000000163)	0.0000179	ND (0.000000954)
PCB 187	MG/KG	T				0.00124	0.000448	0.00103	0.000933	0.00576	0.014	0.000145
PCB 188	MG/KG	T				ND (0.000000156)	0.00000069	0.00000132	ND (0.000000836)	ND (0.00000015)	0.0000152	ND (0.000000921)
PCB 189	MG/KG	T	0.38	MG/KG		0.0000325	0.0000102	0.0000299	0.0000264	0.000252	0.000967	0.00000394
PCB 19	MG/KG	T				0.0000219	0.00000344	0.0000953	0.0000193	0.000128	0.0000462	0.0000022
PCB 190	MG/KG	T				0.000162	0.0000573	0.000148	0.000118	0.000999	0.00336	0.0000178
PCB 191	MG/KG	T				0.0000353	0.0000101	0.000029	0.0000256	0.000214	0.000789	0.00000346
PCB 194	MG/KG	T				0.000517	0.000227	0.000474	0.000437	0.00163	0.00366	0.0000662
PCB 195	MG/KG	T				0.000179	0.000067	0.000157	0.000148	0.000623	0.00142	0.0000204
PCB 196	MG/KG	T				0.000243	0.000094	0.000225	0.000191	0.000589	0.00198	0.0000406
PCB 197	MG/KG	T				0.0000174	0.00000539	0.0000131	ND (0.000000201)	0.0000363	0.000113	0.00000289
PCB 2	MG/KG	T				0.0000117	0.00000227	0.00000777	0.00000923	0.000012	0.0000889	0.00000098
PCB 200	MG/KG	T				0.0000642	0.0000282	0.0000679	0.0000789	0.000215	0.000506	0.0000102
PCB 201	MG/KG	T				0.0000735	0.0000271	0.0000634	0.0000571	0.000196	0.000478	0.0000156
PCB 202	MG/KG	T				0.000178	0.0000725	0.000145	0.000128	0.000421	0.000701	0.0000735
PCB 203	MG/KG	T				0.000423	0.000177	0.000367	0.000321	0.000889	0.00264	0.000104
PCB 204	MG/KG	T				ND (0.000000257)	ND (0.000000122)	ND (0.000000365)	ND (0.000000234)	ND (0.000000792)	ND (0.00000208)	ND (0.000000357)
PCB 205	MG/KG	T				0.0000227	0.00000952	0.0000221	0.000019	0.0000744	0.000169	0.00000361
PCB 206	MG/KG	T				0.00102	0.000447	0.000596	0.000559	0.00135	0.00206	0.00155
PCB 207	MG/KG	T				0.0000866	0.0000304	0.0000654	0.000064	0.000116	0.000186	0.000119
PCB 208	MG/KG	T				0.000336	0.000119	0.000191	0.000199	0.000428	0.000463	0.000668
PCB 209	MG/KG	T				0.0057 J	0.00166	0.00754 J	0.0125 J	0.00743 J	0.0075 J	0.00457 J
PCB 22	MG/KG	T				0.000141	0.0000294	0.0000392	0.0000387	0.000476	0.000202	0.0000209
PCB 23	MG/KG	T				ND (0.000000243)	ND (0.000000131)	ND (0.000000157)	0.00000213	ND (0.000000685)	ND (0.00000263)	ND (0.000000148)
PCB 24	MG/KG	T				0.00000283	0.000000585	0.00000183	0.000000698 EMPC	0.00000887	ND (0.00000172)	ND (0.000000108)
PCB 25	MG/KG	T				0.0000249	0.0000112	0.0000145	0.00000871	0.00012	0.0000689	0.00000247
PCB 27	MG/KG	T				0.0000168	0.00000348	0.0000536	0.000011	0.0000656	0.0000304	0.00000165
PCB 3	MG/KG	T				0.0000148	0.00000446	0.0000108 EMPC	0.0000138	0.000045	0.0000961	0.00000182 EMPC
PCB 31	MG/KG	T				0.000288	0.0000852	0.0000988	0.0000869	0.00133	0.00143	0.0000548
PCB 32	MG/KG	T				0.0000876	0.0000183	0.000155	0.0000465	0.000329	0.000148	0.0000105
PCB 34	MG/KG	T				ND (0.00000024)	ND (0.00000013)	0.00000125	0.000000454	0.0000064	ND (0.00000258)	ND (0.000000146)
PCB 35	MG/KG	T				0.00000839	0.0000022	0.00000392	0.00000615	0.0000301	0.000036	ND (0.000000153)
PCB 36	MG/KG	T				ND (0.000000237)	ND (0.000000124)	ND (0.000000148)	ND (0.000000129)	ND (0.000000648)	ND (0.00000267)	ND (0.000000145)
PCB 37	MG/KG	T				0.00018	0.0000585	0.0000732	0.0000857	0.00104	0.000349	0.0000234
PCB 38	MG/KG	T				ND (0.000000249)	ND (0.000000131)	ND (0.000000156)	ND (0.000000136)	ND (0.000000683)	ND (0.00000295)	ND (0.000000152)
PCB 39	MG/KG	T				ND (0.000000235)	ND (0.00000012)	0.00000447	0.0000018	0.0000128	0.0000207	ND (0.000000143)
PCB 4	MG/KG	T				0.0000244	0.00000636	0.00000589	0.00000706	0.000119	0.000064	0.00000212
PCB 41	MG/KG	T				0.0000251	0.00000823	0.0000102	0.00000548	0.0000896	0.000111	0.00000722
PCB 42	MG/KG	T				0.0000786	0.0000409	0.0000843	0.000045	0.000835	0.00204	0.0000185

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB17	S05SB01	S05SB02	S05SB03	S05SB03	S05SB04	S05SB06	S05SB08
				Date	5/11/10	5/20/08	6/3/08	6/2/08	6/2/08	6/2/08	5/19/08	5/19/08
				Top (ft)	1	1	0	0	0	0	0	0
				Bottom (ft)	3	3	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS
PCB 43	MG/KG	T				0.0000829	0.0000322	0.0000728	0.0000321	0.0000781	0.000195	0.0000021
PCB 45	MG/KG	T				0.0000497	0.0000147	0.000126	0.0000288	0.000506	0.000472	0.00000734
PCB 46	MG/KG	T				0.0000201	0.0000563	0.0000439	0.000012	0.000198	0.000229	0.00000302
PCB 48	MG/KG	T				0.0000444	0.0000166	0.0000252	0.0000139	0.000336	0.00091	0.0000135
PCB 5	MG/KG	T				0.00000126	0.0000021 B	0.00000196 B	0.00000182 B	0.00000691	0.00000904	0.000000648
PCB 51	MG/KG	T				0.0000115	0.00000463	0.0000316	0.00000935	0.000136	0.0000899	0.00000192 EMPC
PCB 52	MG/KG	T				0.000548	0.000205	0.000663	0.000479	0.0192	0.0937	0.000149
PCB 54	MG/KG	T				0.000000799	0.00000157	0.00000402	0.00000115	0.00000818	0.00000547	ND (0.000000955)
PCB 55	MG/KG	T				0.00000762	ND (0.00000573)	ND (0.0000157)	ND (0.0000111)	ND (0.0000305)	ND (0.0000946)	ND (0.00000251)
PCB 56	MG/KG	T				0.000169	0.000098	0.0000828	0.0000869	0.00183	0.00769	0.0000497
PCB 57	MG/KG	T				0.00000143	ND (0.00000551)	ND (0.0000151)	ND (0.0000107)	ND (0.0000293)	ND (0.0000904)	ND (0.00000248)
PCB 58	MG/KG	T				ND (0.00000443)	ND (0.00000554)	ND (0.0000152)	ND (0.0000108)	ND (0.0000295)	ND (0.0000903)	ND (0.00000248)
PCB 6	MG/KG	T				0.0000139	0.0000123	0.00000701	0.00000733	0.0000927	0.0000427	0.0000024
PCB 60	MG/KG	T				0.0000961	0.0000552	0.0000347	0.0000381	0.000735	0.00313	0.0000302
PCB 63	MG/KG	T				0.0000121	0.00000724	0.00000557	0.00000601	0.000152	0.000711	0.00000382
PCB 64	MG/KG	T				0.000144	0.0000826	0.000143	0.000117	0.00256	0.00978	0.0000388
PCB 66	MG/KG	T				0.000358	0.000202	0.000225	0.000233	0.00466	0.0203	0.000122
PCB 67	MG/KG	T				0.0000103	0.00000407	0.00000365	0.00000447	0.0000444	ND (0.00000834)	0.00000202
PCB 68	MG/KG	T				0.00000181	0.00000154	0.00000938	0.0000054	0.0000165	ND (0.00000783)	ND (0.00000222)
PCB 7	MG/KG	T				0.00000151	0.00000935	0.00000974	0.00000857	0.0000122	0.0000952	ND (0.00000126)
PCB 72	MG/KG	T				0.00000221	0.00000203	0.00000535	0.00000581	0.0000245	ND (0.0000084)	ND (0.00000235)
PCB 73	MG/KG	T				ND (0.00000193)	0.00000461	0.00000146	0.00000673	ND (0.00000123)	ND (0.00000106)	ND (0.000000779)
PCB 77	MG/KG	T	0.11	MG/KG		0.0000592	0.000033	0.0000329	0.0000357	0.000402	0.000433	0.0000129
PCB 78	MG/KG	T				ND (0.00000444)	ND (0.00000551)	ND (0.0000151)	0.00000116	ND (0.0000293)	ND (0.0000105)	ND (0.00000249)
PCB 79	MG/KG	T				0.00000723	ND (0.00000458)	0.0000387	0.0000115 EMPC	0.000424	0.00114 EMPC	0.00000236
PCB 8	MG/KG	T				0.0000465	0.0000282	0.0000232	0.0000278	0.000481	0.000254	0.00000802
PCB 80	MG/KG	T				ND (0.00000389)	ND (0.00000493)	ND (0.0000135)	ND (0.00000959)	ND (0.0000263)	ND (0.00000865)	ND (0.00000218)
PCB 81	MG/KG	T	0.038	MG/KG		ND (0.00000422)	ND (0.0000053)	ND (0.0000145)	ND (0.0000103)	ND (0.0000283)	ND (0.00000995)	ND (0.00000237)
PCB 82	MG/KG	T				0.000122	0.0000471	0.000191	0.000137	0.00528	0.0279	0.0000493
PCB 83	MG/KG	T				0.0000738	0.0000212	0.0000955	0.0000866	0.00198	0.00987	0.0000217
PCB 84	MG/KG	T				0.000316	0.0000843	0.000543	0.000376	0.0108	0.0638	0.0000792
PCB 88	MG/KG	T				ND (0.00000312)	ND (0.00000595)	ND (0.00000719)	ND (0.00000267)	ND (0.00000486)	ND (0.00000585)	ND (0.00000206)
PCB 89	MG/KG	T				0.00000979	0.00000417	0.0000138	0.00000903	0.000282	0.00155	0.00000251
PCB 9	MG/KG	T				0.00000428 B	0.0000018	0.00000161	0.00000185	0.0000199	0.0000165	0.00000152 B
PCB 91	MG/KG	T				0.000144	0.0000458	0.000276	0.000227	0.00438	0.0251	0.0000337
PCB 92	MG/KG	T				0.000206	0.0000687	0.000324	0.000276	0.0073	0.0372	0.0000575
PCB 94	MG/KG	T				0.00000424 EMPC	0.00000121	0.00000685	0.00000513	0.000113	0.000632	0.000000879
PCB 95	MG/KG	T				0.0011	0.000303	0.00175	0.00135	0.0298	0.177	0.000224
PCB 96	MG/KG	T				0.00000603	0.00000157	0.0000136	0.00000947	0.000186	0.00126	0.00000127
PCB 98	MG/KG	T				ND (0.00000272)	ND (0.00000591)	ND (0.00000714)	ND (0.00000265)	ND (0.00000482)	ND (0.00000478)	ND (0.00000018)
PCB 99	MG/KG	T				0.000402	0.000186	0.00078	0.000731	0.0193	0.0919	0.000166
PCB-100/93	MG/KG	T				0.00000624	0.00000176	0.00001	0.00000917	0.000142	0.000807	ND (0.000000178)
PCB-107/124	MG/KG	T				0.0000439	0.0000184	0.0000728	0.000062	0.00188	0.00879	0.0000201
PCB-108/119/86/97/125/87	MG/KG	T				0.000686	0.000248	0.00111	0.000868	0.0311	0.164	0.000284
PCB-113/90/101	MG/KG	T				0.00113	0.000369	0.0016	0.00137	0.0423	0.221	0.000373
PCB-116/85	MG/KG	T				0.000171	0.0000697	0.000303	0.000224	0.0067	0.0337	0.000083
PCB-128/166	MG/KG	T				0.000356	0.000112	0.000694	0.000501	0.0104	0.0477	0.0000871
PCB-13/12	MG/KG	T				0.0000108	0.000016	0.0000135	0.0000135	0.0000568	0.0000816	0.00000282
PCB-139/140	MG/KG	T				0.000031	0.00000953	0.0000725	0.0000521	0.00108	0.00441	0.00000794
PCB-147/149	MG/KG	T				0.00199	0.000603	0.00246	0.00194	0.0285	0.111	0.000288
PCB-151/135	MG/KG	T				0.000814	0.00026	0.000975	0.000802	0.0102	0.0378	0.000109
PCB-153/168	MG/KG	T				0.00192	0.000702	0.00228	0.00181	0.0309	0.119	0.000347
PCB-156/157	MG/KG	T				0.000221	0.0000918	0.000432	0.000286	0.00888 J	0.0343 J	0.0000706
PCB-163/138/129	MG/KG	T				0.00234	0.000876	0.00385	0.00288	0.0555	0.216	0.000473

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				Top (ft)	1	1	0	0	0	0	0	0
				Bottom (ft)	3	3	2	2	2	2	2	2
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS
PCB-171/173	MG/KG	T				0.000263	0.0000785	0.000247	0.000207	0.00223	0.00678	0.0000271
PCB-180/193	MG/KG	T				0.0021	0.000693	0.00166	0.00146	0.00983	0.0316	0.000216
PCB-198/199	MG/KG	T				0.000776	0.000374	0.000672	0.000602	0.00142	0.00454	0.000257
PCB-21/33	MG/KG	T				0.000154	0.0000439	0.000045	0.0000472	0.000692	0.000354	0.0000323
PCB-26/29	MG/KG	T				0.0000521	0.0000198	0.0000222	0.0000168	0.000214	0.000109	0.0000063
PCB-28/20	MG/KG	T				0.000408	0.0000898	0.000181	0.000125	0.00161	0.000665	0.0000645
PCB-30/18	MG/KG	T				0.00019	0.0000391	0.0000899	0.0000516	0.000684	0.000401	0.0000267
PCB-44/47/65	MG/KG	T				0.000318	0.000153	0.000366	0.000218	0.00757	0.0347	0.0000936
PCB-50/53	MG/KG	T				0.000044	0.0000217	0.000131	0.00004	0.000729	0.00163	0.00000745
PCB-59/62/75	MG/KG	T				0.0000261	0.0000145	0.0000304	0.0000194	0.000242	0.000251	0.00000473
PCB-61/70/74/76	MG/KG	T				0.00074	0.000362	0.000443	0.000471	0.0173	0.0926	0.000296
PCB-69/49	MG/KG	T				0.000185	0.000101	0.000219	0.000137	0.0041	0.0168	0.0000528
PCB-71/40	MG/KG	T				0.000123	0.0000617	0.000103	0.0000621	0.00152	0.00424	0.0000308
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000225	0.000106	0.000134	0.000139	0.00148	0.000751	0.0000303
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00743	0.00254	0.00648	0.00564	0.0425	0.125	0.000791
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0105 EMPC	0.00363	0.0153	0.0117	0.205	0.816 EMPC	0.00188
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000323	0.00000673	0.0000224 EMPC	0.0000277	0.0000851	0.000232	0.0000028 EMPC
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00144	0.000597	0.000852	0.000822	0.00189	0.00271	0.00233
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00249	0.00108	0.00221	0.00198	0.00609	0.0162	0.000595
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00735 EMPC	0.00272	0.0126	0.0105	0.284	1.45 EMPC	0.00267
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00309	0.0015	0.00287	0.00209 EMPC	0.0636	0.291 EMPC	0.00095 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00176	0.000436	0.000955	0.000586 EMPC	0.00733	0.00415	0.000269
ALUMINUM	MG/KG	T	990000	MG/KG	15400	13600	14600	16000	15700	13200	11900	14400
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.07)	2.61 J	ND (1.18) UJ	9.53 J	6.09 J	5.81 J	4.83 J	ND (1.11) UJ
ARSENIC	MG/KG	T	1.6	MG/KG	^1.84 J	^5.17	^4.2 J	^3.51	^2.74	^4.81	^3.52 J	^3.21 J
BARIIUM	MG/KG	T	190000	MG/KG	47.9	71.6	66.8	73.9	75.5	81.1	84.1	49.5
BERYLLIUM	MG/KG	T	2000	MG/KG	0.481 J	0.705	0.71	0.742	0.631	0.495 J	0.478 J	0.681
CADMIUM	MG/KG	T	800	MG/KG	0.183 J	ND (0.171)	0.481 J	0.427 J	0.49 J	0.565 J	ND (0.167)	ND (0.156)
CALCIUM	MG/KG	T			1090 J	2120 J	1220	2230	2630	1670	5320	889
CHROMIUM	MG/KG	T			27	37	34.6 J	53.8	43.6	46.5	48.9 J	32.2 J
COBALT	MG/KG	T	300	MG/KG	4.51	8.26	9.7	ND (1.09)	ND (1.11)	ND (2.19)	6.77	6.41
COPPER	MG/KG	T	41000	MG/KG	12.8	85.4	41.7	1030	486	48.9	137	16.9
IRON	MG/KG	T	720000	MG/KG	15800	25300	24000	32800	24800	24100	25900	21400
LEAD	MG/KG	T	800	MG/KG	14.4 J	198	44.5	199	230	320	663	23.9
MAGNESIUM	MG/KG	T			906	1730	2010	2000	1890	1770	1290	1900
MANGANESE	MG/KG	T	23000	MG/KG	116 J	201 J	213	180	206	221	230 J	109 J
MERCURY	MG/KG	T	43	MG/KG	0.0188 J	0.62	0.0655 J	0.585 J	0.422 J	0.36 J	2.06	0.023 J
NICKEL	MG/KG	T	20000	MG/KG	7.99	19.9	15.7	22.6	22.6	27.2	38.4	13.3
POTASSIUM	MG/KG	T			833 J	1180 J	1180 J	1500 J	1450 J	1510 J	1450 J	1150 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.05)	ND (1.2)	1.42 J	ND (1.12) UJ	ND (1.14) UJ	ND (1.13) UJ	ND (1.17)	ND (1.09)
SILVER	MG/KG	T	5100	MG/KG	ND (0.193)	0.688	ND (0.201)	0.587	0.711	0.681	0.97	ND (0.189)
SODIUM	MG/KG	T			106 J	112 J	69.4 J	ND (42.6)	ND (43.5)	ND (42.9)	148	108 J
THALLIUM	MG/KG	T	10	MG/KG	ND (1.55)	ND (0.182) UJ	ND (0.175)	ND (0.173)	ND (0.175)	ND (0.176)	ND (0.179)	ND (0.17)
TITANIUM	MG/KG	T			494 J	2090	1040	2710	2610	2810	2860	803
VANADIUM	MG/KG	T			28.9	53.1	51.6	91.1 J	81.2 J	113 J	89.5	49.9
ZINC	MG/KG	T	310000	MG/KG	43.4	75.7	41.5	80.2 J	98.7 J	88.5 J	171	32.7
C19 to C36 Aliphatics	MG/KG	T										
TOTAL ORGANIC CARBON	MG/KG	T				15400	ND (447)	1290	4420	3320	16000	ND (376)
TPH-DRO	MG/KG	T										
HPCDFS	MG/KG	T				0.000118	0.0000313	0.000167	0.000166	0.000165	0.000414	0.0000116
ORO >C28 - C35	MG/KG	T										

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB09	S05SB11	S05SB11	S05SB12	S05SB12	S05SB13	S05SB15	S05SB16
				Date	5/20/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/7/10	6/10/10
				Top (ft)	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	2	2	2	2	2	2
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG	9 J	ND (8) UJ	9 J					70
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	ND (1) UJ	ND (1)					ND (1)
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG	ND (2)	ND (2) UJ	ND (2)					ND (2)
METHYL CHLORIDE	UG/KG	T	500000	UG/KG	ND (2)	ND (2) UJ	ND (2)					ND (2)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	ND (4) UJ	ND (4)					ND (4)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	4 J	4 J					8
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1) UJ	ND (1)					1 J
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (38)	ND (38)	ND (38)	ND (38)		ND (37)	ND (39)	ND (37)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (38)	ND (38)	ND (38)	120 J		ND (37)	ND (39)	ND (37)
ACENAPHTHYLENE	UG/KG	T			ND (38)	ND (38)	ND (38)	ND (38)		ND (37)	ND (39)	ND (37)
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (38)	ND (38)	380	360		ND (37)	ND (39)	ND (37)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (38)	58 J	350	1200 J		ND (37)	87 J	77 J
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (38)	78 J	250	1300 J		ND (37)	120 J	95 J
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (38)	41 J	63 J	580		ND (37)	56 J	55 J
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (38)	ND (38)	100 J	500		ND (37)	45 J	44 J
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (38)	52 J	130 J	^860		ND (37)	81 J	71 J
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (76)	ND (76)	ND (75)	ND (77)		ND (74)	81 J	180 J
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (76)	ND (76)	ND (75)	ND (77)		ND (74)	ND (78)	ND (75)
CARBAZOLE	UG/KG	T			ND (38)	ND (38)	ND (38)	160 J		ND (37)	ND (39)	ND (37)
CHRYSENE	UG/KG	T	210000	UG/KG	ND (38)	59 J	320	1200 J		ND (37)	110 J	83 J
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (38)	ND (38)	ND (38)	170 J		ND (37)	ND (39)	ND (37)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (38)	ND (38)	ND (38)	140 J		ND (37)	ND (39)	ND (37)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (76)	87 J	ND (75)	ND (77)		ND (74)	ND (78)	ND (75)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (38)	88 J	1300	2700 J		ND (37)	180 J	130 J
FLUORENE	UG/KG	T	22000000	UG/KG	ND (38)	ND (38)	ND (38)	92 J		ND (37)	ND (39)	ND (37)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (38)	64 J	44 J	ND (38)		ND (37)	55 J	320
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (38)	ND (38)	67 J	590		ND (37)	47 J	44 J
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (38)	ND (38)	ND (38)	51 J		ND (37)	ND (39)	ND (37)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (38)	ND (38)	ND (38)	ND (38)		ND (37)	ND (39)	ND (37)
PHENANTHRENE	UG/KG	T			ND (38)	43 J	400	2200 J		ND (37)	110 J	68 J
PYRENE	UG/KG	T	17000000	UG/KG	ND (38)	87 J	1000	2100 J		ND (37)	160 J	130 J
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000872	0.000137	0.000117					0.00015
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.00000589	0.0000454	0.0000265					0.0000987
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000162 J	0.00000817	0.00000506					0.0000218
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000993 J	0.00000287	0.00000212 J					0.00000216 J
1,2,3,4,7,8-HXCDF	MG/KG	T			0.0000017 J	0.00000911	0.00000557					0.0000175
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000177 J	0.0000052	0.00000436					0.00000481
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000066 J	0.00000614	0.00000386					0.0000058
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000311	0.00000573	0.00000527					0.00000518
1,2,3,7,8,9-HXCDF	MG/KG	T			0.000000388 J	ND (0.0000002596813)	ND (0.0000002764181)					ND (0.0000002233768)
1,2,3,7,8-PECDD	MG/KG	T			0.000000541 EMPC J	0.00000176 J	0.00000158 J					0.00000134 J
1,2,3,7,8-PECDF	MG/KG	T			0.000000506 J	0.00000328	0.00000189 J					0.00000383
2,3,4,6,7,8-HXCDF	MG/KG	T			0.00000061 J	0.00000759	0.00000444					0.000006
2,3,4,7,8-PECDF	MG/KG	T			0.000000483 EMPC J	0.00000563	0.00000329					0.00000344
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.000000142 EMPC J	0.000000409 J	0.000000284 J					0.000000465 EMPC
2,3,7,8-TCDF	MG/KG	T			0.000000424 J	0.00000312	0.00000208					0.00000376
HPCDDs	MG/KG	T			0.000262							
HXCDDs	MG/KG	T			0.000122							
HXCDFs	MG/KG	T			0.00000768 EMPC							
OCDD	MG/KG	T			0.00491	0.004	0.00322					0.00436
OCDF	MG/KG	T			0.0000997	0.000446	0.000259					0.00273
TCDDs	MG/KG	T			0.00000857 EMPC	0.0000182 EMPC	0.0000198 EMPC					0.0000154 EMPC
TCDFs	MG/KG	T			0.00000605 EMPC	0.0000618 EMPC	0.0000417 EMPC					0.0000399 EMPC
TOTAL HPCDD	MG/KG	T				0.000321 EMPC	0.000299 EMPC					0.000362 EMPC

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB09	S05SB11	S05SB11	S05SB12	S05SB12	S05SB13	S05SB15	S05SB16
				Date	5/20/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/7/10	6/10/10
				Top (ft)	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	2	2	2	2	2	2
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T				0.0000832 EMPC	0.0000501 EMPC					0.000185 EMPC
TOTAL HXCDD	MG/KG	T				0.000113 EMPC	0.000128 EMPC					0.000097 EMPC
TOTAL HXCDF	MG/KG	T				0.0000655 EMPC	0.0000398 EMPC					0.0000739 EMPC
TOTAL PECDD	MG/KG	T				0.0000325 EMPC	0.0000352 EMPC					0.0000238 EMPC
TOTAL PECDDS	MG/KG	T			0.0000229 EMPC							
TOTAL PECDF	MG/KG	T				0.0000597 EMPC	0.0000376 EMPC					0.0000391 EMPC
TOTAL PECDFS	MG/KG	T			0.00000537 EMPC							
PCB 1	MG/KG	T			ND (0.00000266)	ND (0.00000153)	ND (0.00000166)		0.00000269		0.000145	0.00000973
PCB 10	MG/KG	T			ND (0.000000756)	0.00000035 J	ND (0.000000507)		ND (0.000000573)		0.0000079	0.0000014
PCB 102	MG/KG	T			0.00000165	0.0000063	0.00000385		0.00000161		0.000156	0.0000294
PCB 103	MG/KG	T			ND (0.000000833)	0.00000107	0.000000534 J		0.000000362 J		0.0000247	0.00000663
PCB 104	MG/KG	T			ND (0.000000529)	ND (0.000000188)	ND (0.000000158)		ND (0.000000123)		ND (0.000000242)	ND (0.000000351)
PCB 105	MG/KG	T	0.38	MG/KG	0.0000639	0.000161	0.0000961		0.0000308		0.00215 J	0.000578
PCB 106	MG/KG	T			ND (0.000000709)	ND (0.000000432)	ND (0.000000215)		ND (0.000000171)		ND (0.00000121)	ND (0.00000154)
PCB 109	MG/KG	T			0.0000102	0.0000194	0.0000112		0.00000423		0.000274	0.0000716
PCB 11	MG/KG	T			0.00000523 B	0.00000586 B	0.00000666 B		0.0000052 B		0.0000424	0.0000234
PCB 110	MG/KG	T			0.000152	0.000451	0.000226		0.0000881		0.00631 J	0.00159
PCB 111	MG/KG	T			ND (0.000000672)	ND (0.000000452)	ND (0.000000225)		ND (0.000000179)		ND (0.00000127)	ND (0.00000172)
PCB 112	MG/KG	T			ND (0.000000718)	ND (0.000000425)	ND (0.000000212)		ND (0.000000168)		ND (0.00000012)	ND (0.00000148)
PCB 114	MG/KG	T	0.38	MG/KG	0.0000258	0.00000715	0.00000458		0.0000015		0.000111	0.0000244
PCB 115	MG/KG	T			ND (0.000000655)	ND (0.000000368)	ND (0.000000183)		ND (0.000000146)		ND (0.00000104)	ND (0.00000146)
PCB 117	MG/KG	T			ND (0.000000808)	0.00000754	0.00000498		0.00000144		0.000143	0.0000283
PCB 118	MG/KG	T	0.38	MG/KG	0.000138	0.000355	0.000204		0.0000702		0.00446 J	0.00121
PCB 120	MG/KG	T			ND (0.000000672)	ND (0.000000392)	ND (0.000000195)		ND (0.000000155)		0.00000695	0.00000292
PCB 121	MG/KG	T			ND (0.000000689)	ND (0.000000461)	ND (0.000000229)		ND (0.000000182)		ND (0.00000129)	ND (0.00000168)
PCB 122	MG/KG	T			0.0000165	0.0000376	0.0000221		0.00000922		0.0000845	0.0000203
PCB 123	MG/KG	T	0.38	MG/KG	0.0000292	0.0000072	0.00000379		0.00000155		0.0000134	0.00000333
PCB 126	MG/KG	T	0.00011	MG/KG	0.0000201	0.0000025	0.00000149		0.00000094		0.0000148	0.00000882
PCB 127	MG/KG	T			ND (0.000000721)	ND (0.000000451)	ND (0.000000226)		ND (0.000000181)		ND (0.00000133)	ND (0.00000173)
PCB 130	MG/KG	T			0.0000179	0.0000418	0.0000201		0.0000107		0.000518	0.000182
PCB 131	MG/KG	T			0.00000233	0.00000746	0.00000329		0.00000146		0.0000918	0.0000277
PCB 132	MG/KG	T			0.0000691	0.000193	0.0000868		0.0000477		0.00218 J	0.000745
PCB 133	MG/KG	T			0.00000466	0.00000914	0.00000394		0.00000263		0.0000857	0.0000393
PCB 134	MG/KG	T			0.0000109	0.0000327	0.0000157		0.00000841		0.000401	0.00014
PCB 136	MG/KG	T			0.0000233	0.0000769	0.000032		0.0000208		0.000744	0.000276
PCB 137	MG/KG	T			0.00000849	0.0000294	0.0000162		0.00000584		0.000453	0.000124
PCB 14	MG/KG	T			ND (0.000000107)	0.000000245 J	ND (0.000000456)		ND (0.000000216)		0.000000493 J	ND (0.00000161)
PCB 141	MG/KG	T			0.0000583	0.000115	0.0000525		0.0000364		0.00126	0.000523
PCB 143	MG/KG	T			ND (0.000000608)	0.0000177	0.00000612 J		ND (0.000000152)		0.0000156	ND (0.000000402)
PCB 144	MG/KG	T			0.000009	0.0000305	0.0000132		0.0000085		0.000297	0.000124
PCB 145	MG/KG	T			ND (0.000000538)	ND (0.000000169)	ND (0.000000151)		ND (0.000000101)		0.00000233	ND (0.000000296)
PCB 146	MG/KG	T			0.0000553	0.0000839	0.0000386		0.0000302		0.000826	0.000333
PCB 148	MG/KG	T			ND (0.000000615)	ND (0.000000198)	ND (0.000000193)		ND (0.000000141)		0.00000377	0.00000171
PCB 15	MG/KG	T			0.0000121	0.0000355	0.0000162		0.0000187		0.000892	0.000274
PCB 150	MG/KG	T			ND (0.000000513)	0.00000501 J	ND (0.000000153)		ND (0.000000102)		0.00000526	0.00000219
PCB 152	MG/KG	T			ND (0.000000505)	0.000000384 J	ND (0.000000126)		ND (0.000000843)		0.00000482	0.00000114 J
PCB 154	MG/KG	T			0.00000236	0.00000381	0.00000174		0.00000118		0.0000375	0.000016
PCB 158	MG/KG	T			0.0000293	0.0000726	0.0000352		0.0000196		0.000811	0.00029
PCB 159	MG/KG	T			0.00000345	ND (0.000000359)	0.0000044		ND (0.00000018)		ND (0.000000993)	ND (0.00000111)
PCB 16	MG/KG	T			0.00000776	0.0000101	0.0000043		0.00000718		0.000261	0.0000625
PCB 162	MG/KG	T			ND (0.000000206)	0.00000305	0.00000146		0.000000818 J		ND (0.00000117)	0.0000101
PCB 164	MG/KG	T			0.0000262	0.0000494	0.0000216		0.0000141		0.000466	0.000205
PCB 165	MG/KG	T			ND (0.000000511)	ND (0.000000158)	ND (0.000000154)		ND (0.000000113)		ND (0.000000229)	ND (0.000000294)
PCB 167	MG/KG	T	0.38	MG/KG	0.0000155	0.0000293	0.0000158		0.00000868		0.000372	0.000133

EPA\_SL\_IndSoil\_05/12

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**Summary of Surface Soil Analytical Results**  
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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB09	S05SB11	S05SB11	S05SB12	S05SB12	S05SB13	S05SB15	S05SB16
				Date	5/20/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/7/10	6/10/10
				Top (ft)	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	2	2	2	2	2	2
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000226)	ND (0.00000488)	ND (0.00000275)		ND (0.00000271)		ND (0.0000142)	ND (0.0000114)
PCB 17	MG/KG	T			0.0000834	0.0000125	0.0000069		0.0000092		0.000249	0.0000662
PCB 170	MG/KG	T			0.000119	0.000149	0.0000701		0.0000615		0.00119	0.000702
PCB 172	MG/KG	T			0.0000222	0.0000339	0.0000159		0.0000144		0.000247	0.000132
PCB 174	MG/KG	T			0.000109	0.000213	0.0000934		0.0000827		0.00147	0.000701
PCB 175	MG/KG	T			0.00000389	0.00000885	0.00000411		0.00000346		0.0000652	0.0000322
PCB 176	MG/KG	T			0.00000898	0.0000291	0.0000115		0.0000102		0.000209	0.000102
PCB 177	MG/KG	T			0.0000664	0.000122	0.0000536		0.0000478		0.000861	0.000387
PCB 178	MG/KG	T			0.0000312	0.0000436	0.0000183		0.0000182		0.000288	0.000179
PCB 179	MG/KG	T			0.0000433	0.0000881	0.0000377		0.0000331		0.000577	0.000346
PCB 181	MG/KG	T			ND (0.00000222)	0.00000199	0.00000108		0.00000474 J		0.0000197	0.00000728
PCB 182	MG/KG	T			ND (0.00000212)	0.00000908 J	ND (0.00000239)		0.00000479 J		0.00000706	0.00000371
PCB 183	MG/KG	T			0.0000572	0.000133	0.0000547		0.0000506		0.000833	0.000386
PCB 184	MG/KG	T			ND (0.000000478)	ND (0.00000189)	ND (0.00000144)		ND (0.0000012)		ND (0.00000238)	ND (0.00000297)
PCB 185	MG/KG	T			0.0000113	0.0000222	0.00001		0.00000881		0.000161	0.0000834
PCB 186	MG/KG	T			ND (0.000000462)	ND (0.00000177)	ND (0.00000135)		ND (0.00000113)		ND (0.00000223)	ND (0.00000295)
PCB 187	MG/KG	T			0.000215	0.000266	0.000125		0.000133		0.00168	0.00101
PCB 188	MG/KG	T			ND (0.000000424)	0.00000459 J	ND (0.00000144)		ND (0.0000012)		0.00000225	0.00000199
PCB 189	MG/KG	T	0.38	MG/KG	0.00000521	0.00000992	0.00000517		0.00000374		0.000079	0.0000312
PCB 19	MG/KG	T			0.00000134 EMPC	0.00000534	0.00000168 B		0.0000039		0.00013	0.0000229
PCB 190	MG/KG	T			0.0000259	0.0000426	0.0000193		0.0000178		0.000305	0.000167
PCB 191	MG/KG	T			0.00000396	0.00000908	0.00000419		0.00000326		0.0000633	0.0000307
PCB 194	MG/KG	T			0.0000825	0.000126	0.0000569		0.0000514		0.000729	0.000419
PCB 195	MG/KG	T			0.0000304	0.0000464	0.0000204		0.0000183		0.000282	0.000137
PCB 196	MG/KG	T			0.0000315	0.0000657	0.0000281		0.0000281		0.000372	0.000237
PCB 197	MG/KG	T			0.0000221	0.00000417	0.00000223		0.00000255		0.000031	0.0000145
PCB 2	MG/KG	T			0.00000158	0.00000413	0.00000208		0.00000121 B		0.0000337	0.00000494
PCB 200	MG/KG	T			0.00000941	0.0000206	0.0000084		0.00000966		0.000107	0.0000828
PCB 201	MG/KG	T			0.00000936	0.0000221	0.00000848		0.00000868		0.000115	0.000072
PCB 202	MG/KG	T			0.0000255	0.0000451	0.0000174		0.0000196		0.000233	0.000187
PCB 203	MG/KG	T			0.0000634	0.000107	0.0000445		0.0000456		0.000588	0.000453
PCB 204	MG/KG	T			ND (0.000000853)	ND (0.000000374)	ND (0.00000199)		ND (0.00000192)		ND (0.000000722)	0.00000089 J
PCB 205	MG/KG	T			0.00000378	0.00000801	0.00000382		0.00000294		0.0000425	0.0000246
PCB 206	MG/KG	T			0.0000899	0.000168	0.0000656		0.0000716		0.000833	0.000523
PCB 207	MG/KG	T			0.00000909	0.0000187	0.00000789		0.00000771		0.0000723	0.0000704
PCB 208	MG/KG	T			0.0000281	0.0000621	0.0000234		0.0000286		0.000289	0.000205
PCB 209	MG/KG	T			0.00034	0.00169	0.000686		0.000379		0.0155 J	0.0156 J
PCB 22	MG/KG	T			0.0000143	0.0000234	0.0000195		0.0000141		0.000439	0.000157
PCB 23	MG/KG	T			ND (0.00000106)	ND (0.00000146)	ND (0.00000121)		ND (0.000000877)		0.00000138	0.00000644 J
PCB 24	MG/KG	T			ND (0.000000863)	0.00000459 J	0.00000198 J		0.00000025 J		0.00000883	0.00000258
PCB 25	MG/KG	T			0.00000307	0.0000044	0.00000273		0.00000265		0.0000876	0.000039
PCB 27	MG/KG	T			0.00000138	0.00000308	0.00000158		0.00000204		0.0000539	0.0000166
PCB 3	MG/KG	T			0.00000329 EMPC	0.00000868	0.00000427 EMPC		0.00000466 EMPC		0.000233	0.0000158
PCB 31	MG/KG	T			0.0000342	0.000048	0.0000522		0.0000028		0.000942	0.000434
PCB 32	MG/KG	T			0.00000787	0.0000154	0.00000794		0.00000947		0.000265	0.000074
PCB 34	MG/KG	T			ND (0.000000104)	0.000000442 J	ND (0.000000106)		0.000000193 J		0.00000398	0.00000182
PCB 35	MG/KG	T			0.00000106	0.00000267	0.00000158		0.00000101		0.000032	ND (0.000000523)
PCB 36	MG/KG	T			ND (0.0000001)	ND (0.000000115)	ND (0.0000000949)		ND (0.000000069)		ND (0.000000187)	ND (0.000000461)
PCB 37	MG/KG	T			0.0000178	0.0000574	0.0000057		0.0000302		0.00142	0.000389
PCB 38	MG/KG	T			ND (0.000000108)	ND (0.00000014)	ND (0.000000115)		ND (0.0000000837)		0.00000368	0.00000078 J
PCB 39	MG/KG	T			ND (0.0000000987)	0.000000767 J	0.000000628 J		0.000000312 J		0.00000849	0.0000031
PCB 4	MG/KG	T			0.00000356	0.00000746	0.00000311 B		0.00000519 B		0.000178	0.0000324
PCB 41	MG/KG	T			0.00000314	0.00000398	0.00000385		0.00000221		0.000112	0.0000203
PCB 42	MG/KG	T			0.00000948	0.0000162	0.000019		0.00000756		0.000674	0.000101

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB09	S05SB11	S05SB11	S05SB12	S05SB12	S05SB13	S05SB15	S05SB16
				Date	5/20/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/7/10	6/10/10
				Top (ft)	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	2	2	2	2	2	2
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS
PCB 43	MG/KG	T			ND (0.000000961)	0.0000188	0.0000295		0.00000821 J	0.0000663	0.0000093	
PCB 45	MG/KG	T			0.00000339	0.00000751	0.00000483		0.00000458	0.000443	0.0000571	
PCB 46	MG/KG	T			0.0000015	0.00000359	0.00000176		0.00000243	0.00018	0.0000185	
PCB 48	MG/KG	T			0.00000535	0.00000786	0.0000117		0.00000386	0.000194	0.0000433	
PCB 5	MG/KG	T			0.000000793	0.000000488 J	ND (0.000000487)		ND (0.000000231)	0.0000107	0.00000235	
PCB 51	MG/KG	T			0.00000104	0.00000301	0.00000158 B		0.0000017 B	0.000129	0.0000129	
PCB 52	MG/KG	T			0.0000457	0.000107	0.000108		0.0000333 B	0.00182	0.000478	
PCB 54	MG/KG	T			ND (0.000000698)	ND (0.00000016)	ND (0.000000156)		0.000000181 J	0.00000593	0.000001	
PCB 55	MG/KG	T			ND (0.000000195)	0.00000134	0.00000198		0.000000706 J	0.0000252	0.0000091	
PCB 56	MG/KG	T			0.0000208	0.0000337	0.0000499		0.0000139	0.000971	0.000284	
PCB 57	MG/KG	T			ND (0.000000187)	ND (0.000000404)	ND (0.000000198)		ND (0.000000161)	0.00000467	0.00000248	
PCB 58	MG/KG	T			ND (0.000000187)	ND (0.00000035)	ND (0.000000172)		ND (0.000000139)	0.00000689	0.00000183	
PCB 6	MG/KG	T			0.00000489	0.00000472	0.0000022 B		0.00000235 B	0.000114	0.0000431	
PCB 60	MG/KG	T			0.0000113	0.0000185	0.0000259		0.00000802	0.000358	0.000122	
PCB 63	MG/KG	T			0.00000181	0.00000279	0.00000329		0.00000115	0.0000519	0.000022	
PCB 64	MG/KG	T			0.0000174	0.0000425	0.0000537		0.0000156	0.00096	0.000244	
PCB 66	MG/KG	T			0.000042	0.0000731	0.0000993		0.0000304	0.00199 J	0.000578	
PCB 67	MG/KG	T			0.00000104	0.00000214	0.00000303		0.00000105	0.0000374	0.0000152	
PCB 68	MG/KG	T			0.000000391	0.000000505 J	0.00000032 J		0.000000266 J	0.0000145	0.00000382	
PCB 7	MG/KG	T			0.000000442	0.000000639 J	ND (0.000000468)		0.000000265 J	0.0000188	0.00000428	
PCB 72	MG/KG	T			0.000000493	0.000000613 J	0.000000505 J		0.000000263 J	0.0000216	0.00000608	
PCB 73	MG/KG	T			ND (0.000000607)	ND (0.000000107)	ND (0.000000162)		0.0000000911 J	0.00000586	0.0000015	
PCB 77	MG/KG	T	0.11	MG/KG	0.0000101	0.0000165	0.0000199		0.00000752	0.000541	0.000165	
PCB 78	MG/KG	T			ND (0.000000193)	ND (0.000000385)	ND (0.000000189)		ND (0.000000153)	ND (0.00000233)	ND (0.00000154)	
PCB 79	MG/KG	T			ND (0.000000163)	0.00000274	0.00000178		0.000000613 J	0.0000539	0.00000802	
PCB 8	MG/KG	T			0.0000172	0.0000192	0.00000977		0.00000766	0.000658	0.000193	
PCB 80	MG/KG	T			ND (0.000000167)	ND (0.000000389)	ND (0.000000191)		ND (0.000000155)	ND (0.00000236)	ND (0.00000155)	
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.000000183)	0.000000866 J	0.00000127		0.000000338 J	0.0000266	0.00000594 J	
PCB 82	MG/KG	T			0.0000106	0.0000323	0.0000189		0.00000616	0.000856	0.000132	
PCB 83	MG/KG	T			0.00000365	0.000017	0.0000105		ND (0.000000241)	0.000262	0.0000511	
PCB 84	MG/KG	T			0.0000205	0.0000655	0.0000322		0.0000149	0.00135	0.000221	
PCB 88	MG/KG	T			ND (0.000000108)	ND (0.000000671)	ND (0.000000334)		ND (0.000000265)	ND (0.00000189)	ND (0.00000029)	
PCB 89	MG/KG	T			0.000000754	0.00000212	0.00000127		0.000000623 J	0.0000845	0.0000114	
PCB 9	MG/KG	T			0.00000193 B	0.00000119	0.000000593 J		0.000000642 J	0.0000272	0.0000072	
PCB 91	MG/KG	T			0.0000103	0.0000418	0.0000205		0.00000995	0.000787	0.000166	
PCB 92	MG/KG	T			0.0000185	0.0000557	0.0000289		0.0000113	0.000956	0.000216	
PCB 94	MG/KG	T			ND (0.000000098)	0.00000142	0.000000837 J		ND (0.000000258)	0.0000327	0.0000057	
PCB 95	MG/KG	T			0.0000759	0.000242	0.000115		0.0000549	0.00356 J	0.000854	
PCB 96	MG/KG	T			0.000000489	0.00000188	0.000000946		0.000000946	0.0000446	0.00000835	
PCB 98	MG/KG	T			ND (0.0000000955)	ND (0.000000659)	ND (0.000000328)		ND (0.000000261)	ND (0.00000185)	ND (0.00000203)	
PCB 99	MG/KG	T			0.0000484	0.0001	0.0000603		0.0000222	0.00191 J	0.000455	
PCB-100/93	MG/KG	T			ND (0.0000000866)	0.0000015	0.000000925		0.000000495 J	0.0000476	0.00000859	
PCB-107/124	MG/KG	T			0.0000063	0.0000134	0.00000769		0.0000029	0.000236	0.0000601	
PCB-108/119/86/97/125/87	MG/KG	T			0.0000565	0.000196	0.000116		0.000035	0.00375 E	0.000739	
PCB-113/90/101	MG/KG	T			0.000106	0.000287	0.000157		0.000061	0.00478 J	0.00115	
PCB-116/85	MG/KG	T			0.0000233	0.0000586	0.0000372		0.0000113	0.00117	0.000282	
PCB-128/166	MG/KG	T			0.0000465	0.0001	0.0000524		0.0000291	0.00137	0.000446	
PCB-13/12	MG/KG	T			0.00000508	0.00000574	0.00000232		0.00000152	0.0000781	0.0000381	
PCB-139/140	MG/KG	T			0.00000312	0.00000998	0.00000054		0.00000208	0.000126	0.0000411	
PCB-147/149	MG/KG	T			0.000229	0.000483	0.000221		0.00014	0.00442 J	0.0019 J	
PCB-151/135	MG/KG	T			0.0000953	0.000211	0.0000911		0.0000647	0.0018	0.000798	
PCB-153/168	MG/KG	T			0.000324	0.000511	0.000233		0.000173	0.0052 J	0.00215 J	
PCB-156/157	MG/KG	T			0.0000374	0.0000801	0.0000451		0.0000205	0.00111	0.000307	
PCB-163/138/129	MG/KG	T			0.000389	0.00074	0.000347		0.00021	0.00807 J	0.00327 J	

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB09	S05SB11	S05SB11	S05SB12	S05SB12	S05SB13	S05SB15	S05SB16
				Date	5/20/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/7/10	6/10/10
				Top (ft)	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	2	2	2	2	2	2
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS
PCB-171/173	MG/KG	T			0.000282	0.000606	0.000274		0.000229		0.000464	0.000207
PCB-180/193	MG/KG	T			0.00029	0.000648	0.000292		0.00027		0.00424 J	0.00162
PCB-198/199	MG/KG	T			0.000114	0.000186	0.0000758		0.0000786		0.00103	0.000825
PCB-21/33	MG/KG	T			0.0000193	0.0000291	0.0000146		0.0000185		0.000723	0.000234
PCB-26/29	MG/KG	T			0.00000653	0.00000948	0.000009		0.00000573		0.000169	0.0000805
PCB-28/20	MG/KG	T			0.0000375	0.0000675	0.0000506		0.0000429		0.00131	0.000496
PCB-30/18	MG/KG	T			0.0000196	0.000032	0.0000211		0.00002		0.000608	0.000201
PCB-44/47/65	MG/KG	T			0.0000394	0.0000653	0.0000692		0.0000266		0.00198 J	0.000398
PCB-50/53	MG/KG	T			0.00000405	0.0000128	0.00000866		0.00000692		0.000471	0.0000704
PCB-59/62/75	MG/KG	T			0.00000345	0.00000796	0.00000885		0.00000332		0.000243	0.0000514
PCB-61/70/74/76	MG/KG	T			0.000084	0.000156	0.000175		0.0000534		0.00328 J	0.000932
PCB-69/49	MG/KG	T			0.0000261	0.0000406	0.0000511		0.0000189		0.000893	0.000304
PCB-71/40	MG/KG	T			0.0000141	0.0000243	0.000031		0.0000112		0.00124	0.000161
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000512	0.0000814	0.0000408		0.0000415		0.00203	0.000619
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00104	0.00188	0.000844		0.000782 EMPC		0.0128	0.00613
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00146	0.00292 EMPC	0.00136		0.000856		0.0307	0.0121 J
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000487 EMPC	0.0000128	0.00000635 EMPC		0.00000856 EMPC		0.000411	0.0000305
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000127	0.000249	0.0000969		0.000108		0.00119	0.000798
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000372	0.000632	0.000266		0.000265		0.00353	0.00245
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000756	0.00214	0.00117		0.000433		0.0337	0.00797
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000346	0.000653	0.000758		0.000257 EMPC		0.0168	0.00413 J
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00018 EMPC	0.000322	0.000251		0.000196		0.00671	0.00228 J
ALUMINUM	MG/KG	T	990000	MG/KG	15500	16600	14900	16100		17700		12000
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.11) UJ	2.45 J	3.37 J	ND (1.14) UJ		ND (1.09)		1.27 J
ARSENIC	MG/KG	T	1.6	MG/KG	^6.08	^3.83 ^3.45		^4.31		^3.82		^2.74
BARIIUM	MG/KG	T	190000	MG/KG	52	51.9	58	48.8		51		76.7
BERYLLIUM	MG/KG	T	2000	MG/KG	0.875	0.744	0.719	0.805		0.755		0.642
CADMIUM	MG/KG	T	800	MG/KG	ND (0.156)	0.979	0.974	0.997		0.339 J		1.28
CALCIUM	MG/KG	T			1140 J	1600 J	1720 J	1170 J		1050		2170
CHROMIUM	MG/KG	T			39.3	37.9 J	36.3 J	32.6 J		31.3		63.4 J
COBALT	MG/KG	T	300	MG/KG	8.39	6.56	6.96	7.56		8.64		5.95
COPPER	MG/KG	T	41000	MG/KG	28.5	60.3	68.5	18.5		30.2		960
IRON	MG/KG	T	720000	MG/KG	39600	25800	26200	28800		31800		22800
LEAD	MG/KG	T	800	MG/KG	34.7	99.2	96.1	27.9		68.6		287
MAGNESIUM	MG/KG	T			2100	1990	2070	2120		1540		1960
MANGANESE	MG/KG	T	23000	MG/KG	115 J	166	172	136		166		170 J
MERCURY	MG/KG	T	43	MG/KG	0.0556 J	0.183 J	0.149 J	0.0379 J		0.123		0.312
NICKEL	MG/KG	T	20000	MG/KG	15.6	15.2	16	14.5		13.4		17.9 J
POTASSIUM	MG/KG	T			1180 J	1260 J	1350 J	1310 J		1000 J		1080 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.09)	ND (1.08)	ND (1.07)	ND (1.12)		ND (1.07)		
SILVER	MG/KG	T	5100	MG/KG	ND (0.189)	ND (0.199)	ND (0.197)	ND (0.205)		ND (0.196)		
SODIUM	MG/KG	T			93.8 J	64.2 J	71.9 J	101 J		114		59.1 J
THALLIUM	MG/KG	T	10	MG/KG	0.183 J	1.69 J	1.68 J	1.8 J		1.78 J		
TITANIUM	MG/KG	T			956			764 J		779		
VANADIUM	MG/KG	T			57.6	63.4	58.4	52.9		52.9		105
ZINC	MG/KG	T	310000	MG/KG	40.6	52.9	92	44		38.1		73.1
C19 to C36 Aliphatics	MG/KG	T										
TOTAL ORGANIC CARBON	MG/KG	T			4170							
TPH-DRO	MG/KG	T										
HPCDFS	MG/KG	T			0.0000119							
ORO >C28 - C35	MG/KG	T										

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB17	S05SB17	S08SB01	S08SB02	S08SB03	S13SB06	S13SB16	S13SB17	S13SB18
				Date	6/18/10	6/18/10	5/5/08	5/5/08	5/5/08	5/27/08	6/7/10	6/7/10	6/7/10
				Top (ft)	0	0	1	0	1	0	0	0	0
				Bottom (ft)	2	2	3	2	3	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG		46	ND (6)	16 J	22		ND (7)	ND (6)	ND (7)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG		ND (1)					ND (1)	ND (0.9)	ND (1)
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG		ND (2)					ND (2)	ND (2)	ND (2)
METHYL CHLORIDE	UG/KG	T	500000	UG/KG		ND (2)					ND (2)	ND (2)	ND (2)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG		ND (4)					ND (4)	ND (4)	ND (4)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG		ND (1)					ND (1)	ND (0.9)	ND (1)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG		ND (1)					ND (1)	ND (0.9)	ND (1)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG		ND (37)					ND (38)	ND (38)	ND (37)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG		87 J					ND (38)	ND (38)	ND (37)
ACENAPHTHYLENE	UG/KG	T		UG/KG		ND (37)					ND (38)	ND (38)	ND (37)
ANTHRACENE	UG/KG	T	170000000	UG/KG		110 J					ND (38)	ND (38)	ND (37)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG		240					ND (38)	ND (38)	73 J
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG		230					ND (38)	ND (38)	130 J
BENZO(G,H,I)PERYLENE	UG/KG	T		UG/KG		140 J					ND (38)	ND (38)	83 J
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG		97 J					ND (38)	ND (38)	ND (37)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG		200					ND (38)	ND (38)	93 J
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG		ND (75)					ND (77)	ND (76)	ND (74)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG		ND (75)					ND (77)	ND (76)	ND (74)
CARBAZOLE	UG/KG	T		UG/KG		46 J					ND (38)	ND (38)	ND (37)
CHRYSENE	UG/KG	T	210000	UG/KG		270					ND (38)	ND (38)	80 J
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG		ND (37)					ND (38)	ND (38)	ND (37)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG		ND (37)					ND (38)	ND (38)	ND (37)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG		ND (75)					ND (77)	ND (76)	ND (74)
FLUORANTHENE	UG/KG	T	22000000	UG/KG		450					ND (38)	ND (38)	130 J
FLUORENE	UG/KG	T	22000000	UG/KG		47 J					ND (38)	ND (38)	ND (37)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG		38 J					ND (38)	78 J	ND (37)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG		110 J					ND (38)	ND (38)	61 J
NAPHTHALENE	UG/KG	T	18000	UG/KG		ND (37)					ND (38)	ND (38)	ND (37)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG		ND (37)					ND (38)	ND (38)	ND (37)
PHENANTHRENE	UG/KG	T		UG/KG		400					ND (38)	ND (38)	57 J
PYRENE	UG/KG	T	17000000	UG/KG		450					ND (38)	ND (38)	130 J
1,2,3,4,6,7,8-HPCDD	MG/KG	T								0.0000312	0.0000323	0.0000752	0.0000412
1,2,3,4,6,7,8-HPCDF	MG/KG	T								0.00000603	0.00000106 J	0.0000104	0.0000135
1,2,3,4,7,8,9-HPCDF	MG/KG	T								0.00000263	ND (0.000000135)	0.00000246	0.00000381
1,2,3,4,7,8-HXCDD	MG/KG	T								ND (0.000000248) UJ	0.000000713 J	0.000000668 J	0.000000482 J
1,2,3,4,7,8-HXCDF	MG/KG	T								0.00000236 J	0.000000188 J	0.0000012 J	0.00000241
1,2,3,6,7,8-HXCDD	MG/KG	T								0.000000737 J	0.00000013 J	0.00000119 J	0.00000106 J
1,2,3,6,7,8-HXCDF	MG/KG	T								0.00000052 J	0.000000132 J	0.000000477 J	0.000000914 J
1,2,3,7,8,9-HXCDD	MG/KG	T								0.000000713 J	0.000000196 J	0.00000193 J	0.0000011 J
1,2,3,7,8,9-HXCDF	MG/KG	T								0.000000475 EMPC J	ND (0.0000000975)	ND (0.0000000893)	ND (0.0000000924)
1,2,3,7,8-PECDD	MG/KG	T								ND (0.0000000997)	0.000000577 J	0.00000003 J	0.000000281 J
1,2,3,7,8-PECDF	MG/KG	T								0.000000466 J	0.0000000642 J	0.000000407 J	0.000000828 J
2,3,4,6,7,8-HXCDF	MG/KG	T								0.000000532 EMPC J	ND (0.0000000754)	0.000000353 J	0.000000656 J
2,3,4,7,8-PECDF	MG/KG	T								0.000000376 J	0.0000000794 EMPC J	0.000000288 J	0.000000569 J
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG						ND (0.000000111)	ND (0.000000108)	0.000000134 J	0.0000000916 J
2,3,7,8-TCDF	MG/KG	T								0.000000202 EMPC J	ND (0.0000000756)	0.000000297 J	0.000000455 J
HPCDDS	MG/KG	T								0.0000676			
HXCDDS	MG/KG	T								0.0000176 EMPC			
HXCDFS	MG/KG	T								0.00000753 EMPC			
OCDD	MG/KG	T								0.00127	0.00257	0.01 J	0.00289
OCDF	MG/KG	T								0.000121	0.00000468 B	0.000606	0.000536
TCDDS	MG/KG	T								0.00000125 EMPC	0.00000151 EMPC	0.00000104	0.00000104 EMPC
TCDFS	MG/KG	T								0.00000364 EMPC	0.000000359 EMPC	0.00000285	0.00000662 EMPC
TOTAL HPCDD	MG/KG	T									0.0000664 EMPC	0.000165	0.000099 EMPC

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB17	S05SB17	S08SB01	S08SB02	S08SB03	S13SB06	S13SB16	S13SB17	S13SB18
				Date	6/18/10	6/18/10	5/5/08	5/5/08	5/5/08	5/27/08	6/7/10	6/7/10	6/7/10
				Top (ft)	0	0	1	0	1	0	0	0	0
				Bottom (ft)	2	2	3	2	3	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T									0.0000173 B	0.0000188	0.0000276 EMPC
TOTAL HXCDD	MG/KG	T									0.0000333 EMPC	0.0000293	0.00002 EMPC
TOTAL HXCDF	MG/KG	T									0.0000087 EMPC	0.00000467	0.0000113 EMPC
TOTAL PECDD	MG/KG	T									0.00000883 EMPC	0.00000536	0.00000503 EMPC
TOTAL PECDDS	MG/KG	T								0.00000357 EMPC			
TOTAL PECDF	MG/KG	T									0.00000492 EMPC	0.00000236	0.00000769 EMPC
TOTAL PECDFS	MG/KG	T								0.00000484 EMPC			
PCB 1	MG/KG	T			ND (0.00000167)					0.00000374	ND (0.000000522)	ND (0.000000422)	0.00000129
PCB 10	MG/KG	T			ND (0.00000708)					0.000000351	ND (0.000000589)	ND (0.00000126)	ND (0.000000562)
PCB 102	MG/KG	T			ND (0.00000489)					0.00000054	ND (0.000000294)	0.0000144	0.00000419
PCB 103	MG/KG	T			ND (0.00000383)					0.000000964	ND (0.000000231)	0.00000223	0.000000525 J
PCB 104	MG/KG	T			ND (0.00000162)					ND (0.0000000862)	ND (0.00000017)	ND (0.000000264)	ND (0.000000136)
PCB 105	MG/KG	T	0.38	MG/KG	0.000288					0.0000628	ND (0.000000204)	0.000264	0.0000426
PCB 106	MG/KG	T			ND (0.00000358)					ND (0.00000023)	ND (0.000000205)	ND (0.000000454)	ND (0.000000414)
PCB 109	MG/KG	T			0.0000385					0.00000948	ND (0.000000177)	0.0000267	0.00000535
PCB 11	MG/KG	T			0.00000709 B					0.000102	0.00000384 B	0.00000522 B	0.00000446 B
PCB 110	MG/KG	T			0.000869					0.000275	0.000000851 J	0.000774	0.000198
PCB 111	MG/KG	T			ND (0.00000387)					ND (0.000000215)	ND (0.000000225)	ND (0.000000497)	ND (0.000000454)
PCB 112	MG/KG	T			ND (0.0000036)					ND (0.000000233)	ND (0.000000193)	ND (0.000000428)	ND (0.00000039)
PCB 114	MG/KG	T	0.38	MG/KG	0.0000118					0.00000322	ND (0.000000218)	0.0000117	0.00000172
PCB 115	MG/KG	T			ND (0.00000318)					ND (0.000000226)	ND (0.000000188)	ND (0.000000415)	ND (0.000000379)
PCB 117	MG/KG	T			0.0000161					0.00000581	ND (0.000000225)	0.0000158	0.00000109
PCB 118	MG/KG	T	0.38	MG/KG	0.000658					0.000139	0.000000458 J	0.000601	0.000108
PCB 120	MG/KG	T			ND (0.00000322)					ND (0.000000215)	ND (0.00000019)	ND (0.000000421)	ND (0.000000384)
PCB 121	MG/KG	T			ND (0.00000386)					ND (0.000000219)	ND (0.000000228)	ND (0.000000505)	ND (0.00000046)
PCB 122	MG/KG	T			0.0000081					0.00000213	ND (0.000000226)	0.00000516 EMPC	0.00000121
PCB 123	MG/KG	T	0.38	MG/KG	0.0000175					0.00000318	ND (0.000000234)	0.00000908	0.00000247
PCB 126	MG/KG	T	0.00011	MG/KG	0.00000644					0.00000109	ND (0.000000292)	ND (0.000000467)	0.000000813 J
PCB 127	MG/KG	T			ND (0.00000401)					ND (0.00000021)	ND (0.000000195)	ND (0.000000474)	ND (0.000000422)
PCB 130	MG/KG	T			0.0000867					0.0000233	ND (0.0000002)	0.0000284	0.0000237
PCB 131	MG/KG	T			0.0000144					0.00000534	ND (0.000000163)	0.00000709	0.00000433
PCB 132	MG/KG	T			0.000328					0.000131	ND (0.000000167)	0.000165	0.000119
PCB 133	MG/KG	T			0.0000256					0.00000477	ND (0.000000188)	0.00000532	0.0000045 EMPC
PCB 134	MG/KG	T			0.0000579					0.0000237	ND (0.00000022)	0.0000288	0.0000219
PCB 136	MG/KG	T			0.000122					0.000047	ND (0.000000147)	0.0000611	0.0000417
PCB 137	MG/KG	T			0.0000645					0.0000131	ND (0.000000196)	0.0000282	0.0000162
PCB 14	MG/KG	T			ND (0.00000823)					ND (0.000000186)	ND (0.000000737)	ND (0.00000171)	ND (0.000000717)
PCB 141	MG/KG	T			0.000236					0.0000716	ND (0.00000016)	0.0000788	0.0000501
PCB 143	MG/KG	T			0.00000403 EMPC					ND (0.0000000769)	ND (0.00000019)	0.00000163	ND (0.000000195)
PCB 144	MG/KG	T			0.000053					0.0000199	ND (0.00000017)	0.0000211	0.0000171
PCB 145	MG/KG	T			ND (0.00000139)					ND (0.0000000652)	ND (0.000000152)	ND (0.000000252)	ND (0.000000137)
PCB 146	MG/KG	T			0.000184					0.0000485	ND (0.000000147)	0.0000467	0.0000423
PCB 148	MG/KG	T			ND (0.00000216)					0.000000187 EMPC	ND (0.000000198)	ND (0.000000351)	ND (0.000000204)
PCB 15	MG/KG	T			0.0000402					0.0000159	ND (0.000000091)	0.00000479	0.0000132
PCB 150	MG/KG	T			ND (0.00000142)					0.00000277	ND (0.000000156)	ND (0.000000258)	0.00000031 J
PCB 152	MG/KG	T			ND (0.00000119)					0.000000273	ND (0.000000129)	ND (0.000000214)	ND (0.000000116)
PCB 154	MG/KG	T			0.0000121					0.00000235	ND (0.000000156)	0.00000287	0.00000203
PCB 158	MG/KG	T			0.000142					0.0000421	ND (0.00000012)	0.0000492	0.0000308
PCB 159	MG/KG	T			ND (0.00000273)					0.00000495	ND (0.000000155)	0.0000027	ND (0.000000426)
PCB 16	MG/KG	T			0.0000111					0.0000173	ND (0.000000335)	0.00000253	0.00000217
PCB 162	MG/KG	T			ND (0.00000311)					0.00000155	ND (0.000000173)	0.0000014	0.0000012
PCB 164	MG/KG	T			0.0000956					0.0000325	ND (0.000000117)	0.0000278	0.0000285
PCB 165	MG/KG	T			ND (0.00000166)					ND (0.0000000658)	ND (0.000000147)	ND (0.000000261)	ND (0.000000152)
PCB 167	MG/KG	T	0.38	MG/KG	0.0000729					0.0000149	ND (0.000000178)	0.000018	0.0000156

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB17	S05SB17	S08SB01	S08SB02	S08SB03	S13SB06	S13SB16	S13SB17	S13SB18
				Date	6/18/10	6/18/10	5/5/08	5/5/08	5/5/08	5/27/08	6/7/10	6/7/10	6/7/10
				Top (ft)	0	0	1	0	1	0	0	0	0
				Bottom (ft)	2	2	3	2	3	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000464)				ND (0.00000036)	ND (0.000000617)	ND (0.000000597)	ND (0.000000485)	
PCB 17	MG/KG	T			0.000013				0.0000169	ND (0.000000272)	0.00000229	0.00000219	
PCB 170	MG/KG	T			0.000432				0.00014	ND (0.000000237)	0.000075	0.000106	
PCB 172	MG/KG	T			0.0000751				0.0000251	ND (0.000000243)	0.0000129	0.0000205	
PCB 174	MG/KG	T			0.000419				0.000155	ND (0.000000225)	0.0000826	0.000113	
PCB 175	MG/KG	T			0.0000176				0.00000663	ND (0.000000256)	0.00000383	0.00000572	
PCB 176	MG/KG	T			0.0000403				0.0000168	ND (0.000000204)	0.0000112	0.0000149	
PCB 177	MG/KG	T			0.000231				0.0000848	ND (0.000000243)	0.0000452	0.000064	
PCB 178	MG/KG	T			0.0000833				0.0000266	ND (0.000000242)	0.000015	0.0000215	
PCB 179	MG/KG	T			0.000151				0.0000575	ND (0.000000183)	0.0000339	0.0000448	
PCB 181	MG/KG	T			ND (0.0000042)				0.0000011	ND (0.000000255)	0.000000973	0.00000108	
PCB 182	MG/KG	T			ND (0.00000357)				ND (0.000000306)	ND (0.000000226)	ND (0.000000401)	ND (0.000000346)	
PCB 183	MG/KG	T			0.000248				0.0000834	ND (0.000000219)	0.0000499	0.0000663	
PCB 184	MG/KG	T			ND (0.00000175)				ND (0.0000000951)	ND (0.000000198)	ND (0.000000278)	ND (0.00000014)	
PCB 185	MG/KG	T			0.0000488 EMPC				0.0000176	ND (0.000000275)	0.00000726	0.0000129	
PCB 186	MG/KG	T			ND (0.00000168)				ND (0.0000000895)	ND (0.000000187)	ND (0.000000263)	ND (0.000000133)	
PCB 187	MG/KG	T			0.000639				0.00018	0.000000407 J	0.000106	0.000155	
PCB 188	MG/KG	T			ND (0.00000185)				0.000000208	ND (0.000000203)	ND (0.000000284)	ND (0.000000143)	
PCB 189	MG/KG	T	0.38	MG/KG	0.0000186				0.00000533	ND (0.000000183)	0.00000323	0.00000445	
PCB 19	MG/KG	T			0.00000605				0.00000421	ND (0.000000352)	0.000000626 J	0.0000012	
PCB 190	MG/KG	T			0.000105				0.0000272	ND (0.000000185)	0.0000166	0.00002	
PCB 191	MG/KG	T			0.0000173				0.0000058	ND (0.000000194)	0.00000318 EMPC	0.00000509	
PCB 194	MG/KG	T			0.000274				0.0000775	0.000000211	0.0000465	0.0000727	
PCB 195	MG/KG	T			0.0000903				0.0000303	ND (0.000000254)	0.0000149	0.0000245	
PCB 196	MG/KG	T			0.000117				0.0000367	ND (0.000000213)	0.0000228	0.000036	
PCB 197	MG/KG	T			0.00000608 EMPC				0.00000301	ND (0.000000155)	0.00000159 EMPC	0.00000256	
PCB 2	MG/KG	T			ND (0.00000126)				0.00000195	ND (0.000000201)	0.000000657 J	0.000000708 J	
PCB 200	MG/KG	T			0.0000515				0.0000107	ND (0.000000193)	0.00000606	0.0000112	
PCB 201	MG/KG	T			0.0000427				0.0000105	ND (0.000000181)	0.000007	0.0000113	
PCB 202	MG/KG	T			0.000128				0.0000174	ND (0.000000212)	0.0000157	0.0000261	
PCB 203	MG/KG	T			0.00022				0.000052	ND (0.000000205)	0.0000382	0.000059	
PCB 204	MG/KG	T			ND (0.00000295)				ND (0.000000122)	ND (0.000000183)	ND (0.000000321)	ND (0.000000226)	
PCB 205	MG/KG	T			0.0000159				0.00000386	ND (0.000000229)	0.00000226	0.00000375	
PCB 206	MG/KG	T			0.000487				0.0000734	ND (0.000000897)	0.0000903	0.000141	
PCB 207	MG/KG	T			0.0000401				0.000011	ND (0.000000592)	0.00000945	0.000016	
PCB 208	MG/KG	T			0.000153				0.000025	ND (0.000000719)	0.0000286	0.0000482	
PCB 209	MG/KG	T			0.00319 J				0.000467	0.00000529	0.00249	0.00282	
PCB 22	MG/KG	T			0.0000281				0.0000221	ND (0.000000233)	0.00000453	0.00000454	
PCB 23	MG/KG	T			ND (0.0000025)				ND (0.000000225)	ND (0.0000003)	ND (0.000000456)	ND (0.000000281)	
PCB 24	MG/KG	T			ND (0.00000149)				0.000000591	ND (0.000000207)	ND (0.000000356)	ND (0.000000171)	
PCB 25	MG/KG	T			0.00000729				0.0000039	ND (0.000000221)	0.000000869 J	0.000000991	
PCB 27	MG/KG	T			0.00000399				0.00000307	ND (0.000000219)	ND (0.000000377)	0.000000632 J	
PCB 3	MG/KG	T			ND (0.00000147)				0.00000549	ND (0.000000242)	ND (0.000000456)	ND (0.000000222)	
PCB 31	MG/KG	T			0.0000678				0.0000498	0.000000357 B	0.0000168	0.0000106	
PCB 32	MG/KG	T			0.0000147				0.0000142	0.000000204 J	0.0000022	0.00000339	
PCB 34	MG/KG	T			ND (0.00000222)				0.000000327	ND (0.000000263)	ND (0.0000004)	ND (0.000000246)	
PCB 35	MG/KG	T			ND (0.00000223)				0.00000426	ND (0.000000262)	ND (0.000000399)	0.000000717 J	
PCB 36	MG/KG	T			ND (0.00000199)				0.00000173	ND (0.000000227)	ND (0.000000346)	ND (0.000000213)	
PCB 37	MG/KG	T			0.0000548				0.0000241	ND (0.000000278)	0.00000737	0.0000124	
PCB 38	MG/KG	T			ND (0.00000234)				ND (0.00000022)	ND (0.000000272)	ND (0.000000414)	ND (0.000000255)	
PCB 39	MG/KG	T			ND (0.00000226)				0.000000318	ND (0.000000263)	ND (0.0000004)	ND (0.000000247)	
PCB 4	MG/KG	T			0.00000656				0.00000484	ND (0.00000106)	0.00000105 J	0.00000238	
PCB 41	MG/KG	T			0.00000582				0.00000639	ND (0.000000276)	0.00000153	0.000000663 J	
PCB 42	MG/KG	T			0.0000268				0.0000149	ND (0.000000274)	0.0000134	0.00000298	

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 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB17	S05SB17	S08SB01	S08SB02	S08SB03	S13SB06	S13SB16	S13SB17	S13SB18
				Date	6/18/10	6/18/10	5/5/08	5/5/08	5/5/08	5/27/08	6/7/10	6/7/10	6/7/10
				Top (ft)	0	0	1	0	1	0	0	0	0
				Bottom (ft)	2	2	3	2	3	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 43	MG/KG	T			ND (0.0000313)					0.0000194	ND (0.00000298)	ND (0.00000511)	ND (0.00000209)
PCB 45	MG/KG	T			0.0000109					0.0000115	ND (0.00000264)	0.00000319	0.00000261
PCB 46	MG/KG	T			0.00000575					0.00000508	ND (0.00000281)	0.00000168	0.00000134
PCB 48	MG/KG	T			0.0000114					0.000011	ND (0.00000233)	0.00000578	0.00000123
PCB 5	MG/KG	T			ND (0.00000898)					0.00000733 B	ND (0.00000807)	ND (0.00000187)	ND (0.00000786)
PCB 51	MG/KG	T			0.00000398					0.00000298	ND (0.00000025)	0.00000742 J	0.00000855 J
PCB 52	MG/KG	T			0.000206					0.0000957	0.00000622 B	0.00039	0.0000196
PCB 54	MG/KG	T			ND (0.00000176)					0.00000191	ND (0.00000183)	ND (0.00000387)	ND (0.00000191)
PCB 55	MG/KG	T			ND (0.00000301)					0.00000102	ND (0.00000252)	ND (0.00000876)	ND (0.00000326)
PCB 56	MG/KG	T			0.0000601					0.000029	ND (0.00000236)	0.0000396	0.00000662
PCB 57	MG/KG	T			ND (0.00000319)					ND (0.00000248)	ND (0.00000273)	ND (0.00000952)	ND (0.00000354)
PCB 58	MG/KG	T			ND (0.00000288)					ND (0.00000249)	ND (0.00000242)	ND (0.00000842)	ND (0.00000313)
PCB 6	MG/KG	T			0.00000844					0.00000437	ND (0.00000795)	0.00000859	0.00000112
PCB 60	MG/KG	T			0.0000296					0.0000173	ND (0.00000232)	0.0000168	0.00000329
PCB 63	MG/KG	T			0.00000517					0.00000212	ND (0.00000261)	0.00000352	0.00000356 J
PCB 64	MG/KG	T			0.0000843					0.0000296	ND (0.00000193)	0.0000597	0.00000639
PCB 66	MG/KG	T			0.000127					0.0000613	ND (0.00000233)	0.000104	0.0000157
PCB 67	MG/KG	T			ND (0.00000259)					0.00000171	ND (0.00000221)	ND (0.00000769)	ND (0.00000286)
PCB 68	MG/KG	T			ND (0.00000314)					ND (0.00000229)	ND (0.00000271)	ND (0.00000944)	ND (0.00000351)
PCB 7	MG/KG	T			ND (0.00000853)					0.00000624	ND (0.00000772)	ND (0.00000179)	ND (0.00000752)
PCB 72	MG/KG	T			ND (0.00000281)					0.00000332 EMPC	ND (0.00000236)	ND (0.0000082)	ND (0.00000305)
PCB 73	MG/KG	T			ND (0.00000231)					ND (0.000000867)	ND (0.00000197)	ND (0.00000337)	ND (0.00000138)
PCB 77	MG/KG	T	0.11	MG/KG	0.0000279					0.0000101	ND (0.00000309)	0.00000512	0.00000538
PCB 78	MG/KG	T			ND (0.00000318)					ND (0.00000252)	ND (0.00000253)	ND (0.00000883)	ND (0.00000328)
PCB 79	MG/KG	T			ND (0.00000274)					0.00000153	ND (0.00000218)	0.00000396	0.00000473 J
PCB 8	MG/KG	T			0.0000264					0.0000153	ND (0.00000774)	0.00000361	0.00000354
PCB 80	MG/KG	T			ND (0.00000316)					ND (0.00000221)	ND (0.00000257)	ND (0.00000894)	ND (0.00000332)
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.00000341)					0.00000497 EMPCJ	ND (0.00000278)	ND (0.00000968)	ND (0.00000359)
PCB 82	MG/KG	T			0.000046					0.000022	ND (0.00000307)	0.0000778	0.0000082
PCB 83	MG/KG	T			0.0000304					0.00000903	ND (0.00000303)	0.0000269	0.00000547
PCB 84	MG/KG	T			0.0000996					0.0000576	ND (0.00000287)	0.000177	0.0000372
PCB 88	MG/KG	T			ND (0.0000056)					ND (0.00000334)	ND (0.00000351)	ND (0.00000777)	ND (0.00000709)
PCB 89	MG/KG	T			ND (0.00000478)					0.00000221	ND (0.00000283)	0.0000045	0.00000105
PCB 9	MG/KG	T			ND (0.00000863)					0.00000522 B	ND (0.00000778)	ND (0.0000018)	ND (0.00000758)
PCB 91	MG/KG	T			0.0000779					0.0000264	ND (0.00000269)	0.0000787	0.0000223
PCB 92	MG/KG	T			0.000106					0.0000311	ND (0.00000283)	0.0000965	0.0000175
PCB 94	MG/KG	T			ND (0.00000547)					0.000000917	ND (0.00000335)	0.0000017 EMPC	0.00000715 J
PCB 95	MG/KG	T			0.000427					0.000192	0.00000799 B	0.000475	0.000126
PCB 96	MG/KG	T			ND (0.00000146)					0.00000167	ND (0.00000155)	0.00000286	0.00000956
PCB 98	MG/KG	T			ND (0.00000425)					ND (0.00000314)	ND (0.00000254)	ND (0.00000563)	ND (0.00000513)
PCB 99	MG/KG	T			0.000227					0.0000589	ND (0.00000239)	0.000255	0.0000341
PCB-100/93	MG/KG	T			ND (0.00000446)					0.00000166	ND (0.00000271)	0.00000216	0.00000751 J
PCB-107/124	MG/KG	T			0.0000301					0.0000064	ND (0.00000206)	0.0000204	0.00000432
PCB-108/119/86/97/125/87	MG/KG	T			0.00032					0.00011	ND (0.00000239)	0.000453	0.0000504
PCB-113/90/101	MG/KG	T			0.000545					0.000151	0.00000586 B	0.000629	0.0000836
PCB-116/85	MG/KG	T			0.000101					0.0000243	ND (0.0000027)	0.000113	0.0000167
PCB-128/166	MG/KG	T			0.000261					0.0000624	ND (0.0000018)	0.0000763	0.0000587
PCB-13/12	MG/KG	T			0.0000136					0.00000281	ND (0.00000894)	ND (0.00000207)	0.00000106
PCB-139/140	MG/KG	T			0.0000249					0.00000517	ND (0.00000185)	0.00000979	0.0000064
PCB-147/149	MG/KG	T			0.000891					0.000307	0.00000769 J	0.000335	0.000275
PCB-151/135	MG/KG	T			0.000403					0.000129	0.00000397 J	0.000129	0.000118
PCB-153/168	MG/KG	T			0.00112					0.000243	0.00000869 B	0.000341	0.00022
PCB-156/157	MG/KG	T			0.000196					0.0000371	ND (0.00000221)	0.0000567	0.0000324
PCB-163/138/129	MG/KG	T			0.00154					0.000398	0.00000117 EMPC	0.000489	0.000335

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB17	S05SB17	S08SB01	S08SB02	S08SB03	S13SB06	S13SB16	S13SB17	S13SB18
				Date	6/18/10	6/18/10	5/5/08	5/5/08	5/5/08	5/27/08	6/7/10	6/7/10	6/7/10
				Top (ft)	0	0	1	0	1	0	0	0	0
				Bottom (ft)	2	2	3	2	3	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB-171/173	MG/KG	T			0.00012					0.0000453	ND (0.00000239)	0.000023	0.000033
PCB-180/193	MG/KG	T			0.000914					0.000314	0.00000901 J	0.000179	0.000255
PCB-198/199	MG/KG	T			0.000422					0.0000911	0.00000326 J	0.0000647	0.000108
PCB-21/33	MG/KG	T			0.0000417					0.000029	0.00000276 J	0.0000705	0.0000675
PCB-26/29	MG/KG	T			0.000014					0.00000845	ND (0.00000244)	0.0000141	0.0000211
PCB-28/20	MG/KG	T			0.0000894					0.0000603	0.00000601 B	0.0000128	0.0000164
PCB-30/18	MG/KG	T			0.0000306					0.000043	0.00000332 J	0.00000795	0.00000627
PCB-44/47/65	MG/KG	T			0.000113					0.000066	0.00000492 J	0.000184	0.0000125
PCB-50/53	MG/KG	T			0.000017					0.0000111	ND (0.00000264)	0.00000855	0.00000373
PCB-59/62/75	MG/KG	T			0.0000132					0.0000562	ND (0.00000199)	0.0000248	0.0000137
PCB-61/70/74/76	MG/KG	T			0.00024					0.000124	0.00000413 J	0.000426	0.0000339
PCB-69/49	MG/KG	T			0.0000829					0.0000353	0.00000178 EMPC	0.00009	0.00000662
PCB-71/40	MG/KG	T			0.0000359					0.0000259	ND (0.00000224)	0.0000274	0.00000504
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000102					0.000152	0.00000384 B	0.0000155 B	0.0000258 B
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00356 EMPC					0.00119	0.00000131 EMPC	0.000668 EMPC	0.000943
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00593 EMPC					0.00167 EMPC	0.0000032 EMPC	0.00201	0.00146 EMPC
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			ND (0.00000157)					0.0000112	ND (0.00000382)	0.000000657 EMPC	0.000002
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000681					0.000109	ND (0.00000808)	0.000128	0.000205
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00137 EMPC					0.000333	0.000000537	0.00022 EMPC	0.000356
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00392					0.0012	0.00000269 B	0.00414 EMPC	0.000775 EMPC
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00111					0.000572 EMPC	0.00000171 B	0.00139	0.000131 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000383					0.000304	0.00000177 B	0.0000664	0.0000703
ALUMINUM	MG/KG	T	990000	MG/KG		13800					15200	15400	10700
ANTIMONY	MG/KG	T	410	MG/KG		3.84 J					ND (1.13)	ND (1.1)	ND (1.1)
ARSENIC	MG/KG	T	1.6	MG/KG		^4.91 J					^4.46	^4.21	^2.04 J
BARIIUM	MG/KG	T	190000	MG/KG		59.7 J					36.4	30.4	91
BERYLLIUM	MG/KG	T	2000	MG/KG		0.752					0.558 J	0.558	0.621
CADMIUM	MG/KG	T	800	MG/KG		0.785					0.965	0.96	0.804
CALCIUM	MG/KG	T				1990					356	552	1770
CHROMIUM	MG/KG	T				36.3 J					31.5	50.3	31.5
COBALT	MG/KG	T	300	MG/KG		6.59					3.95	3.88	5.57
COPPER	MG/KG	T	41000	MG/KG		267					131	20	31.1
IRON	MG/KG	T	720000	MG/KG		24700					23300	23300	16000
LEAD	MG/KG	T	800	MG/KG		119					7.76 J	47.2 J	20 J
MAGNESIUM	MG/KG	T				1790					2250	1760	3480
MANGANESE	MG/KG	T	23000	MG/KG		135 J					73	74.1	131
MERCURY	MG/KG	T	43	MG/KG		0.291 J					ND (0.013)	0.0296 J	ND (0.0124)
NICKEL	MG/KG	T	20000	MG/KG		18.4					10.2	9.12	13.3
POTASSIUM	MG/KG	T				1320 J					1370	1040	2670
SELENIUM	MG/KG	T	5100	MG/KG		ND (1.1) UJ					ND (1.1)	ND (1.08)	ND (1.07)
SILVER	MG/KG	T	5100	MG/KG		0.238 J					0.355 J	0.24 J	ND (0.197)
SODIUM	MG/KG	T				91.6 J					110 J	45 J	81.2 J
THALLIUM	MG/KG	T	10	MG/KG		1.91 J					ND (1.63)	ND (1.6)	ND (1.59)
TITANIUM	MG/KG	T											
VANADIUM	MG/KG	T				62.1					41.1	42.3	34.5
ZINC	MG/KG	T	310000	MG/KG		58.5					30.3	32.1	154
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T					ND (460)	3010	3540		ND (228)	ND (156)	ND (162)
TPH-DRO	MG/KG	T											
HPCDFS	MG/KG	T								0.000013			
ORO >C28 - C35	MG/KG	T											

EPA\_SL\_IndSoil\_05/12  
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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB02	S16SB03	S16SB04	S16SB04	S16SB04	S17SB06	S17SBTMW03
				Date	4/25/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	5/19/10	5/13/08
				Top (ft)	0	1	0	0	0	0	1	1
				Bottom (ft)	2	3	2	2	2	2	3	3
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG	54	43	19		45	60		
CARBON DISULFIDE	UG/KG	T	37000000	UG/KG	ND (1)	ND (1)	1 J		ND (1)	ND (1)		
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG	ND (2)	ND (2)	ND (2)		ND (2)	ND (2)		
METHYL CHLORIDE	UG/KG	T	500000	UG/KG	ND (2)	ND (2)	ND (2)		ND (2)	ND (2)		
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	6 J	4 J	ND (4)		ND (4)	8 J		
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)		
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)		
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
ACENAPHTHYLENE	UG/KG	T			ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (81)	ND (78)	ND (79)		ND (77)	ND (77)		
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (81)	ND (78)	ND (79)		ND (77)	ND (77)		
CARBAZOLE	UG/KG	T			ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
CHRYSENE	UG/KG	T	210000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (81)	ND (78)	ND (79)		ND (77)	ND (77)		
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (41)	ND (39)	ND (39)		51 J	ND (38)		
FLUORENE	UG/KG	T	22000000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
PHENANTHRENE	UG/KG	T			ND (41)	ND (39)	ND (39)		ND (38)	ND (38)		
PYRENE	UG/KG	T	17000000	UG/KG	ND (41)	ND (39)	ND (39)		45 J	ND (38)		
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000654	0.000108	0.0000924	0.000122				
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.00000763	0.0000146	0.00000823	0.0000156				
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000147 J	0.00000219 J	0.00000138 J	0.00000366				
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000574 J	0.000000839 J	0.000000874 J	0.000000658 EMPC J				
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000153 J	0.00000175 J	0.0000012 J	0.00000253				
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000113 J	0.000000928 EMPC J	0.00000135 J	0.00000105 EMPC J				
1,2,3,6,7,8-HXCDF	MG/KG	T			0.000000757 J	0.00000108 J	0.000000648 J	0.00000119 J				
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000167 EMPC J	0.00000151 J	0.00000228 J	0.00000155 J				
1,2,3,7,8,9-HXCDF	MG/KG	T			0.000000391 EMPC J	ND (0.00000087)	0.000000298 EMPC J	0.00000115 J				
1,2,3,7,8-PECDD	MG/KG	T			0.000000389 J	ND (0.00000025) UJ	0.00000033 EMPC J	0.000000262 EMPC J				
1,2,3,7,8-PECDF	MG/KG	T			0.000000558 J	0.000000483 J	0.000000348 J	0.00000064 J				
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000000584 EMPC J	0.000000778 EMPC J	0.000000587 J	0.000000802 EMPC J				
2,3,4,7,8-PECDF	MG/KG	T			0.00000143 J	0.000000461 J	0.000000303 J	0.00000063 J				
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.0000000954)	0.000000787 EMPC J	0.000000939 EMPC J	ND (0.000000171)				
2,3,7,8-TCDF	MG/KG	T			0.000000599	0.00000012 EMPC J	0.000000143 J	0.00000027 J				
HPCDDS	MG/KG	T			0.000135	0.000343	0.000218	0.000263				
HXCDDS	MG/KG	T			0.0000477 EMPC	0.0000705 EMPC	0.0000566 EMPC	0.0000221 EMPC				
HXCDFS	MG/KG	T			0.00000744 EMPC	0.00000834 EMPC	0.00000596 EMPC	0.0000121 EMPC				
OCDD	MG/KG	T			0.0048	0.0104 J	0.00702	0.0129 J				
OCDF	MG/KG	T			0.0000706	0.0000645	0.0000466	0.000114				
TCDDS	MG/KG	T			0.00000248 EMPC	0.000000839 EMPC	0.0000019 EMPC	0.00000131 EMPC				
TCDFS	MG/KG	T			0.0000184 EMPC	0.00000347 EMPC	0.00000387 EMPC	0.00000637 EMPC				
TOTAL HPCDD	MG/KG	T										

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB02	S16SB03	S16SB04	S16SB04	S16SB04	S17SB06	S17SBTMW03
				Date	4/25/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	5/19/10	5/13/08
				Top (ft)	0	1	0	0	0	0	1	1
				Bottom (ft)	2	3	2	2	2	2	3	3
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS
TOTAL HPCDF	MG/KG	T										
TOTAL HXCDD	MG/KG	T										
TOTAL HXCDF	MG/KG	T										
TOTAL PECDD	MG/KG	T										
TOTAL PECDDS	MG/KG	T			0.0000122 EMPC	0.00000736 EMPC	0.0000105 EMPC	0.00000449 EMPC				
TOTAL PECDF	MG/KG	T										
TOTAL PECDFS	MG/KG	T			0.0000125 EMPC	0.00000452 EMPC	0.00000398 EMPC	0.00000777 EMPC				
PCB 1	MG/KG	T			0.00000108 B	0.000000632 B	0.000000715 B	0.00000344				
PCB 10	MG/KG	T			ND (0.000000303) UJ	ND (0.00000032) UJ	ND (0.000000256) UJ	ND (0.000000377) UJ				
PCB 102	MG/KG	T			0.00000954	ND (0.000000222)	ND (0.000000227)	0.00000654				
PCB 103	MG/KG	T			0.00000132 EMPC	ND (0.00000023)	ND (0.000000235)	0.00000118				
PCB 104	MG/KG	T			ND (0.000000104)	ND (0.000000113)	ND (0.000000118)	ND (0.00000013)				
PCB 105	MG/KG	T	0.38	MG/KG	0.000146	0.000000645 B	0.000000772 B	0.0000325				
PCB 106	MG/KG	T			ND (0.000000251)	ND (0.000000197)	ND (0.000000201)	ND (0.000000289)				
PCB 109	MG/KG	T			0.0000186	ND (0.000000188)	ND (0.000000192)	0.0000051				
PCB 11	MG/KG	T			0.0000118 B	0.00000437 B	0.00000714 B	0.0000106 B				
PCB 110	MG/KG	T			0.000247	0.00000421 B	0.00000355 B	0.000282				
PCB 111	MG/KG	T			ND (0.000000232)	ND (0.000000182)	ND (0.000000186)	ND (0.000000268)				
PCB 112	MG/KG	T			0.000000745	ND (0.000000192)	ND (0.000000197)	ND (0.000000283)				
PCB 114	MG/KG	T	0.38	MG/KG	0.00000887	ND (0.000000205)	ND (0.000000196)	0.00000133				
PCB 115	MG/KG	T			0.00000634	ND (0.000000179)	ND (0.000000183)	0.00000133				
PCB 117	MG/KG	T			0.00000471	ND (0.000000191)	ND (0.000000195)	0.00000257				
PCB 118	MG/KG	T	0.38	MG/KG	0.000201	0.00000135 B	0.0000016 B	0.0000768				
PCB 120	MG/KG	T			0.000000515	ND (0.000000183)	ND (0.000000186)	ND (0.000000268)				
PCB 121	MG/KG	T			ND (0.000000232)	ND (0.000000182)	ND (0.000000186)	ND (0.000000268)				
PCB 122	MG/KG	T			0.00000629	ND (0.000000212)	ND (0.000000203)	0.00000154				
PCB 123	MG/KG	T	0.38	MG/KG	0.00000881	ND (0.000000203)	ND (0.000000207)	0.00000274				
PCB 126	MG/KG	T	0.00011	MG/KG	0.00000242	ND (0.000000187)	ND (0.000000169)	0.000000741 J				
PCB 127	MG/KG	T			ND (0.00000026)	ND (0.000000208)	ND (0.000000207)	ND (0.000000311)				
PCB 130	MG/KG	T			0.00000757	0.000000405 EMPC	0.000000324 EMPC	0.0000267				
PCB 131	MG/KG	T			0.00000229	ND (0.000000255)	ND (0.000000239)	0.00000635				
PCB 132	MG/KG	T			0.0000372	0.00000178	0.00000152	0.000144				
PCB 133	MG/KG	T			0.00000158	ND (0.000000241)	ND (0.000000225)	0.00000436				
PCB 134	MG/KG	T			0.00000543	ND (0.000000256)	ND (0.000000239)	0.0000215				
PCB 136	MG/KG	T			0.0000149	0.000000816	0.000000568	0.000043				
PCB 137	MG/KG	T			0.00000608	ND (0.000000227)	ND (0.000000213)	0.0000196				
PCB 14	MG/KG	T			ND (0.000000259) UJ	ND (0.000000256) UJ	ND (0.000000331) UJ	ND (0.000000322) UJ				
PCB 141	MG/KG	T			0.0000276	0.000000523 EMPC	0.000000487	0.000054				
PCB 143	MG/KG	T			0.0000007	ND (0.000000249)	ND (0.000000233)	0.00000117				
PCB 144	MG/KG	T			0.0000073	ND (0.000000219)	ND (0.000000205)	0.0000159				
PCB 145	MG/KG	T			ND (0.000000158)	ND (0.000000128)	ND (0.000000143)	ND (0.000000166)				
PCB 146	MG/KG	T			0.000017	0.000000719	0.000000555 EMPC	0.0000415				
PCB 148	MG/KG	T			ND (0.000000218)	ND (0.000000226)	ND (0.000000211)	ND (0.000000228)				
PCB 15	MG/KG	T			0.00000684 B	0.00000341 B	0.00000334 B	0.0000141 J				
PCB 150	MG/KG	T			0.000000263	ND (0.000000125)	ND (0.00000014)	0.000000366				
PCB 152	MG/KG	T			0.000000239 EMPC	ND (0.000000124)	ND (0.000000138)	0.00000037				
PCB 154	MG/KG	T			0.0000011	ND (0.000000196)	ND (0.000000183)	0.0000022				
PCB 158	MG/KG	T			0.0000132	0.000000442	0.000000456	0.0000333				
PCB 159	MG/KG	T			ND (0.00000028)	ND (0.000000212)	ND (0.000000211)	ND (0.000000395)				
PCB 16	MG/KG	T			0.0000048 B	0.00000282 B	0.00000234 B	0.000004 B				
PCB 162	MG/KG	T			0.000000844	ND (0.000000211)	ND (0.00000021)	0.00000146				
PCB 164	MG/KG	T			0.000000861	0.000000453	0.000000388	0.0000298				
PCB 165	MG/KG	T			ND (0.000000185)	ND (0.000000191)	ND (0.000000179)	ND (0.000000194)				
PCB 167	MG/KG	T	0.38	MG/KG	0.00000624	0.000000321 J	ND (0.000000223)	0.000017				

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB02	S16SB03	S16SB04	S16SB04	S16SB04	S17SB06	S17SBTMW03
				Date	4/25/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	5/19/10	5/13/08
				Top (ft)	0	1	0	0	0	0	1	1
				Bottom (ft)	2	3	2	2	2	2	3	3
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG	0.00000453 J	0.00000424 J	ND (0.00000251)	0.00000104				
PCB 17	MG/KG	T			0.00000658 B	0.00000285 B	0.00000268 B	0.00000407 B				
PCB 170	MG/KG	T			0.0000413	0.00000223	0.00000163	0.0000739				
PCB 172	MG/KG	T			0.0000122	0.00000067	0.00000464 EMPC	0.0000147				
PCB 174	MG/KG	T			0.0000852	0.00000232	0.00000229	0.0000828				
PCB 175	MG/KG	T			0.0000036	ND (0.000000262)	ND (0.000000332)	0.00000396				
PCB 176	MG/KG	T			0.00000797	0.000000324 EMPC	0.000000213 EMPC	0.00000856				
PCB 177	MG/KG	T			0.0000422	0.00000132	0.00000101 EMPC	0.000046				
PCB 178	MG/KG	T			0.0000146	0.000000731	0.000000538 EMPC	0.0000131				
PCB 179	MG/KG	T			0.0000312	0.00000133	0.000000964	0.0000274				
PCB 181	MG/KG	T			ND (0.000000493)	ND (0.000000259)	ND (0.000000329)	0.00000128				
PCB 182	MG/KG	T			0.000000689	ND (0.000000246)	ND (0.000000312)	0.000000546				
PCB 183	MG/KG	T			0.0000525	0.00000169	0.00000132	0.0000494				
PCB 184	MG/KG	T			ND (0.000000164)	ND (0.00000017)	ND (0.000000169)	ND (0.000000197)				
PCB 185	MG/KG	T			0.0000102	ND (0.000000258)	ND (0.000000327)	0.00000624				
PCB 186	MG/KG	T			ND (0.000000157)	ND (0.000000162)	ND (0.000000162)	ND (0.000000189)				
PCB 187	MG/KG	T			0.000132	0.000004	0.00000376	0.0000969				
PCB 188	MG/KG	T			ND (0.000000142)	ND (0.000000147)	ND (0.000000146)	ND (0.000000171)				
PCB 189	MG/KG	T	0.38	MG/KG	0.00000179	0.00000048 J	0.000000414 J	0.00000373				
PCB 19	MG/KG	T			0.00000207 B	0.000000658 B	0.000000628 B	0.00000249				
PCB 190	MG/KG	T			0.0000106	0.000000386	0.00000026 EMPC	0.0000124				
PCB 191	MG/KG	T			0.00000258	ND (0.000000198)	ND (0.000000252)	0.00000375				
PCB 194	MG/KG	T			0.0000655	0.00000385	0.00000325	0.0000387				
PCB 195	MG/KG	T			0.0000194	0.000000829	0.000000752	0.0000124				
PCB 196	MG/KG	T			0.0000315	0.00000245	0.00000179	0.0000195				
PCB 197	MG/KG	T			0.0000235	0.000000717	0.000000511	0.00000188 EMPC				
PCB 2	MG/KG	T			0.00000108	0.000000554	0.00000103	0.00000169				
PCB 200	MG/KG	T			0.00000978	0.000000481	0.000000342 EMPC	0.0000058				
PCB 201	MG/KG	T			0.00000935	0.00000119	0.000000875	0.00000595				
PCB 202	MG/KG	T			0.0000169	0.00000226	0.00000176	0.0000109				
PCB 203	MG/KG	T			0.000053	0.00000325	0.00000317	0.0000321				
PCB 204	MG/KG	T			ND (0.000000219)	ND (0.000000208)	ND (0.000000188)	ND (0.000000265)				
PCB 205	MG/KG	T			0.00000272	0.000000706	0.00000031 EMPC	0.00000226				
PCB 206	MG/KG	T			0.0000865	0.0000255	0.0000171	0.0000668				
PCB 207	MG/KG	T			0.0000135	0.00001	0.00000598	0.0000159				
PCB 208	MG/KG	T			0.0000266	0.0000123	0.00000796	0.0000254				
PCB 209	MG/KG	T			0.000265	0.000203	0.000113	0.000466				
PCB 22	MG/KG	T			0.0000172	0.00000224 B	0.00000225 B	0.00000462 B				
PCB 23	MG/KG	T			ND (0.000000304)	ND (0.000000373)	ND (0.000000264)	ND (0.000000298)				
PCB 24	MG/KG	T			ND (0.000000182)	ND (0.000000211)	ND (0.000000189)	0.000000203				
PCB 25	MG/KG	T			0.00000258	0.00000055 B	0.000000583 B	0.0000013 B				
PCB 27	MG/KG	T			0.00000206	0.000000421 B	0.000000323 B	0.000000908 B				
PCB 3	MG/KG	T			0.0000015 B	0.000000828 B	0.00000126 B	0.00000348				
PCB 31	MG/KG	T			0.0000426	0.00000506 B	0.00000541 B	0.0000108 B				
PCB 32	MG/KG	T			0.0000101	0.0000017 B	0.00000154 B	0.00000332 B				
PCB 34	MG/KG	T			ND (0.000000299)	ND (0.000000367)	ND (0.00000026)	ND (0.000000293)				
PCB 35	MG/KG	T			0.0000015	ND (0.000000389)	ND (0.000000276)	0.000000631				
PCB 36	MG/KG	T			ND (0.000000292)	ND (0.000000358)	ND (0.000000254)	ND (0.000000286)				
PCB 37	MG/KG	T			0.0000367	0.000001 B	0.00000164 B	0.00000902				
PCB 38	MG/KG	T			ND (0.000000311)	ND (0.000000381)	ND (0.000000271)	ND (0.000000305)				
PCB 39	MG/KG	T			ND (0.000000285)	ND (0.00000035)	ND (0.000000248)	ND (0.000000279)				
PCB 4	MG/KG	T			0.00000476 B	0.00000322 B	0.00000271 B	0.00000487 B				
PCB 41	MG/KG	T			0.0000153	0.000000472 B	0.000000452 B	0.000000958 B				
PCB 42	MG/KG	T			0.0000568	0.000000648 B	0.00000114 B	0.0000036				

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 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB02	S16SB03	S16SB04	S16SB04	S16SB04	S17SB06	S17SBTMW03
				Date	4/25/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	5/19/10	5/13/08
				Top (ft)	0	1	0	0	0	0	1	1
				Bottom (ft)	2	3	2	2	2	2	3	3
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 43	MG/KG	T			0.00000477	ND (0.00000231)	ND (0.00000252)	ND (0.00000299)				
PCB 45	MG/KG	T			0.0000228	0.00000813 B	0.00000737 B	0.00000932				
PCB 46	MG/KG	T			0.00000873	0.00000309	0.00000328	0.000006				
PCB 48	MG/KG	T			0.0000346	0.00000498 B	0.00000911 B	0.00000168 B				
PCB 5	MG/KG	T			0.00000556 B	0.00000556 B	0.00000448 B	0.00000614 B				
PCB 51	MG/KG	T			0.00000565	0.00000247 B	0.00000349 B	0.00000412				
PCB 52	MG/KG	T			0.000213	0.00000285 B	0.00000442 B	0.0000366				
PCB 54	MG/KG	T			0.00000259	ND (0.00000122)	ND (0.00000142)	0.00000235				
PCB 55	MG/KG	T			0.00000294	ND (0.00000165)	ND (0.00000193)	ND (0.00000328)				
PCB 56	MG/KG	T			0.000168	0.00000696 B	0.00000572 B	0.00000481				
PCB 57	MG/KG	T			0.00000626	ND (0.00000159)	ND (0.00000187)	ND (0.00000317)				
PCB 58	MG/KG	T			0.00000668	ND (0.00000162)	ND (0.0000019)	ND (0.00000323)				
PCB 6	MG/KG	T			0.00000195 B	0.0000017 B	0.0000015 B	0.00000421 B				
PCB 60	MG/KG	T			0.0000726	ND (0.00000161)	0.00000377	0.0000023				
PCB 63	MG/KG	T			0.00000874	ND (0.0000015)	ND (0.00000175)	0.0000039				
PCB 64	MG/KG	T			0.0001	0.00000113 B	0.00000186 B	0.00000734				
PCB 66	MG/KG	T			0.000311	0.00000125 B	0.00000153 B	0.0000109				
PCB 67	MG/KG	T			0.00000389	ND (0.00000149)	ND (0.00000174)	ND (0.00000296)				
PCB 68	MG/KG	T			0.00000662	ND (0.00000152)	ND (0.00000178)	ND (0.00000302)				
PCB 7	MG/KG	T			0.00000458 J	0.00000373 UJ	ND (0.00000372) UJ	0.00000584 J				
PCB 72	MG/KG	T			0.00000131	ND (0.00000154)	ND (0.0000018)	ND (0.00000306)				
PCB 73	MG/KG	T			0.00000589	ND (0.00000149)	ND (0.00000163)	ND (0.00000193)				
PCB 77	MG/KG	T	0.11	MG/KG	0.0000476	0.00000427 J	0.00000483 J	0.00000346				
PCB 78	MG/KG	T			ND (0.00000262)	ND (0.0000017)	ND (0.00000199)	ND (0.00000337)				
PCB 79	MG/KG	T			0.0000029	ND (0.00000144)	ND (0.00000169)	0.00000149				
PCB 8	MG/KG	T			0.00000853 B	0.00000799 B	0.00000725 B	0.0000119 B				
PCB 80	MG/KG	T			ND (0.00000225)	ND (0.00000146)	ND (0.00000171)	ND (0.0000029)				
PCB 81	MG/KG	T	0.038	MG/KG	0.0000022	ND (0.00000172)	ND (0.00000202)	ND (0.00000343)				
PCB 82	MG/KG	T			0.0000542	ND (0.00000297)	ND (0.00000304)	0.0000172				
PCB 83	MG/KG	T			0.0000161	ND (0.00000294)	ND (0.0000003)	0.000011				
PCB 84	MG/KG	T			0.0000671	0.00000142 B	0.000000724 B	0.00000767				
PCB 88	MG/KG	T			0.00000218	ND (0.00000286)	ND (0.00000292)	ND (0.0000042)				
PCB 89	MG/KG	T			0.00000721	ND (0.00000269)	ND (0.00000275)	0.00000227				
PCB 9	MG/KG	T			0.00000212 B	0.00000195 B	0.00000206 B	0.00000223 B				
PCB 91	MG/KG	T			0.0000349	0.000000739	0.000000496	0.0000363				
PCB 92	MG/KG	T			0.0000327	ND (0.00000255)	ND (0.00000026)	0.0000311				
PCB 94	MG/KG	T			0.00000213	ND (0.00000274)	ND (0.00000028)	0.00000136				
PCB 95	MG/KG	T			0.000131	0.00000399 B	0.00000258 B	0.000245				
PCB 96	MG/KG	T			0.00000319	ND (0.00000134)	ND (0.00000014)	0.00000225				
PCB 98	MG/KG	T			0.00000146	ND (0.00000028)	ND (0.000000286)	ND (0.000000412)				
PCB 99	MG/KG	T			0.00011	0.000000888 B	0.000000866 B	0.000048				
PCB-100/93	MG/KG	T			0.00000236	ND (0.00000243)	ND (0.00000249)	0.00000181				
PCB-107/124	MG/KG	T			0.0000113	ND (0.00000196)	ND (0.00000201)	0.00000432				
PCB-108/119/86/97/125/87	MG/KG	T			0.000179	0.0000015 B	0.0000017 B	0.0000745				
PCB-113/90/101	MG/KG	T			0.000174	0.00000201 B	0.00000194 B	0.000116				
PCB-116/85	MG/KG	T			0.000063	ND (0.00000221)	ND (0.00000226)	0.0000191				
PCB-128/166	MG/KG	T			0.0000195	0.000000844	0.000000911	0.0000758				
PCB-13/12	MG/KG	T			0.00000159 J	0.000000693 J	0.00000077 J	0.00000183 J				
PCB-139/140	MG/KG	T			0.00000284	ND (0.00000223)	ND (0.00000209)	0.00000721				
PCB-147/149	MG/KG	T			0.000099	0.00000473	0.00000342	0.000266				
PCB-151/135	MG/KG	T			0.0000468	0.00000205	0.00000143 B	0.0000996				
PCB-153/168	MG/KG	T			0.000108	0.00000202 B	0.00000199 B	0.00019				
PCB-156/157	MG/KG	T			0.0000173	0.000000742 J	0.000000671 J	0.0000286				
PCB-163/138/129	MG/KG	T			0.00012	0.00000359 B	0.00000359 B	0.000339				

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				Top (ft)	0	1	0	0	0	0	1	1
				Bottom (ft)	2	3	2	2	2	2	3	3
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS
PCB-171/173	MG/KG	T			0.000018	0.00000924	0.000007 EMPC	0.0000284				
PCB-180/193	MG/KG	T			0.000141	0.0000048	0.00000403	0.000143				
PCB-198/199	MG/KG	T			0.00009	0.00000668	0.00000635	0.0000532				
PCB-21/33	MG/KG	T			0.0000104 B	0.00000386 B	0.00000383 B	0.00000728 B				
PCB-26/29	MG/KG	T			0.00000586	0.000000996 B	0.00000111 B	0.00000193 B				
PCB-28/20	MG/KG	T			0.0000543	0.00000683 B	0.00000701 B	0.0000149 B				
PCB-30/18	MG/KG	T			0.0000153 B	0.00000565 B	0.00000498 B	0.00000765 B				
PCB-44/47/65	MG/KG	T			0.000213	0.00000289 B	0.00000429 B	0.0000162				
PCB-50/53	MG/KG	T			0.000026	0.000000681 B	0.000000604 B	0.000014				
PCB-59/62/75	MG/KG	T			0.0000156	0.000000271	0.000000337 EMPC	0.00000217				
PCB-61/70/74/76	MG/KG	T			0.00039	0.00000265 B	0.00000327 B	0.0000282				
PCB-69/49	MG/KG	T			0.000116	0.00000148 B	0.00000023 B	0.0000085				
PCB-71/40	MG/KG	T			0.000107	0.000000977 B	0.00000187 B	0.00000695				
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000386 B	0.0000243 B	0.0000252 B	0.0000509 B				
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000607	0.0000212 EMPC	0.0000176 EMPC	0.000616				
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000572 EMPC	0.0000199 EMPC	0.0000163 EMPC	0.00147				
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000366	0.00000201 B	0.0000003 B	0.00000861				
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000127	0.00000479	0.00000311	0.000108				
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0003	0.0000224	0.0000191 EMPC	0.000183 EMPC				
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00156 EMPC	0.0000168 B	0.0000142 B	0.0011				
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00195	0.0000183 B	0.0000258 B	0.000169				
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000212	0.0000346 B	0.0000343 B	0.0000732 B				
ALUMINUM	MG/KG	T	990000	MG/KG	16400	14800	15500	17700	16400			
ANTIMONY	MG/KG	T	410	MG/KG	1.2 J	ND (1.03) UJ	ND (1.04) UJ	ND (1) UJ	ND (1.04) UJ			
ARSENIC	MG/KG	T	1.6	MG/KG	^4.77 J	^3.05 J	^8.03 J	1.54 J	1 J			
BARIUM	MG/KG	T	190000	MG/KG	52.8	41.4	47.7	52.3	55.1			
BERYLLIUM	MG/KG	T	2000	MG/KG	0.428 J	0.374 J	0.452 J	0.31 J	0.213 J			
CADMIUM	MG/KG	T	800	MG/KG	0.509 J	0.285 J	0.396 J	0.555	0.633			
CALCIUM	MG/KG	T			2280	1330	1170	2130	2080			
CHROMIUM	MG/KG	T			28 J	21.6 J	24.3 J	26.6 J	30.9 J			
COBALT	MG/KG	T	300	MG/KG	6.99	7.83	7.01	10.1	11.5			
COPPER	MG/KG	T	41000	MG/KG	17.7	8.21	12.1	17.6	19.5			
IRON	MG/KG	T	720000	MG/KG	20700	15700	19000	18200	19600			
LEAD	MG/KG	T	800	MG/KG	23.3	10.9	13.4	30.6	39.5			
MAGNESIUM	MG/KG	T			3000	1790	2120	1660	1700			
MANGANESE	MG/KG	T	23000	MG/KG	182	149	235	247	290			
MERCURY	MG/KG	T	43	MG/KG	0.0329 J	0.0466 J	0.0271 J	0.0712 J	0.0719 J			
NICKEL	MG/KG	T	20000	MG/KG	14.6	9.95	11.1	16.1	19.9			
POTASSIUM	MG/KG	T			1970 J	1200 J	1570 J	1180 J	1180 J			
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.17) UJ	ND (1.12) UJ	ND (1.12) UJ	ND (1.09) UJ	ND (1.13) UJ			
SILVER	MG/KG	T	5100	MG/KG	0.209 J	0.237 J	0.285 J	0.27 J	0.334 J			
SODIUM	MG/KG	T			267	294	409	151	144			
THALLIUM	MG/KG	T	10	MG/KG	ND (0.181) UJ	ND (0.173) UJ	ND (0.17) UJ	ND (0.17) UJ	0.253 J			
TITANIUM	MG/KG	T			1340	817	895	1420	2310			
VANADIUM	MG/KG	T			38.7	30.6	34.9	35.8	38.8			
ZINC	MG/KG	T	310000	MG/KG	45.6	26.4	32.7	47.3	54.3			
C19 to C36 Aliphatics	MG/KG	T										200
TOTAL ORGANIC CARBON	MG/KG	T			4680	2670	ND (388)	1130 J	1260			ND (334)
TPH-DRO	MG/KG	T										630
HPCDFS	MG/KG	T			0.0000127	0.0000225	0.000013	0.000026				
ORO >C28 - C35	MG/KG	T									ND (4.8)	

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB02	S18SB02	S20SB02	S20SB03	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11
				Date	4/24/08	4/24/08	4/24/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10
				Top (ft)	0	0	1	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	3	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG	23	100	21										
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	ND (1)	ND (1)										
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG	ND (2)	ND (2)	ND (2)										
METHYL CHLORIDE	UG/KG	T	500000	UG/KG	ND (2)	ND (2)	ND (2)										
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	15	ND (4)										
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (1)										
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (1)										
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (37)	ND (39)	ND (36)										
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (37)	ND (39)	ND (36)										
ACENAPHTHYLENE	UG/KG	T			ND (37)	ND (39)	ND (36)										
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (37)	67 J	ND (36)										
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (37)	250	ND (36)										
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (37)	330	ND (36)										
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (37)	220	ND (36)										
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (37)	130 J	ND (36)										
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (37)	^230	ND (36)										
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (74)	ND (77)	110 J										
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (74)	ND (77)	ND (72)										
CARBAZOLE	UG/KG	T			ND (37)	43 J	ND (36)										
CHRYSENE	UG/KG	T	210000	UG/KG	ND (37)	300	ND (36)										
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (37)	45 J	ND (36)										
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (37)	ND (39)	ND (36)										
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (74)	ND (77)	ND (72)										
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (37)	760	46 J										
FLUORENE	UG/KG	T	22000000	UG/KG	ND (37)	ND (39)	ND (36)										
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	49 J	ND (39)	ND (36)										
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (37)	170 J	ND (36)										
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (37)	ND (39)	ND (36)										
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (37)	ND (39)	ND (36)										
PHENANTHRENE	UG/KG	T			ND (37)	670	ND (36)										
PYRENE	UG/KG	T	17000000	UG/KG	ND (37)	690	44 J										
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000995	0.000197											
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000349	0.0000203											
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0000216	0.00000377											
1,2,3,4,7,8-HXCDD	MG/KG	T			0.00000761 J	0.00000129 J											
1,2,3,4,7,8-HXCDF	MG/KG	T			0.0000154	0.0000032											
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000115 J	0.00000182 J											
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000212 J	0.00000129 J											
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000297	0.00000201 J											
1,2,3,7,8,9-HXCDF	MG/KG	T			0.00000115 J	0.000000708 J											
1,2,3,7,8-PECDD	MG/KG	T			0.000000263 EMPC J	0.000000507 J											
1,2,3,7,8-PECDF	MG/KG	T			0.00000206 J	0.000000796 J											
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000000956 J	0.00000101 J											
2,3,4,7,8-PECDF	MG/KG	T			0.000000517 J	0.000000497 J											
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000109)	ND (0.000000137)											
2,3,7,8-TCDF	MG/KG	T			0.000000518	0.000000356 J											
HPCDDS	MG/KG	T			0.000221	0.000424											
HXCDDS	MG/KG	T			0.0000557	0.0000457											
HXCDFS	MG/KG	T			0.0000321 EMPC	0.0000134 EMPC											
OCDD	MG/KG	T			0.00951	0.0212 J											
OCDF	MG/KG	T			0.00222	0.000195											
TCDDS	MG/KG	T			0.00000153 EMPC	0.0000012 EMPC											
TCDFS	MG/KG	T			0.00000694 EMPC	0.00000507 EMPC											
TOTAL HPCDD	MG/KG	T															

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB02	S18SB02	S20SB02	S20SB03	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11
				Date	4/24/08	4/24/08	4/24/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10
				Top (ft)	0	0	1	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	3	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T															
TOTAL HXCDD	MG/KG	T															
TOTAL HXCDF	MG/KG	T															
TOTAL PECDD	MG/KG	T															
TOTAL PECDDS	MG/KG	T			0.00000877	EMPC	0.00000675	EMPC									
TOTAL PECDF	MG/KG	T															
TOTAL PECDFS	MG/KG	T			0.0000117	EMPC	0.00000598	EMPC									
PCB 1	MG/KG	T			0.000000712	B	0.000000892	B									
PCB 10	MG/KG	T			ND (0.000000272)	UJ	ND (0.00000035)	UJ									
PCB 102	MG/KG	T			ND (0.000000233)		0.00000327										
PCB 103	MG/KG	T			ND (0.000000239)		0.000000485	EMPC									
PCB 104	MG/KG	T			ND (0.000000104)		ND (0.000000135)										
PCB 105	MG/KG	T	0.38	MG/KG	0.00000203		0.00000275										
PCB 106	MG/KG	T			ND (0.000000202)		ND (0.000000355)										
PCB 109	MG/KG	T			0.000000336		0.00000417										
PCB 11	MG/KG	T			0.0000073	B	0.00000796	B									
PCB 110	MG/KG	T			0.00000878		0.000126										
PCB 111	MG/KG	T			ND (0.000000195)		ND (0.000000344)										
PCB 112	MG/KG	T			ND (0.000000204)		ND (0.000000359)										
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.000000206)		0.00000148										
PCB 115	MG/KG	T			ND (0.000000196)		0.00000158										
PCB 117	MG/KG	T			ND (0.000000199)		0.00000205										
PCB 118	MG/KG	T	0.38	MG/KG	0.00000409		0.0000546										
PCB 120	MG/KG	T			ND (0.000000195)		ND (0.000000344)										
PCB 121	MG/KG	T			ND (0.000000191)		ND (0.000000337)										
PCB 122	MG/KG	T			ND (0.000000214)		0.000000902	EMPC									
PCB 123	MG/KG	T	0.38	MG/KG	ND (0.000000214)		0.00000128	EMPC									
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.000000192)		0.000000914	J									
PCB 127	MG/KG	T			ND (0.000000199)		ND (0.00000036)										
PCB 130	MG/KG	T			0.000000552	EMPC	0.00000787										
PCB 131	MG/KG	T			ND (0.000000207)		0.00000175										
PCB 132	MG/KG	T			0.00000282		0.0000498										
PCB 133	MG/KG	T			ND (0.000000195)		0.00000161										
PCB 134	MG/KG	T			0.000000409		0.00000716										
PCB 136	MG/KG	T			0.00000091		0.0000179										
PCB 137	MG/KG	T			0.000000313	EMPC	0.00000453										
PCB 14	MG/KG	T			ND (0.000000258)	UJ	ND (0.000000249)	UJ									
PCB 141	MG/KG	T			0.00000134		0.0000371										
PCB 143	MG/KG	T			ND (0.00000019)		ND (0.000000254)										
PCB 144	MG/KG	T			0.000000367		0.00000851										
PCB 145	MG/KG	T			ND (0.000000153)		ND (0.000000221)										
PCB 146	MG/KG	T			0.000000895	EMPC	0.0000194										
PCB 148	MG/KG	T			ND (0.000000185)		ND (0.000000247)										
PCB 15	MG/KG	T			0.00000333	B	0.00000444	B									
PCB 150	MG/KG	T			ND (0.000000146)		ND (0.000000211)										
PCB 152	MG/KG	T			ND (0.000000143)		ND (0.000000207)										
PCB 154	MG/KG	T			ND (0.000000158)		0.000000624										
PCB 158	MG/KG	T			0.000000886		0.0000172										
PCB 159	MG/KG	T			ND (0.000000181)		ND (0.000000259)										
PCB 16	MG/KG	T			0.00000217	B	0.00000459	B									
PCB 162	MG/KG	T			ND (0.000000176)		0.000000407	EMPC									
PCB 164	MG/KG	T			0.000000563		0.0000116										
PCB 165	MG/KG	T			ND (0.000000152)		ND (0.000000203)										
PCB 167	MG/KG	T	0.38	MG/KG	0.000000437	J	0.00000612										

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB02	S18SB02	S20SB02	S20SB03	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11
				Date	4/24/08	4/24/08	4/24/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10
				Top (ft)	0	0	1	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	3	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.000000211)	0.000000632 J											
PCB 17	MG/KG	T			0.00000239 B	0.00000433 B											
PCB 170	MG/KG	T			0.00000202	0.00000606											
PCB 172	MG/KG	T			0.000000424 EMPC	0.0000101											
PCB 174	MG/KG	T			0.00000183	0.0000591											
PCB 175	MG/KG	T			ND (0.000000273)	0.0000025											
PCB 176	MG/KG	T			0.00000029	0.00000735											
PCB 177	MG/KG	T			0.000000941	0.0000321											
PCB 178	MG/KG	T			0.00000057	0.0000124											
PCB 179	MG/KG	T			0.000000924	0.0000242											
PCB 181	MG/KG	T			ND (0.000000277)	0.000000395											
PCB 182	MG/KG	T			ND (0.000000264)	ND (0.000000316)											
PCB 183	MG/KG	T			0.00000127	0.0000332											
PCB 184	MG/KG	T			ND (0.000000155)	ND (0.000000209)											
PCB 185	MG/KG	T			0.000000359	0.00000674											
PCB 186	MG/KG	T			ND (0.00000015)	ND (0.000000202)											
PCB 187	MG/KG	T			0.00000348	0.0000712											
PCB 188	MG/KG	T			ND (0.000000133)	ND (0.000000179)											
PCB 189	MG/KG	T	0.38	MG/KG	0.00000041 J	0.00000277											
PCB 19	MG/KG	T			0.00000809 B	0.00000221 B											
PCB 190	MG/KG	T			0.00000045	0.0000133											
PCB 191	MG/KG	T			ND (0.000000229)	0.00000259											
PCB 194	MG/KG	T			0.00000426	0.0000389											
PCB 195	MG/KG	T			0.00000063	0.0000143											
PCB 196	MG/KG	T			0.00000244	0.0000217											
PCB 197	MG/KG	T			0.00000608	0.0000227											
PCB 2	MG/KG	T			0.000000635	0.0000013											
PCB 200	MG/KG	T			0.000000517	0.00000581											
PCB 201	MG/KG	T			0.00000133	0.0000062											
PCB 202	MG/KG	T			0.00000204	0.0000105											
PCB 203	MG/KG	T			0.00000514	0.0000324											
PCB 204	MG/KG	T			ND (0.000000242)	ND (0.000000238)											
PCB 205	MG/KG	T			0.00000158 J	0.0000025											
PCB 206	MG/KG	T			0.0000414	0.0000623											
PCB 207	MG/KG	T			0.0000122	0.000015											
PCB 208	MG/KG	T			0.0000214	0.0000234											
PCB 209	MG/KG	T			0.0017	0.000457											
PCB 22	MG/KG	T			0.00000252 B	0.00000538 B											
PCB 23	MG/KG	T			ND (0.000000156)	ND (0.00000063)											
PCB 24	MG/KG	T			ND (0.000000102)	ND (0.00000034)											
PCB 25	MG/KG	T			0.000000502 B	0.00000111 B											
PCB 27	MG/KG	T			0.000000379 B	0.000000751 B											
PCB 3	MG/KG	T			0.000000903 B	0.00000192											
PCB 31	MG/KG	T			0.00000653 B	0.0000134 B											
PCB 32	MG/KG	T			0.00000179 B	0.00000475 B											
PCB 34	MG/KG	T			ND (0.000000154)	ND (0.000000618)											
PCB 35	MG/KG	T			0.000000243 EMPC	ND (0.000000662)											
PCB 36	MG/KG	T			ND (0.00000015)	ND (0.000000604)											
PCB 37	MG/KG	T			0.00000179 B	0.00000703											
PCB 38	MG/KG	T			ND (0.000000163)	ND (0.000000657)											
PCB 39	MG/KG	T			ND (0.000000148)	ND (0.000000597)											
PCB 4	MG/KG	T			0.00000315 B	0.00000341 B											
PCB 41	MG/KG	T			0.000000743 B	0.00000269											
PCB 42	MG/KG	T			0.0000019 B	0.0000107											

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB02	S18SB02	S20SB02	S20SB03	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11
				Date	4/24/08	4/24/08	4/24/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10
				Top (ft)	0	0	1	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	3	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 43	MG/KG	T			ND (0.00000226)	0.00000953											
PCB 45	MG/KG	T			0.0000192 B	0.0000111											
PCB 46	MG/KG	T			0.00000745 EMPC	0.00000465											
PCB 48	MG/KG	T			0.0000123 B	0.00000447											
PCB 5	MG/KG	T			0.00000469 B	0.00000442 B											
PCB 51	MG/KG	T			0.00000497 B	0.0000021											
PCB 52	MG/KG	T			0.00000798 B	0.0000435											
PCB 54	MG/KG	T			ND (0.00000109)	0.00000163											
PCB 55	MG/KG	T			ND (0.00000164)	0.00000045											
PCB 56	MG/KG	T			0.00000193	0.0000186											
PCB 57	MG/KG	T			ND (0.00000149)	ND (0.00000208)											
PCB 58	MG/KG	T			ND (0.00000159)	ND (0.00000222)											
PCB 6	MG/KG	T			0.00000145 B	0.0000017 B											
PCB 60	MG/KG	T			0.00000149	0.0000105											
PCB 63	MG/KG	T			ND (0.00000148)	0.00000989											
PCB 64	MG/KG	T			0.00000344	0.0000276											
PCB 66	MG/KG	T			0.00000457	0.0000336											
PCB 67	MG/KG	T			ND (0.00000146)	0.00000657											
PCB 68	MG/KG	T			ND (0.00000146)	ND (0.00000204)											
PCB 7	MG/KG	T			0.00000324	0.00000396 J											
PCB 72	MG/KG	T			ND (0.00000149)	ND (0.00000208)											
PCB 73	MG/KG	T			ND (0.00000144)	ND (0.0000016)											
PCB 77	MG/KG	T	0.11	MG/KG	0.00000763 J	0.00000572											
PCB 78	MG/KG	T			ND (0.0000017)	ND (0.00000237)											
PCB 79	MG/KG	T			ND (0.00000143)	0.00000676											
PCB 8	MG/KG	T			0.00000737 B	0.00000793 B											
PCB 80	MG/KG	T			ND (0.00000144)	ND (0.00000201)											
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.00000176)	ND (0.00000245)											
PCB 82	MG/KG	T			0.00000949	0.0000126											
PCB 83	MG/KG	T			0.00000455 EMPC	0.00000405											
PCB 84	MG/KG	T			0.00000274	0.0000323											
PCB 88	MG/KG	T			ND (0.00000266)	0.00000113											
PCB 89	MG/KG	T			ND (0.00000028)	0.00000209											
PCB 9	MG/KG	T			0.00000197 B	0.00000214 B											
PCB 91	MG/KG	T			0.00000143	0.0000147											
PCB 92	MG/KG	T			0.00000103	0.0000137											
PCB 94	MG/KG	T			ND (0.00000282)	0.00000651 EMPC											
PCB 95	MG/KG	T			0.00000664	0.00000804											
PCB 96	MG/KG	T			0.00000148	0.0000102											
PCB 98	MG/KG	T			ND (0.00000278)	ND (0.00000489)											
PCB 99	MG/KG	T			0.00000254 B	0.000029											
PCB-100/93	MG/KG	T			ND (0.00000258)	0.00000943											
PCB-107/124	MG/KG	T			ND (0.00000209)	0.00000241											
PCB-108/119/86/97/125/87	MG/KG	T			0.00000408 B	0.00005											
PCB-113/90/101	MG/KG	T			0.00000499 B	0.0000767											
PCB-116/85	MG/KG	T			0.00000109	0.000013											
PCB-128/166	MG/KG	T			0.00000157	0.0000206											
PCB-13/12	MG/KG	T			0.00000594 J	0.0000111 J											
PCB-139/140	MG/KG	T			ND (0.00000181)	0.00000133 EMPC											
PCB-147/149	MG/KG	T			0.00000553	0.000121											
PCB-151/135	MG/KG	T			0.00000237	0.0000515											
PCB-153/168	MG/KG	T			0.00000447	0.00012											
PCB-156/157	MG/KG	T			0.00000922 J	0.0000157											
PCB-163/138/129	MG/KG	T			0.0000073	0.000164											

EPA\_SL\_IndSoil\_05/12

< and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB02	S18SB02	S20SB02	S20SB03	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11
				Date	4/24/08	4/24/08	4/24/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10
				Top (ft)	0	0	1	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	2	2	3	2	2	2	2	2	2	2	2	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB-171/173	MG/KG	T			0.00000544	0.0000171											
PCB-180/193	MG/KG	T			0.00000521	0.000142											
PCB-198/199	MG/KG	T			0.00000782	0.0000565											
PCB-21/33	MG/KG	T			0.00000382 B	0.00000748 B											
PCB-26/29	MG/KG	T			0.00000115 B	0.00000203 B											
PCB-28/20	MG/KG	T			0.00000822 B	0.0000157 B											
PCB-30/18	MG/KG	T			0.00000619 B	0.0000104 B											
PCB-44/47/65	MG/KG	T			0.0000079 B	0.0000382											
PCB-50/53	MG/KG	T			0.00000175	0.0000105											
PCB-59/62/75	MG/KG	T			0.000000614	0.00000384											
PCB-61/70/74/76	MG/KG	T			0.00000767	0.0000595											
PCB-69/49	MG/KG	T			0.00000343 B	0.0000153											
PCB-71/40	MG/KG	T			0.000003 B	0.00002											
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000026 B	0.0000295 B											
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000187 EMPC	0.000497											
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000317 EMPC	0.000686 EMPC											
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000225 B	0.00000411											
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000075	0.000101											
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000264	0.000191											
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000413 EMPC	0.000559 EMPC											
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000516 EMPC	0.000326											
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000385 B	0.0000791 B											
ALUMINUM	MG/KG	T	990000	MG/KG	17000	17000	13900										
ANTIMONY	MG/KG	T	410	MG/KG	ND (0.987) UJ	ND (1.01) UJ	1.68 J										
ARSENIC	MG/KG	T	1.6	MG/KG	<b>^3.62 J</b>	<b>^3.2 J</b>	<b>^5.79 J</b>										
BARIUM	MG/KG	T	190000	MG/KG	72.5	48.6	124										
BERYLLIUM	MG/KG	T	2000	MG/KG	0.425 J	0.374 J	0.615										
CADMIUM	MG/KG	T	800	MG/KG	0.519 J	0.558	1.85										
CALCIUM	MG/KG	T			3960	1870	589										
CHROMIUM	MG/KG	T			31.4 J	28.3 J	25.7 J										
COBALT	MG/KG	T	300	MG/KG	7.28	5.26	33.3										
COPPER	MG/KG	T	41000	MG/KG	17	13.5	10.3										
IRON	MG/KG	T	720000	MG/KG	21600	21900	59300										
LEAD	MG/KG	T	800	MG/KG	14.6	22.9	4.94										
MAGNESIUM	MG/KG	T			3600	2190	502										
MANGANESE	MG/KG	T	23000	MG/KG	293	153	1280										
MERCURY	MG/KG	T	43	MG/KG	0.029 J	0.113	0.0224 J										
NICKEL	MG/KG	T	20000	MG/KG	15.8	11.6	14.9										
POTASSIUM	MG/KG	T			2570 J	1780 J	550 J										
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.07) UJ	ND (1.09) UJ	ND (1.03) UJ										
SILVER	MG/KG	T	5100	MG/KG	0.316 J	0.269 J	0.258 J										
SODIUM	MG/KG	T			370	221	93.8 J										
THALLIUM	MG/KG	T	10	MG/KG	ND (0.166) UJ	ND (0.171) UJ	0.237 J										
TITANIUM	MG/KG	T			1070	1390	656										
VANADIUM	MG/KG	T			42	38.6	32.1										
ZINC	MG/KG	T	310000	MG/KG	39	44.2	41.6										
C19 to C36 Aliphatics	MG/KG	T															
TOTAL ORGANIC CARBON	MG/KG	T			ND (443)	1460	ND (427)	1100									
TPH-DRO	MG/KG	T						14									
HPCDFS	MG/KG	T			0.0000833	0.0000325											
ORO >C28 - C35	MG/KG	T							310	53	270	280	450	79	180	52	83

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB12	S20SB13	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB01	S21SB01	S21SB02	S24SB01
				Date	6/3/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/21/08	5/21/08	5/9/08
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	1
				Bottom (ft)	2	2	2	2	2	2	2	2	2	2	2	3
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG									ND (7)	ND (7)	ND (6)	
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG									ND (1)	ND (0.9)	2 J	
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG									ND (2)	ND (2)	ND (2)	
METHYL CHLORIDE	UG/KG	T	500000	UG/KG									ND (2)	ND (2)	ND (2)	
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG									ND (4)	ND (4)	ND (4)	
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG									ND (1)	ND (0.9)	ND (0.9)	
TRICHLOROETHENE	UG/KG	T	6400	UG/KG									ND (1)	ND (0.9)	ND (0.9)	
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG									ND (37)	ND (38)	ND (36)	
ACENAPHTHENE	UG/KG	T	33000000	UG/KG									ND (37)	ND (38)	ND (36)	
ACENAPHTHYLENE	UG/KG	T											ND (37)	ND (38)	ND (36)	
ANTHRACENE	UG/KG	T	170000000	UG/KG									ND (37)	ND (38)	51 J	
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG									ND (37)	ND (38)	90 J	
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG									ND (37)	ND (38)	240	
BENZO(G,H,I)PERYLENE	UG/KG	T											ND (37)	ND (38)	130 J	
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG									ND (37)	ND (38)	110 J	
BENZO(A)PYRENE	UG/KG	T	210	UG/KG									ND (37)	ND (38)	130 J	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG									ND (75)	81 J	ND (72)	
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG									ND (75)	ND (75)	ND (72)	
CARBAZOLE	UG/KG	T											ND (37)	ND (38)	ND (36)	
CHRYSENE	UG/KG	T	210000	UG/KG									ND (37)	ND (38)	170 J	
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG									ND (37)	ND (38)	ND (36)	
DIBENZOFURAN	UG/KG	T	1000000	UG/KG									ND (37)	ND (38)	ND (36)	
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG									ND (75)	ND (75)	ND (72)	
FLUORANTHENE	UG/KG	T	22000000	UG/KG									ND (37)	ND (38)	110 J	
FLUORENE	UG/KG	T	22000000	UG/KG									ND (37)	ND (38)	ND (36)	
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG									ND (37)	ND (38)	ND (36)	
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG									ND (37)	ND (38)	100 J	
NAPHTHALENE	UG/KG	T	18000	UG/KG									ND (37)	ND (38)	ND (36)	
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG									ND (37)	ND (38)	ND (36)	
PHENANTHRENE	UG/KG	T											ND (37)	ND (38)	ND (36)	
PYRENE	UG/KG	T	17000000	UG/KG									ND (37)	ND (38)	140 J	
1,2,3,4,6,7,8-HPCDD	MG/KG	T											0.000129	0.0000937	0.0000615	
1,2,3,4,6,7,8-HPCDF	MG/KG	T											0.0000179	0.00000746	0.0000297	
1,2,3,4,7,8,9-HPCDF	MG/KG	T											0.00000506	0.00000145 J	0.000015	
1,2,3,4,7,8-HXCDD	MG/KG	T											0.00000696 EMPC J	0.0000055 EMPC J	0.00000509 EMPC J	
1,2,3,4,7,8-HXCDF	MG/KG	T											0.00000436	0.00000105 J	0.0000107	
1,2,3,6,7,8-HXCDD	MG/KG	T											0.00000154 EMPC J	0.00000893 J	0.00000124 EMPC J	
1,2,3,6,7,8-HXCDF	MG/KG	T											0.00000148 J	0.00000458 J	0.00000213 J	
1,2,3,7,8,9-HXCDD	MG/KG	T											0.00000152 J	0.00000105 J	0.00000103 J	
1,2,3,7,8,9-HXCDF	MG/KG	T											0.0000021 J	ND (0.00000241) UJ	0.00000217 J	
1,2,3,7,8-PECDD	MG/KG	T											0.00000485 J	0.00000266 J	ND (0.00000289)	
1,2,3,7,8-PECDF	MG/KG	T											0.000001 J	0.00000261 J	0.0000023 J	
2,3,4,6,7,8-HXCDF	MG/KG	T											0.0000013 J	0.00000403 J	0.00000147 J	
2,3,4,7,8-PECDF	MG/KG	T											0.000001 EMPC J	ND (0.00000241) UJ	0.00000153 J	
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG									0.0000019 J	ND (0.00000164)	ND (0.00000227)	
2,3,7,8-TCDF	MG/KG	T											0.000000762	ND (0.00000178)	0.00000113 EMPC	
HPCDDs	MG/KG	T											0.000348	0.000202	0.000175	
HXCDDs	MG/KG	T											0.000034 EMPC	0.000025 EMPC	0.0000208 EMPC	
HXCDFs	MG/KG	T											0.0000209 EMPC	0.00000462 EMPC	0.0000333 EMPC	
OCDD	MG/KG	T											0.0102 J	0.00815	0.00366	
OCDF	MG/KG	T											0.000321	0.000058	0.00119	
TCDDs	MG/KG	T											0.00000331 EMPC	ND (0.00000164)	0.000000994 EMPC	
TCDFs	MG/KG	T											0.0000324 EMPC	0.00000201 EMPC	0.0000296 EMPC	
TOTAL HPCDD	MG/KG	T														

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB12	S20SB13	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB01	S21SB01	S21SB02	S24SB01
				Date	6/3/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/21/08	5/21/08	5/9/08
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	1
				Bottom (ft)	2	2	2	2	2	2	2	2	2	2	2	3
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS	FS	FS
TOTAL HPCDF	MG/KG	T														
TOTAL HXCDD	MG/KG	T														
TOTAL HXCDF	MG/KG	T														
TOTAL PECDD	MG/KG	T														
TOTAL PECDDS	MG/KG	T											0.00001 EMPC	0.00000639 EMPC	0.00000449 EMPC	
TOTAL PECDF	MG/KG	T														
TOTAL PECDFS	MG/KG	T											0.000016 EMPC	0.00000195 EMPC	0.0000237 EMPC	
PCB 1	MG/KG	T											0.000000412 B	ND (0.000000127)	0.00000152	
PCB 10	MG/KG	T											ND (0.000000032)	ND (0.000000122)	ND (0.0000000684)	
PCB 102	MG/KG	T											0.00000331	ND (0.000000138)	0.0000106	
PCB 103	MG/KG	T											0.000000503	ND (0.000000128)	0.00000185	
PCB 104	MG/KG	T											ND (0.000000225)	ND (0.000000071)	ND (0.0000000611)	
PCB 105	MG/KG	T	0.38	MG/KG									0.0000194	0.000000725 J	0.0000705	
PCB 106	MG/KG	T											ND (0.0000000506)	ND (0.000000105)	ND (0.0000000936)	
PCB 109	MG/KG	T											0.00000278	ND (0.0000000946)	0.000011	
PCB 11	MG/KG	T											0.00000598 B	0.00000327 B	0.000013 B	
PCB 110	MG/KG	T											0.00014	0.00000563	0.000565	
PCB 111	MG/KG	T											ND (0.0000000476)	ND (0.0000000985)	ND (0.0000000883)	
PCB 112	MG/KG	T											ND (0.0000000509)	ND (0.000000105)	ND (0.0000000943)	
PCB 114	MG/KG	T	0.38	MG/KG									ND (0.000000047)	ND (0.000000101)	0.00000439	
PCB 115	MG/KG	T											ND (0.0000000484)	ND (0.00000001)	ND (0.0000000896)	
PCB 117	MG/KG	T											0.00000139	ND (0.000000118)	0.00000637	
PCB 118	MG/KG	T	0.38	MG/KG									0.0000423	0.00000175	0.000158	
PCB 120	MG/KG	T											0.000000189	ND (0.000000099)	ND (0.0000000887)	
PCB 121	MG/KG	T											ND (0.0000000496)	ND (0.000000103)	ND (0.0000000919)	
PCB 122	MG/KG	T											0.000000584	ND (0.00000011)	0.00000246	
PCB 123	MG/KG	T	0.38	MG/KG									0.00000107 EMPC	ND (0.000000104)	0.0000035	
PCB 126	MG/KG	T	0.00011	MG/KG									0.00000061 EMPCJ	ND (0.000000039)	0.00000202 EMPC	
PCB 127	MG/KG	T											ND (0.0000000476)	ND (0.0000000944)	ND (0.0000000946)	
PCB 130	MG/KG	T											0.0000187	0.000000909	0.000124	
PCB 131	MG/KG	T											0.00000376	0.000000209 EMPC	0.0000272	
PCB 132	MG/KG	T											0.000116	0.00000582	0.00117	
PCB 133	MG/KG	T											0.00000469	0.000000185 EMPC	0.0000401	
PCB 134	MG/KG	T											0.0000197	0.000000666 EMPC	0.000194	
PCB 136	MG/KG	T											0.0000464	0.0000025	0.000636	
PCB 137	MG/KG	T											0.00000784	0.000000287 EMPC	0.0000323	
PCB 14	MG/KG	T											ND (0.0000000299)	ND (0.000000176)	ND (0.0000000902)	
PCB 141	MG/KG	T											0.0000356	0.0000016	0.000626	
PCB 143	MG/KG	T											ND (0.0000000349)	ND (0.000000101)	ND (0.0000000871)	
PCB 144	MG/KG	T											0.0000152	0.000000825	0.000263	
PCB 145	MG/KG	T											0.000000187 EMPC	ND (0.0000000768)	ND (0.0000000593)	
PCB 146	MG/KG	T											0.0000383	0.00000168	0.000423	
PCB 148	MG/KG	T											0.000000196	ND (0.000000104)	0.000000676	
PCB 15	MG/KG	T											0.00000705	0.000000682	0.0000166	
PCB 150	MG/KG	T											0.000000246	ND (0.0000000744)	ND (0.0000000575)	
PCB 152	MG/KG	T											0.000000022	ND (0.0000000727)	0.000000708	
PCB 154	MG/KG	T											0.00000191	ND (0.0000000889)	0.00000937	
PCB 158	MG/KG	T											0.0000263	0.00000131	0.000231	
PCB 159	MG/KG	T											0.00000492	0.000000297	0.0000589	
PCB 16	MG/KG	T											0.00000171 B	0.000000396 B	0.00000443	
PCB 162	MG/KG	T											0.00000121	ND (0.000000143)	0.00000446	
PCB 164	MG/KG	T											0.0000305	0.00000151	0.000279	
PCB 165	MG/KG	T											0.0000000994 EMPC	ND (0.0000000813)	ND (0.0000000705)	
PCB 167	MG/KG	T	0.38	MG/KG									0.0000101	0.00000049 J	0.0000736	

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB12	S20SB13	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB01	S21SB01	S21SB02	S24SB01
				Date	6/3/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/21/08	5/21/08	5/9/08
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	1
				Bottom (ft)	2	2	2	2	2	2	2	2	2	2	2	3
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG									0.00000132	0.00000216 EMPCJ	0.0000125	
PCB 17	MG/KG	T											0.00000167 B	0.00000549 B	0.00000423	
PCB 170	MG/KG	T											0.000157	0.00000761	0.0018	
PCB 172	MG/KG	T											0.0000302	0.00000159	0.000343	
PCB 174	MG/KG	T											0.000182	0.00000874	0.00236	
PCB 175	MG/KG	T											0.00000753	0.000000478	0.000101	
PCB 176	MG/KG	T											0.0000192	0.00000114	0.00026	
PCB 177	MG/KG	T											0.000105	0.00000474	0.00133	
PCB 178	MG/KG	T											0.0000333	0.00000225	0.000405	
PCB 179	MG/KG	T											0.0000702	0.00000419	0.000949	
PCB 181	MG/KG	T											0.00000805	ND (0.000000187)	0.00000485	
PCB 182	MG/KG	T											ND (0.000000176)	ND (0.000000181)	ND (0.000000733)	
PCB 183	MG/KG	T											0.000108	0.00000603	0.00139	
PCB 184	MG/KG	T											0.00000205	ND (0.000000848)	ND (0.000000784)	
PCB 185	MG/KG	T											0.0000254	0.00000109	0.000335	
PCB 186	MG/KG	T											ND (0.000000276)	ND (0.000000811)	ND (0.000000075)	
PCB 187	MG/KG	T											0.000248	0.0000158	0.00305	
PCB 188	MG/KG	T											0.000000279	ND (0.000000744)	0.000000571	
PCB 189	MG/KG	T	0.38	MG/KG									0.00000553	0.000000459 J	0.0000568	
PCB 19	MG/KG	T											0.00000451	ND (0.000000147)	0.000000795	
PCB 190	MG/KG	T											0.0000257	0.00000015	0.000326	
PCB 191	MG/KG	T											0.00000631	0.000000268 EMPC	0.0000716	
PCB 194	MG/KG	T											0.000109	0.00000939	0.00115	
PCB 195	MG/KG	T											0.000042	0.00000266	0.000531	
PCB 196	MG/KG	T											0.0000446	0.00000474	0.000433	
PCB 197	MG/KG	T											0.00000444	0.00000068	0.0000363	
PCB 2	MG/KG	T											0.00000105	0.000000314	0.0000016	
PCB 200	MG/KG	T											0.0000126	0.00000141	0.000122	
PCB 201	MG/KG	T											0.0000155	0.00000183	0.000135	
PCB 202	MG/KG	T											0.0000265	0.00000379	0.000181	
PCB 203	MG/KG	T											0.0000653	0.00000855	0.000509	
PCB 204	MG/KG	T											0.000000236	ND (0.000000112)	ND (0.000000198)	
PCB 205	MG/KG	T											0.00000492	0.000000542	0.0000521	
PCB 206	MG/KG	T											0.000123	0.0000237	0.000364	
PCB 207	MG/KG	T											0.0000178	0.0000063	0.0000507	
PCB 208	MG/KG	T											0.000042	0.00000876	0.0000948	
PCB 209	MG/KG	T											0.000623	0.00013	0.00179	
PCB 22	MG/KG	T											0.00000344	0.000000537 B	0.00000931	
PCB 23	MG/KG	T											ND (0.000000774)	ND (0.000000144)	ND (0.000000197)	
PCB 24	MG/KG	T											7.51E-08	ND (0.000000112)	0.000000177	
PCB 25	MG/KG	T											0.000000696	ND (0.00000013)	0.00000184	
PCB 27	MG/KG	T											0.000000363	ND (0.000000106)	0.000000777	
PCB 3	MG/KG	T											0.00000294	0.000000446 B	0.00000374	
PCB 31	MG/KG	T											0.00000845	0.00000129 B	0.0000218	
PCB 32	MG/KG	T											0.00000157	0.000000323 B	0.00000366	
PCB 34	MG/KG	T											ND (0.000000765)	ND (0.000000142)	ND (0.000000195)	
PCB 35	MG/KG	T											0.000000776	ND (0.000000143)	0.00000142	
PCB 36	MG/KG	T											ND (0.000000707)	ND (0.000000131)	ND (0.00000018)	
PCB 37	MG/KG	T											0.00000791	0.000000412	0.0000235	
PCB 38	MG/KG	T											ND (0.000000776)	ND (0.000000144)	ND (0.000000198)	
PCB 39	MG/KG	T											0.00000015	ND (0.000000132)	ND (0.00000018)	
PCB 4	MG/KG	T											0.000000769	0.000000051	0.00000156	
PCB 41	MG/KG	T											0.000000849	0.00000012 EMPC	0.00000164 EMPC	
PCB 42	MG/KG	T											0.00000267	0.000000163 EMPC	0.00000623	

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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB12	S20SB13	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB01	S21SB01	S21SB02	S24SB01	
				Date	6/3/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/21/08	5/21/08	5/9/08	
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	1	
				Bottom (ft)	2	2	2	2	2	2	2	2	2	2	2	3	
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS	FS	FS	
PCB 43	MG/KG	T											0.00000323	ND (0.0000016)	0.00000626	EMPC	
PCB 45	MG/KG	T											0.00000244	0.00000197	0.00000471		
PCB 46	MG/KG	T											0.0000015	0.000000427	EMPC	0.00000479	
PCB 48	MG/KG	T											0.00000162	0.00000018	0.00000364		
PCB 5	MG/KG	T											0.000000284	ND (0.00000217)	0.000000439		
PCB 51	MG/KG	T											0.00000064	EMPC	6.61E-08	0.00000189	EMPC
PCB 52	MG/KG	T											0.0000187	0.00000107	B	0.00000701	
PCB 54	MG/KG	T											6.31E-08	ND (0.000000868)	0.000000234		
PCB 55	MG/KG	T											ND (0.000000854)	ND (0.000000153)	0.000000509		
PCB 56	MG/KG	T											0.00000726	0.000000357	0.00000175		
PCB 57	MG/KG	T											ND (0.000000837)	ND (0.00000015)	ND (0.000000258)		
PCB 58	MG/KG	T											ND (0.000000821)	ND (0.000000147)	ND (0.000000253)		
PCB 6	MG/KG	T											0.00000071	0.000000035	0.00000172		
PCB 60	MG/KG	T											0.00000364	0.00000014	EMPC	0.00000084	
PCB 63	MG/KG	T											0.000000458	ND (0.000000135)	0.00000107		
PCB 64	MG/KG	T											0.00000626	0.000000345	B	0.00000135	
PCB 66	MG/KG	T											0.000015	0.000000618	0.00000343		
PCB 67	MG/KG	T											0.000000438	ND (0.000000136)	0.000000993		
PCB 68	MG/KG	T											0.000000105	EMPC	ND (0.000000133)	ND (0.00000023)	
PCB 7	MG/KG	T											0.00000015	ND (0.000000207)	0.000000401		
PCB 72	MG/KG	T											9.01E-08	ND (0.000000142)	ND (0.000000244)		
PCB 73	MG/KG	T											ND (0.000000484)	ND (0.0000001)	0.000000105	EMPC	
PCB 77	MG/KG	T	0.11	MG/KG									0.0000044	0.000000301	B	0.0000012	
PCB 78	MG/KG	T											ND (0.000000833)	ND (0.000000149)	ND (0.000000257)		
PCB 79	MG/KG	T											0.000000357	ND (0.000000125)	0.000000933	EMPC	
PCB 8	MG/KG	T											0.0000036	0.00000136	B	0.00000954	
PCB 80	MG/KG	T											ND (0.000000733)	ND (0.000000131)	ND (0.000000226)		
PCB 81	MG/KG	T	0.038	MG/KG									ND (0.000000817)	ND (0.000000146)	ND (0.000000252)		
PCB 82	MG/KG	T											0.00000579	ND (0.000000157)	0.0000022		
PCB 83	MG/KG	T											0.00000508	0.000000193	EMPC	0.00000277	
PCB 84	MG/KG	T											0.00000343	0.000000179	0.000145		
PCB 88	MG/KG	T											ND (0.000000785)	0.000000135	EMPC	ND (0.000000145)	
PCB 89	MG/KG	T											0.00000119	ND (0.000000147)	0.000000373		
PCB 9	MG/KG	T											0.000000332	ND (0.000000203)	0.000000635		
PCB 91	MG/KG	T											0.0000143	0.000000509	0.0000462		
PCB 92	MG/KG	T											0.00000806	0.000000335	EMPC	0.00000629	
PCB 94	MG/KG	T											0.000000639	ND (0.000000147)	0.00000189		
PCB 95	MG/KG	T											0.000098	0.000000539	0.000997		
PCB 96	MG/KG	T											0.000000874	ND (0.000000824)	0.00000289		
PCB 98	MG/KG	T											ND (0.000000621)	ND (0.000000128)	ND (0.000000115)		
PCB 99	MG/KG	T											0.0000152	0.000000709	B	0.0000633	
PCB-100/93	MG/KG	T											0.000000719	ND (0.000000134)	0.00000203		
PCB-107/124	MG/KG	T											0.000002	ND (0.000000103)	0.00000777		
PCB-108/119/86/97/125/87	MG/KG	T											0.0000275	0.00000136	B	0.000134	
PCB-113/90/101	MG/KG	T											0.0000401	0.00000176	B	0.000394	
PCB-116/85	MG/KG	T											0.00000669	ND (0.000000114)	0.0000222		
PCB-128/166	MG/KG	T											0.0000474	0.00000212	0.00031		
PCB-13/12	MG/KG	T											0.0000012	ND (0.000000208)	0.00000207		
PCB-139/140	MG/KG	T											0.00000386	0.000000183	EMPC	0.00000143	
PCB-147/149	MG/KG	T											0.000315	0.00000159	0.00394		
PCB-151/135	MG/KG	T											0.000125	0.00000732	0.00206		
PCB-153/168	MG/KG	T											0.000132	0.00000636	0.00204		
PCB-156/157	MG/KG	T											0.0000165	0.000000865	J	0.000107	
PCB-163/138/129	MG/KG	T											0.000242	0.0000108	0.00239		

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB12	S20SB13	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB01	S21SB01	S21SB02	S24SB01
				Date	6/3/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/21/08	5/21/08	5/9/08
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	1
				Bottom (ft)	2	2	2	2	2	2	2	2	2	2	2	3
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS	FS	FS
PCB-171/173	MG/KG	T											0.0000526	0.0000238	0.000636	
PCB-180/193	MG/KG	T											0.000358	0.0000204	0.00426	
PCB-198/199	MG/KG	T											0.000119	0.0000139	0.000927	
PCB-21/33	MG/KG	T											0.00000473	0.00000893 B	0.0000128	
PCB-26/29	MG/KG	T											0.00000135	0.00000025 B	0.00000346	
PCB-28/20	MG/KG	T											0.0000101	0.00000166 B	0.0000283	
PCB-30/18	MG/KG	T											0.00000373 B	0.00000139 B	0.00000892	
PCB-44/47/65	MG/KG	T											0.0000122	0.00000118 B	0.000033	
PCB-50/53	MG/KG	T											0.00000363	0.000000192	0.00000905	
PCB-59/62/75	MG/KG	T											0.0000014	ND (0.00000099)	0.00000276	
PCB-61/70/74/76	MG/KG	T											0.0000291	0.00000124 B	0.0000751	
PCB-69/49	MG/KG	T											0.00000623	0.000000439 B	0.0000167	
PCB-71/40	MG/KG	T											0.00000503	0.000000281	0.000011	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.0000201 B	0.00000617 B	0.000046	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.00143	0.0000787 EMPC	0.0177	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.00127 EMPC	0.000062 EMPC	0.0151	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.0000044	0.00000076 B	0.00000686	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.000183	0.0000388	0.00051	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.000444	0.0000475	0.00408	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.000473 EMPC	0.0000203 EMPC	0.00277 EMPC	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.000124 EMPC	0.00000693 B	0.000331 EMPC	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T											0.0000472	0.0000077 B	0.000125	
ALUMINUM	MG/KG	T	990000	MG/KG									12700	14800	8880	
ANTIMONY	MG/KG	T	410	MG/KG									ND (0.994) UJ	ND (1.02) UJ	ND (0.946) UJ	
ARSENIC	MG/KG	T	1.6	MG/KG									<b>^3.4 J</b>	<b>^3.8 J</b>	0.594 J	
BARIUM	MG/KG	T	190000	MG/KG									51.2	44.2	152	
BERYLLIUM	MG/KG	T	2000	MG/KG									0.585	0.652	0.212 J	
CADMIUM	MG/KG	T	800	MG/KG									0.103 J	ND (0.0733)	0.293 J	
CALCIUM	MG/KG	T											1430	1420	17200	
CHROMIUM	MG/KG	T											28.5	29.1	42.1	
COBALT	MG/KG	T	300	MG/KG									5.84	5.68	10.1	
COPPER	MG/KG	T	41000	MG/KG									95.5	51.8	48.4	
IRON	MG/KG	T	720000	MG/KG									17800	19900	20000	
LEAD	MG/KG	T	800	MG/KG									20.7	14.1	10.3	
MAGNESIUM	MG/KG	T											1900	2110	7600	
MANGANESE	MG/KG	T	23000	MG/KG									175 J	132 J	311 J	
MERCURY	MG/KG	T	43	MG/KG									0.0907 J	0.0481 J	0.0253 J	
NICKEL	MG/KG	T	20000	MG/KG									12.8	11.9	40	
POTASSIUM	MG/KG	T											1110 J	1350 J	4340 J	
SELENIUM	MG/KG	T	5100	MG/KG									ND (1.08)	ND (1.1)	ND (1.03)	
SILVER	MG/KG	T	5100	MG/KG									ND (0.187)	0.214 J	ND (0.178)	
SODIUM	MG/KG	T											145	168	137	
THALLIUM	MG/KG	T	10	MG/KG									ND (0.162)	ND (0.169)	0.21 J	
TITANIUM	MG/KG	T											973	887	1770	
VANADIUM	MG/KG	T											54.9	44.4	55.5	
ZINC	MG/KG	T	310000	MG/KG									37.8	32	154	
C19 to C36 Aliphatics	MG/KG	T														
TOTAL ORGANIC CARBON	MG/KG	T											ND (420)	ND (427)	ND (384)	ND (389)
TPH-DRO	MG/KG	T														ND (4.7)
HPCDFS	MG/KG	T											0.000039	0.0000122	0.0000742	
ORO >C28 - C35	MG/KG	T														
					82	97	40	33	39	100	31	50				

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB01	S25SB02	S27SB01	S27SB02	S27SB04	S27SB06	S28SB01	S28SB02	S28SB03	S28SB03	S28SB05	S28SB06	S28SB07	S28SB08	S28SB09		
				Date	5/18/10	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/5/08	5/5/08	5/6/08	5/6/08	5/7/08	5/7/08	5/6/08	5/6/08	5/6/08	5/6/08	
				Top (ft)	0	1	0	0	0	1	1	1.5	1.5	1.5	1	0	1	1	1	0	
				Bottom (ft)	2	3	2	2	2	3	3	3.5	3.5	3.5	2.5	2	3	3	3	2	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
ACETONE	UG/KG	T	630000000	UG/KG																	
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG																	
ETHYL CHLORIDE	UG/KG	T	61000000	UG/KG																	
METHYL CHLORIDE	UG/KG	T	500000	UG/KG																	
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG																	
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG																	
TRICHLOROETHENE	UG/KG	T	6400	UG/KG																	
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG																	
ACENAPHTHENE	UG/KG	T	33000000	UG/KG			ND (38)	ND (36)	ND (38)	ND (39)											
ACENAPHTHYLENE	UG/KG	T		UG/KG			ND (38)	ND (36)	ND (38)												
ANTHRACENE	UG/KG	T	170000000	UG/KG			ND (38)	58 J	ND (38)	ND (39)											
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG			48 J	280	ND (38)	ND (39)											
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG			91 J	410	ND (38)	ND (39)											
BENZO(G,H,I)PERYLENE	UG/KG	T		UG/KG			78 J	240	ND (38)												
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG			43 J	160 J	ND (38)	ND (39)											
BENZO(A)PYRENE	UG/KG	T	210	UG/KG			69 J	^300	ND (38)	ND (39)											
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG																	
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG																	
CARBAZOLE	UG/KG	T		UG/KG																	
CHRYSENE	UG/KG	T	210000	UG/KG			39 J	300	ND (38)	ND (39)											
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG			ND (38)	60 J	ND (38)												
DIBENZOFURAN	UG/KG	T	1000000	UG/KG																	
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG																	
FLUORANTHENE	UG/KG	T	22000000	UG/KG			82 J	480	ND (38)	ND (39)											
FLUORENE	UG/KG	T	22000000	UG/KG			ND (38)	ND (36)	ND (38)	ND (39)											
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG																	
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG			55 J	230	ND (38)	ND (39)											
NAPHTHALENE	UG/KG	T	18000	UG/KG			ND (38)	ND (36)	ND (38)	ND (39)											
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG																	
PHENANTHRENE	UG/KG	T		UG/KG			ND (38)	260	ND (38)	ND (39)											
PYRENE	UG/KG	T	17000000	UG/KG			85 J	410	ND (38)	ND (39)											
1,2,3,4,6,7,8-HPCDD	MG/KG	T																			
1,2,3,4,6,7,8-HPCDF	MG/KG	T																			
1,2,3,4,7,8,9-HPCDF	MG/KG	T																			
1,2,3,4,7,8-HXCDD	MG/KG	T																			
1,2,3,4,7,8-HXCDF	MG/KG	T																			
1,2,3,6,7,8-HXCDD	MG/KG	T																			
1,2,3,6,7,8-HXCDF	MG/KG	T																			
1,2,3,7,8,9-HXCDD	MG/KG	T																			
1,2,3,7,8,9-HXCDF	MG/KG	T																			
1,2,3,7,8-PECDD	MG/KG	T																			
1,2,3,7,8-PECDF	MG/KG	T																			
2,3,4,6,7,8-HXCDF	MG/KG	T																			
2,3,4,7,8-PECDF	MG/KG	T																			
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG																	
2,3,7,8-TCDF	MG/KG	T																			
HPCDDS	MG/KG	T																			
HXCDDS	MG/KG	T																			
HXCDFS	MG/KG	T																			
OCDD	MG/KG	T																			
OCDF	MG/KG	T																			
TCDDS	MG/KG	T																			
TCDFS	MG/KG	T																			
TOTAL HPCDD	MG/KG	T																			

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**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB01	S25SB02	S27SB01	S27SB02	S27SB04	S27SB06	S28SB01	S28SB02	S28SB03	S28SB03	S28SB05	S28SB06	S28SB07	S28SB08	S28SB09			
				Date	5/18/10	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/5/08	5/5/08	5/6/08	5/6/08	5/7/08	5/7/08	5/6/08	5/6/08	5/6/08	5/6/08		
				Top (ft)	0	1	0	0	0	1	1	1.5	1.5	1.5	1	0	1	1	1	0		
				Bottom (ft)	2	3	2	2	2	3	3	3.5	3.5	3.5	2.5	2	3	3	2	3	3	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HPCDF	MG/KG	T																				
TOTAL HXCDD	MG/KG	T																				
TOTAL HXCDF	MG/KG	T																				
TOTAL PECDD	MG/KG	T																				
TOTAL PECDDS	MG/KG	T																				
TOTAL PECDF	MG/KG	T																				
TOTAL PECDFS	MG/KG	T																				
PCB 1	MG/KG	T																				
PCB 10	MG/KG	T																				
PCB 102	MG/KG	T																				
PCB 103	MG/KG	T																				
PCB 104	MG/KG	T																				
PCB 105	MG/KG	T	0.38	MG/KG																		
PCB 106	MG/KG	T																				
PCB 109	MG/KG	T																				
PCB 11	MG/KG	T																				
PCB 110	MG/KG	T																				
PCB 111	MG/KG	T																				
PCB 112	MG/KG	T																				
PCB 114	MG/KG	T	0.38	MG/KG																		
PCB 115	MG/KG	T																				
PCB 117	MG/KG	T																				
PCB 118	MG/KG	T	0.38	MG/KG																		
PCB 120	MG/KG	T																				
PCB 121	MG/KG	T																				
PCB 122	MG/KG	T																				
PCB 123	MG/KG	T	0.38	MG/KG																		
PCB 126	MG/KG	T	0.00011	MG/KG																		
PCB 127	MG/KG	T																				
PCB 130	MG/KG	T																				
PCB 131	MG/KG	T																				
PCB 132	MG/KG	T																				
PCB 133	MG/KG	T																				
PCB 134	MG/KG	T																				
PCB 136	MG/KG	T																				
PCB 137	MG/KG	T																				
PCB 14	MG/KG	T																				
PCB 141	MG/KG	T																				
PCB 143	MG/KG	T																				
PCB 144	MG/KG	T																				
PCB 145	MG/KG	T																				
PCB 146	MG/KG	T																				
PCB 148	MG/KG	T																				
PCB 15	MG/KG	T																				
PCB 150	MG/KG	T																				
PCB 152	MG/KG	T																				
PCB 154	MG/KG	T																				
PCB 158	MG/KG	T																				
PCB 159	MG/KG	T																				
PCB 16	MG/KG	T																				
PCB 162	MG/KG	T																				
PCB 164	MG/KG	T																				
PCB 165	MG/KG	T																				
PCB 167	MG/KG	T	0.38	MG/KG																		

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB01	S25SB02	S27SB01	S27SB02	S27SB04	S27SB06	S28SB01	S28SB02	S28SB03	S28SB03	S28SB05	S28SB06	S28SB07	S28SB08	S28SB09		
				Date	5/18/10	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/5/08	5/5/08	5/6/08	5/6/08	5/7/08	5/7/08	5/6/08	5/6/08	5/6/08	5/6/08	
				Top (ft)	0	1	0	0	0	1	1	1.5	1.5	1.5	1	0	1	1	1	0	
				Bottom (ft)	2	3	2	2	2	3	3	3.5	3.5	3.5	2.5	2	3	3	2	3	3
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
PCB 169	MG/KG	T	0.00038	MG/KG																	
PCB 17	MG/KG	T																			
PCB 170	MG/KG	T																			
PCB 172	MG/KG	T																			
PCB 174	MG/KG	T																			
PCB 175	MG/KG	T																			
PCB 176	MG/KG	T																			
PCB 177	MG/KG	T																			
PCB 178	MG/KG	T																			
PCB 179	MG/KG	T																			
PCB 181	MG/KG	T																			
PCB 182	MG/KG	T																			
PCB 183	MG/KG	T																			
PCB 184	MG/KG	T																			
PCB 185	MG/KG	T																			
PCB 186	MG/KG	T																			
PCB 187	MG/KG	T																			
PCB 188	MG/KG	T																			
PCB 189	MG/KG	T	0.38	MG/KG																	
PCB 19	MG/KG	T																			
PCB 190	MG/KG	T																			
PCB 191	MG/KG	T																			
PCB 194	MG/KG	T																			
PCB 195	MG/KG	T																			
PCB 196	MG/KG	T																			
PCB 197	MG/KG	T																			
PCB 2	MG/KG	T																			
PCB 200	MG/KG	T																			
PCB 201	MG/KG	T																			
PCB 202	MG/KG	T																			
PCB 203	MG/KG	T																			
PCB 204	MG/KG	T																			
PCB 205	MG/KG	T																			
PCB 206	MG/KG	T																			
PCB 207	MG/KG	T																			
PCB 208	MG/KG	T																			
PCB 209	MG/KG	T																			
PCB 22	MG/KG	T																			
PCB 23	MG/KG	T																			
PCB 24	MG/KG	T																			
PCB 25	MG/KG	T																			
PCB 27	MG/KG	T																			
PCB 3	MG/KG	T																			
PCB 31	MG/KG	T																			
PCB 32	MG/KG	T																			
PCB 34	MG/KG	T																			
PCB 35	MG/KG	T																			
PCB 36	MG/KG	T																			
PCB 37	MG/KG	T																			
PCB 38	MG/KG	T																			
PCB 39	MG/KG	T																			
PCB 4	MG/KG	T																			
PCB 41	MG/KG	T																			
PCB 42	MG/KG	T																			

EPA\_SL\_IndSoil\_05/12  
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**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB01	S25SB02	S27SB01	S27SB02	S27SB04	S27SB06	S28SB01	S28SB02	S28SB03	S28SB03	S28SB05	S28SB06	S28SB07	S28SB08	S28SB09		
				Date	5/18/10	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/5/08	5/5/08	5/6/08	5/6/08	5/7/08	5/7/08	5/6/08	5/6/08	5/6/08	5/6/08	
				Top (ft)	0	1	0	0	0	1	1	1.5	1.5	1.5	1	0	1	1	1	0	
				Bottom (ft)	2	3	2	2	2	3	3	3.5	3.5	3.5	2.5	2	3	3	2	3	3
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS
PCB 43	MG/KG	T																			
PCB 45	MG/KG	T																			
PCB 46	MG/KG	T																			
PCB 48	MG/KG	T																			
PCB 5	MG/KG	T																			
PCB 51	MG/KG	T																			
PCB 52	MG/KG	T																			
PCB 54	MG/KG	T																			
PCB 55	MG/KG	T																			
PCB 56	MG/KG	T																			
PCB 57	MG/KG	T																			
PCB 58	MG/KG	T																			
PCB 6	MG/KG	T																			
PCB 60	MG/KG	T																			
PCB 63	MG/KG	T																			
PCB 64	MG/KG	T																			
PCB 66	MG/KG	T																			
PCB 67	MG/KG	T																			
PCB 68	MG/KG	T																			
PCB 7	MG/KG	T																			
PCB 72	MG/KG	T																			
PCB 73	MG/KG	T																			
PCB 77	MG/KG	T	0.11	MG/KG																	
PCB 78	MG/KG	T																			
PCB 79	MG/KG	T																			
PCB 8	MG/KG	T																			
PCB 80	MG/KG	T																			
PCB 81	MG/KG	T	0.038	MG/KG																	
PCB 82	MG/KG	T																			
PCB 83	MG/KG	T																			
PCB 84	MG/KG	T																			
PCB 88	MG/KG	T																			
PCB 89	MG/KG	T																			
PCB 9	MG/KG	T																			
PCB 91	MG/KG	T																			
PCB 92	MG/KG	T																			
PCB 94	MG/KG	T																			
PCB 95	MG/KG	T																			
PCB 96	MG/KG	T																			
PCB 98	MG/KG	T																			
PCB 99	MG/KG	T																			
PCB-100/93	MG/KG	T																			
PCB-107/124	MG/KG	T																			
PCB-108/119/86/97/125/87	MG/KG	T																			
PCB-113/90/101	MG/KG	T																			
PCB-116/85	MG/KG	T																			
PCB-128/166	MG/KG	T																			
PCB-13/12	MG/KG	T																			
PCB-139/140	MG/KG	T																			
PCB-147/149	MG/KG	T																			
PCB-151/135	MG/KG	T																			
PCB-153/168	MG/KG	T																			
PCB-156/157	MG/KG	T																			
PCB-163/138/129	MG/KG	T																			

EPA\_SL\_IndSoil\_05/12

< and ND = Non detect at stated reporting limit

**Table A-4**  
**Summary of Surface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Facility, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB01	S25SB02	S27SB01	S27SB02	S27SB04	S27SB06	S28SB01	S28SB02	S28SB03	S28SB03	S28SB05	S28SB06	S28SB07	S28SB08	S28SB09	
				Date	5/18/10	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/5/08	5/5/08	5/6/08	5/6/08	5/7/08	5/7/08	5/6/08	5/6/08	5/6/08	5/6/08
				Top (ft)	0	1	0	0	0	1	1	1.5	1.5	1.5	1	0	1	1	1	0
				Bottom (ft)	2	3	2	2	2	3	3	3.5	3.5	3.5	2.5	2	3	3	3	2
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
PCB-171/173	MG/KG	T																		
PCB-180/193	MG/KG	T																		
PCB-198/199	MG/KG	T																		
PCB-21/33	MG/KG	T																		
PCB-26/29	MG/KG	T																		
PCB-28/20	MG/KG	T																		
PCB-30/18	MG/KG	T																		
PCB-44/47/65	MG/KG	T																		
PCB-50/53	MG/KG	T																		
PCB-59/62/75	MG/KG	T																		
PCB-61/70/74/76	MG/KG	T																		
PCB-69/49	MG/KG	T																		
PCB-71/40	MG/KG	T																		
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T																		
ALUMINUM	MG/KG	T	990000	MG/KG	16100	19400														
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.13)	ND (1.17)														
ARSENIC	MG/KG	T	1.6	MG/KG	^4.25	^5.9														
BARIIUM	MG/KG	T	190000	MG/KG	40.6	44.2														
BERYLLIUM	MG/KG	T	2000	MG/KG	0.57	0.572 J														
CADMIUM	MG/KG	T	800	MG/KG	0.536 J	0.55 J														
CALCIUM	MG/KG	T			4860	824														
CHROMIUM	MG/KG	T			23.9	28.9														
COBALT	MG/KG	T	300	MG/KG	6.85	5.7														
COPPER	MG/KG	T	41000	MG/KG	16.8	13.2														
IRON	MG/KG	T	720000	MG/KG	20900	25500														
LEAD	MG/KG	T	800	MG/KG	15.1	13.2														
MAGNESIUM	MG/KG	T			1690	2500														
MANGANESE	MG/KG	T	23000	MG/KG	159	182														
MERCURY	MG/KG	T	43	MG/KG	ND (0.0122)	ND (0.013)														
NICKEL	MG/KG	T	20000	MG/KG	10.6	11.3														
POTASSIUM	MG/KG	T			1370	1530														
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.11)	ND (1.15)														
SILVER	MG/KG	T	5100	MG/KG	0.769	0.929														
SODIUM	MG/KG	T			1570	1110														
THALLIUM	MG/KG	T	10	MG/KG	ND (1.64)	ND (1.7)														
TITANIUM	MG/KG	T			707 J	839 J														
VANADIUM	MG/KG	T			35.5	42.3														
ZINC	MG/KG	T	310000	MG/KG	31.7	55.7														
C19 to C36 Aliphatics	MG/KG	T																		
TOTAL ORGANIC CARBON	MG/KG	T					382 J	ND (273)	ND (286)	3900 J	ND (371)	ND (300)	ND (347)	ND (328)	ND (530)	ND (25400)	ND (387)	15800	ND (388)	
TPH-DRO	MG/KG	T																		
HPCDFS	MG/KG	T																		
ORO >C28 - C35	MG/KG	T																		



**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-23	S01SB01	S01SB02	S01SB04	S01SB06	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB01
					5/4/10	4/29/08	4/28/08	4/29/08	4/29/08	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08
					6	11	12	8.5	9.5	6	7	10.5	9.5	8	2
					8	13	14	10.5	11.5	8	9	12.5	11.5	10	4
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
2-HEXANONE	UG/KG	T	1400000	UG/KG		ND (3)	ND (3)	ND (3)	5 J	ND (3)	ND (3)	ND (150)	ND (3)	ND (3)	ND (3)
ACETONE	UG/KG	T	630000000	UG/KG		10 J	8 J	ND (7)	31	26	53	ND (350)	10 J	78	ND (7)
BENZENE	UG/KG	T	5400	UG/KG		ND (0.6)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1 J	34 J	ND (0.5)	ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG		1 J	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	ND (1)	4 J	ND (0.9)
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	ND (1)	ND (1)	ND (0.9)
CHLOROBENZENE	UG/KG	T	1400000	UG/KG		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	ND (1)	ND (1)	ND (0.9)
CHLOROFORM	UG/KG	T	1500	UG/KG		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	2 J	ND (50)	15	7	ND (0.9)
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	ND (1)	ND (1)	ND (0.9)
CUMENE	UG/KG	T	11000000	UG/KG											
ETHYLBENZENE	UG/KG	T	27000	UG/KG		ND (1)	ND (1)	ND (1)	8	ND (1)	ND (1)	2800	ND (1)	ND (1)	ND (0.9)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG		ND (5)	ND (4)	ND (4)	ND (4)	ND (4)	7 J	ND (200)	ND (4)	10	ND (4)
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG		ND (2)	4 J	ND (2)	ND (2)	ND (2)	ND (2)	ND (100)	ND (2)	13	ND (2)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG		ND (1)	ND (1)	ND (1)	1 J	ND (1)	ND (1)	ND (50)	ND (1)	1 J	ND (0.9)
TOLUENE	UG/KG	T	45000000	UG/KG		ND (1)	ND (1)	ND (1)	5	ND (1)	6	2300	ND (1)	ND (1)	ND (0.9)
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG		ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (50)	ND (1)	ND (1)	ND (0.9)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG		ND (1)	ND (1)	ND (1)	1 J	ND (1)	ND (1)	ND (50)	ND (1)	ND (1)	ND (0.9)
XYLENES	UG/KG	T	2700000	UG/KG		ND (1)	ND (1)	ND (1)	44	ND (1)	5	18000	ND (1)	ND (1)	ND (0.9)
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG	ND (85)	ND (74)	ND (76)	ND (76)	ND (80)	ND (79)	ND (79)	ND (78)	ND (80)	ND (79)	ND (77)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	600	ND (39)	ND (39)	210	ND (40)	ND (39)	ND (38)
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG	ND (85)	ND (74)	ND (76)	ND (76)	ND (80)	ND (79)	ND (79)	ND (78)	ND (80)	ND (79)	ND (77)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
ACENAPHTHYLENE	UG/KG	T			ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	64 J	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	70 J	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	52 J	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	3800	120 J	ND (76)	ND (76)	ND (80)	ND (79)	ND (79)	ND (78)	ND (80)	ND (79)	160 J
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (85)	ND (74)	ND (76)	ND (76)	ND (80)	ND (79)	ND (79)	ND (78)	ND (80)	ND (79)	ND (77)
CARBAZOLE	UG/KG	T			ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
CHRYSENE	UG/KG	T	210000	UG/KG	71 J	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (85)	ND (74)	ND (76)	ND (76)	ND (80)	ND (79)	ND (79)	ND (78)	ND (80)	ND (79)	ND (77)
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG	ND (85)	ND (74)	ND (76)	ND (76)	ND (80)	ND (79)	ND (79)	ND (78)	ND (80)	ND (79)	ND (77)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	130 J	ND (37)	ND (38)	53 J	ND (40)	67 J	58 J	ND (39)	ND (40)	44 J	ND (38)
FLUORENE	UG/KG	T	22000000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	840	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	41 J	ND (38)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	290	ND (39)	ND (39)	330	ND (40)	ND (39)	ND (38)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
PHENANTHRENE	UG/KG	T			110 J	ND (37)	ND (38)	45 J	ND (40)	ND (39)	65 J	ND (39)	ND (40)	ND (39)	ND (38)
PHENOL	UG/KG	T	180000000	UG/KG	ND (42)	ND (37)	ND (38)	ND (38)	ND (40)	ND (39)	ND (39)	ND (39)	ND (40)	ND (39)	ND (38)
PYRENE	UG/KG	T	17000000	UG/KG	110 J	ND (37)	41 J	46 J	ND (40)	63 J	47 J	ND (39)	ND (40)	ND (39)	ND (38)
1,2,3,4,6,7,8-HPCDD	MG/KG	T						0.0000405	0.000375						0.0000078 J
1,2,3,4,6,7,8-HPCDF	MG/KG	T						0.0000146	0.00000777 J						ND (0.00000205)
1,2,3,4,7,8,9-HPCDF	MG/KG	T						0.00000157 J	ND (0.00000246) UJ						ND (0.00000279)
1,2,3,4,7,8-HXCDD	MG/KG	T						0.00000462 EMPC J	0.00000101 J						ND (0.00000239)
1,2,3,4,7,8-HXCDF	MG/KG	T						0.00000163 J	ND (0.00000246) UJ						ND (0.00000138)
1,2,3,6,7,8-HXCDD	MG/KG	T						0.00000592 EMPC J	0.00000279						ND (0.00000234)
1,2,3,6,7,8-HXCDF	MG/KG	T						0.000000929 J	ND (0.00000246) UJ						ND (0.00000111)

EPA\_SL\_IndSoil\_05/12

< and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		MW-23	S01SB01	S01SB02	S01SB04	S01SB06	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB01
				Date	5/4/10	4/29/08	4/28/08	4/29/08	4/29/08	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08	
				Top (ft)	6	11	12	8.5	9.5	6	7	10.5	9.5	8	2	
				Bottom (ft)	8	13	14	10.5	11.5	8	9	12.5	11.5	10	4	
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,2,3,7,8,9-HXCDD	MG/KG	T						0.00000706 EMPC J	0.00000369							ND (0.00000255)
1,2,3,7,8,9-HXCDF	MG/KG	T						0.00000351 EMPC J	ND (0.00000167)							ND (0.00000184)
1,2,3,7,8-PECDD	MG/KG	T						ND (0.00000247) UJ	ND (0.00000246) UJ							ND (0.00000264)
1,2,3,7,8-PECDF	MG/KG	T						0.00000391 EMPC J	ND (0.00000246) UJ							ND (0.00000255)
2,3,4,6,7,8-HXCDF	MG/KG	T						0.00000797 J	ND (0.00000127)							ND (0.00000134)
2,3,4,7,8-PECDF	MG/KG	T						0.00000382 J	ND (0.00000016)							ND (0.00000221)
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG				0.000000689 J	0.000000733 J							ND (0.00000154)
2,3,7,8-TCDF	MG/KG	T						0.00000167 J	0.000000931 J							ND (0.00000095)
HPCDD	MG/KG	T						0.0000899	0.000637							0.00000177
HXCDD	MG/KG	T						0.0000113 EMPC	0.0000383							0.00000251 EMPC
HXCDFS	MG/KG	T						0.0000087 EMPC	0.00000548 EMPC							ND (0.00000138)
OCDD	MG/KG	T						0.00284	0.0269 J							0.0000119
OCDF	MG/KG	T						0.0000577	0.00000736							0.00000118 J
TCDD	MG/KG	T						0.00000105 EMPC	0.00000125 EMPC							ND (0.00000154)
TCDFS	MG/KG	T						0.00000283 EMPC	0.000000672 EMPC							ND (0.00000095)
TOTAL HPCDD	MG/KG	T														
TOTAL HPCDF	MG/KG	T														
TOTAL HXCDD	MG/KG	T														
TOTAL HXCDF	MG/KG	T														
TOTAL PECDD	MG/KG	T														
TOTAL PECDD	MG/KG	T						0.00000279 EMPC	0.00000415 EMPC							ND (0.00000264)
TOTAL PECDF	MG/KG	T														
TOTAL PECDFS	MG/KG	T						0.00000375 EMPC	0.000000112							ND (0.00000237)
PCB 1	MG/KG	T						0.000000843 EMPC	ND (0.000000997)							ND (0.00000129)
PCB 10	MG/KG	T						ND (0.00000243)	ND (0.00000268)							ND (0.0000028)
PCB 102	MG/KG	T						ND (0.00000292)	ND (0.00000396)							ND (0.00000195)
PCB 103	MG/KG	T						ND (0.00000308)	ND (0.00000416)							ND (0.00000193)
PCB 104	MG/KG	T						ND (0.00000219)	ND (0.00000251)							ND (0.00000102)
PCB 105	MG/KG	T	0.38	MG/KG				0.00000046 EMPCJ	0.00000112							0.000000996
PCB 106	MG/KG	T						ND (0.00000242)	ND (0.00000328)							ND (0.00000161)
PCB 109	MG/KG	T						ND (0.0000023)	ND (0.00000312)							ND (0.00000149)
PCB 11	MG/KG	T						0.00000605 B	0.0000067 B							0.0000158 B
PCB 110	MG/KG	T						0.00000193 B	0.00000386 B							0.00000588
PCB 111	MG/KG	T						ND (0.00000237)	ND (0.00000321)							ND (0.00000153)
PCB 112	MG/KG	T						ND (0.00000245)	ND (0.00000332)							ND (0.00000164)
PCB 114	MG/KG	T	0.38	MG/KG				ND (0.00000228)	ND (0.00000313)							ND (0.0000015)
PCB 115	MG/KG	T						ND (0.00000245)	ND (0.00000332)							ND (0.00000149)
PCB 117	MG/KG	T						ND (0.00000266)	ND (0.00000361)							ND (0.00000164)
PCB 118	MG/KG	T	0.38	MG/KG				0.00000135 B	0.00000223 B							0.00000197 EMPC
PCB 120	MG/KG	T						ND (0.00000233)	ND (0.00000316)							ND (0.00000152)
PCB 121	MG/KG	T						ND (0.00000243)	ND (0.00000329)							ND (0.00000155)
PCB 122	MG/KG	T						ND (0.00000242)	ND (0.00000332)							ND (0.00000164)
PCB 123	MG/KG	T	0.38	MG/KG				ND (0.00000248)	ND (0.00000336)							ND (0.00000161)
PCB 126	MG/KG	T	0.00011	MG/KG				ND (0.00000224)	ND (0.00000392)							ND (0.00000148)
PCB 127	MG/KG	T						ND (0.00000218)	ND (0.00000329)							ND (0.00000146)
PCB 130	MG/KG	T						ND (0.00000308)	ND (0.00000389)							ND (0.00000163)
PCB 131	MG/KG	T						ND (0.00000305)	ND (0.00000386)							0.00000166
PCB 132	MG/KG	T						0.00000565 B	0.00000132 B							0.00000348
PCB 133	MG/KG	T						ND (0.00000288)	ND (0.00000364)							ND (0.00000152)
PCB 134	MG/KG	T						ND (0.00000336)	ND (0.00000425)							ND (0.00000175)
PCB 136	MG/KG	T						ND (0.00000217)	ND (0.00000273)							0.00000126
PCB 137	MG/KG	T						ND (0.00000261)	ND (0.0000033)							ND (0.00000143)
PCB 14	MG/KG	T						ND (0.00000319)	ND (0.0000036)							ND (0.00000369)

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB02	S01SB04	S01SB06	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB01
				Date	5/4/10	4/29/08	4/28/08	4/29/08	4/29/08	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08
				Top (ft)	6	11	12	8.5	9.5	6	7	10.5	9.5	8	2
				Bottom (ft)	8	13	14	10.5	11.5	8	9	12.5	11.5	10	4
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	MG/KG	T						ND (0.00000278)	0.00000109						0.00000105
PCB 142	MG/KG	T						ND (0.00000304)	ND (0.00000384)						ND (0.00000164)
PCB 143	MG/KG	T						ND (0.00000272)	ND (0.00000344)						ND (0.00000151)
PCB 144	MG/KG	T						ND (0.00000269)	ND (0.0000034)						ND (0.00000143)
PCB 145	MG/KG	T						ND (0.00000213)	ND (0.00000268)						ND (0.00000118)
PCB 146	MG/KG	T						ND (0.00000264)	ND (0.00000334)						0.000000871
PCB 148	MG/KG	T						ND (0.00000281)	ND (0.00000355)						ND (0.00000149)
PCB 15	MG/KG	T						0.00000324 B	0.00000287 B						ND (0.00000399)
PCB 150	MG/KG	T						ND (0.00000206)	ND (0.00000259)						ND (0.00000113)
PCB 152	MG/KG	T						ND (0.00000204)	ND (0.00000256)						ND (0.0000011)
PCB 154	MG/KG	T						ND (0.00000243)	ND (0.00000308)						ND (0.00000128)
PCB 155	MG/KG	T						ND (0.00000205)	ND (0.00000257)						ND (0.00000108)
PCB 158	MG/KG	T						ND (0.00000198)	ND (0.0000025)						0.000000905
PCB 159	MG/KG	T						ND (0.00000193)	ND (0.00000331)						ND (0.00000169)
PCB 16	MG/KG	T						0.00000344 B	0.00000255 B						ND (0.00000268)
PCB 162	MG/KG	T						ND (0.00000184)	ND (0.00000316)						ND (0.00000162)
PCB 164	MG/KG	T						ND (0.00000218)	ND (0.00000275)						ND (0.00000114)
PCB 165	MG/KG	T						ND (0.00000228)	ND (0.00000288)						ND (0.00000121)
PCB 167	MG/KG	T	0.38	MG/KG				ND (0.00000196)	ND (0.00000336)						ND (0.00000171)
PCB 169	MG/KG	T	0.00038	MG/KG				ND (0.00000212)	ND (0.00000326)						ND (0.00000185)
PCB 17	MG/KG	T						0.00000325 B	0.00000294 B						ND (0.00000226)
PCB 170	MG/KG	T						ND (0.00000378)	0.0000014						0.00000275
PCB 172	MG/KG	T						ND (0.00000389)	ND (0.00000554)						ND (0.00000233)
PCB 174	MG/KG	T						ND (0.00000382)	0.00000145						0.00000349
PCB 175	MG/KG	T						ND (0.00000376)	ND (0.00000535)						ND (0.00000223)
PCB 176	MG/KG	T						ND (0.00000242)	ND (0.00000347)						ND (0.00000131)
PCB 177	MG/KG	T						ND (0.00000389)	ND (0.00000554)						0.00000175
PCB 178	MG/KG	T						ND (0.00000327)	ND (0.00000469)						ND (0.00000183)
PCB 179	MG/KG	T						ND (0.0000026)	0.000000885						0.00000137
PCB 181	MG/KG	T						ND (0.00000365)	ND (0.00000519)						ND (0.00000217)
PCB 182	MG/KG	T						ND (0.00000353)	ND (0.00000502)						ND (0.00000211)
PCB 183	MG/KG	T						ND (0.00000359)	0.000000814						0.00000175
PCB 184	MG/KG	T						ND (0.00000263)	ND (0.00000376)						ND (0.00000143)
PCB 185	MG/KG	T						ND (0.00000381)	ND (0.00000542)						ND (0.00000234)
PCB 186	MG/KG	T						ND (0.00000259)	ND (0.00000372)						ND (0.00000137)
PCB 187	MG/KG	T						0.00000151	0.00000205						0.00000376
PCB 188	MG/KG	T						ND (0.00000252)	ND (0.00000362)						ND (0.00000123)
PCB 189	MG/KG	T	0.38	MG/KG				0.00000446 J	ND (0.00000345)						ND (0.00000143)
PCB 19	MG/KG	T						0.000000844	0.000000803 EMPC						ND (0.00000223)
PCB 190	MG/KG	T						ND (0.00000269)	ND (0.00000435)						0.00000439 EMPC
PCB 191	MG/KG	T						ND (0.00000283)	ND (0.00000403)						ND (0.0000017)
PCB 194	MG/KG	T						0.00000214	0.00000197						0.00000145
PCB 195	MG/KG	T						0.000000528	ND (0.00000062)						ND (0.00000214)
PCB 196	MG/KG	T						0.00000187	ND (0.00000515)						0.00000074
PCB 197	MG/KG	T						ND (0.00000203)	ND (0.00000405)						ND (0.00000151)
PCB 2	MG/KG	T						0.00000104	ND (0.00000447)						ND (0.00000134)
PCB 200	MG/KG	T						ND (0.00000204)	ND (0.00000405)						ND (0.00000151)
PCB 201	MG/KG	T						0.00000104	ND (0.00000399)						ND (0.00000149)
PCB 202	MG/KG	T						0.00000171	0.000000868						ND (0.00000154)
PCB 203	MG/KG	T						0.00000235	0.00000117						0.00000103
PCB 204	MG/KG	T						ND (0.00000217)	ND (0.00000431)						ND (0.00000159)
PCB 205	MG/KG	T						0.00000498	ND (0.00000461)						ND (0.00000156)
PCB 206	MG/KG	T						0.0000258	0.0000337						ND (0.00000486)

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB02	S01SB04	S01SB06	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB01
				Date	5/4/10	4/29/08	4/28/08	4/29/08	4/29/08	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08
				Top (ft)	6	11	12	8.5	9.5	6	7	10.5	9.5	8	2
				Bottom (ft)	8	13	14	10.5	11.5	8	9	12.5	11.5	10	4
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 207	MG/KG	T						0.0000101	ND (0.00000062)						ND (0.000000333)
PCB 208	MG/KG	T						0.0000125	0.00000693						ND (0.00000035)
PCB 209	MG/KG	T						0.000189	0.000146						0.00000649
PCB 22	MG/KG	T						0.00000266 B	0.00000179 B						0.000000403 EMPC
PCB 23	MG/KG	T						ND (0.000000413)	ND (0.000000483)						ND (0.000000207)
PCB 24	MG/KG	T						ND (0.000000289)	ND (0.000000487)						ND (0.000000174)
PCB 25	MG/KG	T						ND (0.000000377)	ND (0.000000441)						ND (0.000000186)
PCB 27	MG/KG	T						0.00000039 EMPC	ND (0.000000461)						ND (0.000000164)
PCB 3	MG/KG	T						0.00000219	ND (0.000000406)						ND (0.000000129)
PCB 31	MG/KG	T						0.00000581 B	0.00000433 B						0.000000943 B
PCB 32	MG/KG	T						0.00000226 B	0.00000172 B						ND (0.00000016)
PCB 34	MG/KG	T						ND (0.000000407)	ND (0.000000476)						ND (0.000000204)
PCB 35	MG/KG	T						ND (0.000000408)	ND (0.000000478)						0.000000676
PCB 36	MG/KG	T						ND (0.000000386)	ND (0.000000451)						ND (0.000000194)
PCB 37	MG/KG	T						0.00000127	0.00000115						0.000000338
PCB 38	MG/KG	T						ND (0.000000422)	ND (0.000000493)						ND (0.000000209)
PCB 39	MG/KG	T						ND (0.000000391)	ND (0.000000458)						ND (0.000000192)
PCB 4	MG/KG	T						0.000003 B	0.00000285 B						ND (0.000000396)
PCB 41	MG/KG	T						ND (0.000000323)	ND (0.000000435)						ND (0.000000242)
PCB 42	MG/KG	T						0.000000744 EMPC	ND (0.000000391)						ND (0.000000211)
PCB 43	MG/KG	T						ND (0.000000346)	ND (0.000000466)						ND (0.000000237)
PCB 45	MG/KG	T						ND (0.000000342)	ND (0.000000461)						ND (0.000000255)
PCB 46	MG/KG	T						ND (0.000000322)	ND (0.000000434)						ND (0.000000239)
PCB 48	MG/KG	T						0.000000752 B	ND (0.000000374)						ND (0.0000002)
PCB 5	MG/KG	T						0.000000696	ND (0.000000445)						ND (0.00000045)
PCB 51	MG/KG	T						ND (0.000000235)	ND (0.000000316)						ND (0.000000172)
PCB 52	MG/KG	T						0.00000282 B	0.00000386 B						0.00000172
PCB 54	MG/KG	T						ND (0.000000203)	ND (0.000000307)						ND (0.000000107)
PCB 55	MG/KG	T						ND (0.000000262)	ND (0.000000405)						ND (0.000000182)
PCB 56	MG/KG	T						0.000000757 B	0.000000625 B						0.000000372
PCB 57	MG/KG	T						ND (0.000000258)	ND (0.000000399)						ND (0.000000176)
PCB 58	MG/KG	T						ND (0.000000262)	ND (0.000000405)						ND (0.000000176)
PCB 6	MG/KG	T						0.000002 B	0.00000184 B						ND (0.000000433)
PCB 60	MG/KG	T						ND (0.000000248)	ND (0.000000383)						ND (0.000000177)
PCB 63	MG/KG	T						ND (0.000000234)	ND (0.000000362)						ND (0.00000016)
PCB 64	MG/KG	T						0.00000112 B	0.00000112 B						0.000000332 EMPC
PCB 66	MG/KG	T						0.00000124 B	0.0000012 B						0.000000728
PCB 67	MG/KG	T						ND (0.000000242)	ND (0.000000373)						ND (0.00000016)
PCB 68	MG/KG	T						ND (0.000000242)	ND (0.000000374)						ND (0.000000163)
PCB 7	MG/KG	T						ND (0.000000368)	ND (0.000000415)						ND (0.00000043)
PCB 72	MG/KG	T						ND (0.000000252)	ND (0.000000389)						ND (0.000000168)
PCB 73	MG/KG	T						ND (0.000000201)	ND (0.000000271)						ND (0.000000155)
PCB 77	MG/KG	T	0.11	MG/KG				ND (0.000000247)	ND (0.000000389)						ND (0.00000017)
PCB 78	MG/KG	T						ND (0.000000255)	ND (0.000000394)						ND (0.00000018)
PCB 79	MG/KG	T						ND (0.000000224)	ND (0.000000345)						ND (0.000000156)
PCB 8	MG/KG	T						0.000000874 B	0.0000104 B						ND (0.000000428)
PCB 80	MG/KG	T						ND (0.000000226)	ND (0.000000349)						ND (0.000000156)
PCB 81	MG/KG	T	0.038	MG/KG				ND (0.000000246)	ND (0.000000379)						ND (0.000000175)
PCB 82	MG/KG	T						ND (0.000000384)	ND (0.00000052)						ND (0.000000245)
PCB 83	MG/KG	T						ND (0.000000418)	ND (0.000000566)						ND (0.000000253)
PCB 84	MG/KG	T						ND (0.000000365)	ND (0.000000494)						0.00000135
PCB 88	MG/KG	T						ND (0.000000386)	ND (0.000000523)						ND (0.000000224)
PCB 89	MG/KG	T						ND (0.000000341)	ND (0.000000462)						ND (0.000000224)

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	MW-23	S01SB01	S01SB02	S01SB04	S01SB06	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB01
					5/4/10	4/29/08	4/28/08	4/29/08	4/29/08	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08
					6	11	12	8.5	9.5	6	7	10.5	9.5	8	2
					8	13	14	10.5	11.5	8	9	12.5	11.5	10	4
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 9	MG/KG	T					0.00000958	0.0000011							0.00000311 B
PCB 91	MG/KG	T					ND (0.00000288)	ND (0.0000039)							0.00000805
PCB 92	MG/KG	T					ND (0.00000323)	ND (0.00000437)							0.00000631
PCB 94	MG/KG	T					ND (0.0000035)	ND (0.00000474)							ND (0.00000225)
PCB 95	MG/KG	T					0.0000019 B	0.00000292 B							0.00000532
PCB 96	MG/KG	T					ND (0.00000245)	ND (0.00000281)							ND (0.00000117)
PCB 98	MG/KG	T					ND (0.00000351)	ND (0.00000475)							ND (0.00000217)
PCB 99	MG/KG	T					0.00000988 EMPC	0.0000103 EMPC							0.00000119
PCB-100/93	MG/KG	T					ND (0.00000321)	ND (0.00000434)							ND (0.00000199)
PCB-107/124	MG/KG	T					ND (0.00000239)	ND (0.00000323)							ND (0.00000159)
PCB-108/119/86/97/125/87	MG/KG	T					0.0000017	ND (0.00000379)							0.00000219 B
PCB-113/90/101	MG/KG	T					0.00000198 B	0.00000362 B							0.00000231 EMPC
PCB-116/85	MG/KG	T					ND (0.00000271)	ND (0.00000367)							ND (0.00000187)
PCB-128/166	MG/KG	T					ND (0.00000214)	ND (0.00000368)							0.00000141
PCB-13/12	MG/KG	T					ND (0.00000375)	ND (0.00000424)							ND (0.00000438)
PCB-139/140	MG/KG	T					ND (0.00000269)	ND (0.00000341)							ND (0.00000142)
PCB-147/149	MG/KG	T					0.00000168 B	0.00000409 B							0.00000736
PCB-151/135	MG/KG	T					ND (0.00000282)	0.00000149 EMPC							0.00000316
PCB-153/168	MG/KG	T					0.0000014 B	0.00000363 B							0.00000318
PCB-156/157	MG/KG	T					ND (0.00000267)	ND (0.00000445)							0.00000523 EMPCJ
PCB-163/138/129	MG/KG	T					0.00000155 B	0.00000525 B							0.00000666
PCB-171/173	MG/KG	T					ND (0.00000401)	ND (0.00000571)							0.00000093
PCB-180/193	MG/KG	T					0.00000155	0.00000347							0.00000545
PCB-198/199	MG/KG	T					0.00000414	0.00000388							0.00000128 EMPC
PCB-21/33	MG/KG	T					0.00000437 B	0.00000268 B							0.00000692
PCB-26/29	MG/KG	T					0.00000119 B	0.000000871 B							ND (0.00000201)
PCB-28/20	MG/KG	T					0.00000751 B	0.0000051 B							0.0000011 B
PCB-30/18	MG/KG	T					0.00000672 B	0.00000751 B							0.00000749 B
PCB-44/47/65	MG/KG	T					0.00000325 B	0.00000354 B							0.00000146
PCB-50/53	MG/KG	T					0.00000045	ND (0.00000352)							ND (0.00000194)
PCB-59/62/75	MG/KG	T					ND (0.00000201)	ND (0.00000027)							ND (0.00000015)
PCB-61/70/74/76	MG/KG	T					0.00000245 B	0.00000332 B							0.00000166
PCB-69/49	MG/KG	T					0.0000016 B	0.00000177 B							0.00000462 EMPC
PCB-71/40	MG/KG	T					0.00000926 B	0.00000141 B							0.00000257 EMPC
TOTAL DICHLOOROBIPHENYLS (CONGEN)	MG/KG	T					0.0000247 B	0.0000258 B							0.0000189 B
TOTAL HEPTACHLOOROBIPHENYLS (CON)	MG/KG	T					0.00000351	0.0000101							0.0000217 EMPC
TOTAL HEXACHLOOROBIPHENYLS (CON)	MG/KG	T					0.00000519 B	0.0000169 B							0.00003 EMPC
TOTAL MONOCHLOOROBIPHENYLS (CON)	MG/KG	T					0.00000408 EMPC	ND (0.00000702)							ND (0.00000129)
TOTAL NONACHLOOROBIPHENYLS (CON)	MG/KG	T					0.0000483	0.0000407							ND (0.00000418)
TOTAL OCTACHLOOROBIPHENYLS (CON)	MG/KG	T					0.0000143	0.00000789							0.0000045 EMPC
TOTAL PENTACHLOOROBIPHENYLS (CON)	MG/KG	T					0.0000103 B	0.0000148 B							0.0000226 B
TOTAL TETRACHLOOROBIPHENYLS (CON)	MG/KG	T					0.0000161 B	0.0000169 B							0.00000699 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGE)	MG/KG	T					0.0000397 B	0.0000314 B							0.0000049 B
ALUMINIUM	MG/KG	T	990000	MG/KG	13300	5470	9450	8140	18400	10700	12000	16600	14800	11700	9320
ANTIMONY	MG/KG	T	410	MG/KG	7.74 J	ND (1.01) UJ	ND (1.02) UJ	ND (1.01) UJ	ND (1.09) UJ	ND (1.15)	ND (1.14)	ND (1.17)	ND (1.18) UJ	ND (1.16) UJ	ND (1.02) UJ
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 3.66	0.933 J	1.36 J	<sup>^</sup> 4.36 J	<sup>^</sup> 3.04 J	1.55 J	<sup>^</sup> 7.39	<sup>^</sup> 6.84	<sup>^</sup> 3.7	<sup>^</sup> 3.26	<sup>^</sup> 2.82 J
BARIIUM	MG/KG	T	190000	MG/KG	59.8	14.7	34.7	37	57.5	30.8	47.9	53.5	67.3	65.4	10.2
BERYLLIUM	MG/KG	T	2000	MG/KG	0.765	0.17 J	0.307 J	0.264 J	ND (0.0818)	1.96	0.804	0.89	0.526 J	0.348 J	1.04
CADMIUM	MG/KG	T	800	MG/KG	0.547 J	ND (0.0726)	0.146 J	0.0794 J	0.337 J	0.512 J	0.411 J	0.264 J	1.11	1.16	ND (0.366)
CALCIUM	MG/KG	T			10800	127	368	494	325	729 J	252 J	223	1610	777	384
CHROMIUM	MG/KG	T			204	9.29	11.2 J	19	40.2	45.8	17	25.8	36.4 J	47.6 J	101 J
COBALT	MG/KG	T	300	MG/KG	4.71	1.17	1.51	2.05	2.69	1.84	4.75	3.34	3.77	3.28	19.1
COPPER	MG/KG	T	41000	MG/KG	49.6	3.92	17.2	37.8	633	637	<sup>^</sup> 93500	4870	375	31.4	38.4 J

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 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	S01SB01	S01SB02	S01SB04	S01SB06	S01SB08	S01SB09	S01SB10	S01SB11	S01SB12	S04SB01
				Date	5/4/10	4/29/08	4/28/08	4/29/08	4/29/08	5/12/10	5/12/10	5/13/10	6/11/10	6/11/10	5/2/08
				Top (ft)	6	11	12	8.5	9.5	6	7	10.5	9.5	8	2
				Bottom (ft)	8	13	14	10.5	11.5	8	9	12.5	11.5	10	4
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
IRON	MG/KG	T	720000	MG/KG	24800	5130	10100	10700	21600	35700	10300	20300	24100	25300	72100
LEAD	MG/KG	T	800	MG/KG	70.4	3.33 J	12.5	42.3 J	43.7 J	176 J	150 J	80.8	143	81.7	6.59
MAGNESIUM	MG/KG	T			6490	150	258	828	1710	419	1230	1610	1650	1710	283
MANGANESE	MG/KG	T	23000	MG/KG	330	33.8	62.6	56.4	87.5	47.1 J	56.5 J	72.8	67.2 J	79.1 J	115
MERCURY	MG/KG	T	43	MG/KG	0.408	ND (0.0118)	ND (0.012)	0.0293 J	0.0723 J	0.142	0.259	0.0357 J	0.135	0.0552 J	0.0487 J
NICKEL	MG/KG	T	20000	MG/KG	12.1	3.66	5.51	5.84	11.4	6.12	14.2	10.1	12.2 J	10.4 J	10.1
POTASSIUM	MG/KG	T			930 J	203 J	290 J	794 J	1330 J	394 J	832 J	1230 J	1010 J	1040 J	127
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.21)	ND (1.09)	ND (1.11) UJ	ND (1.09)	ND (1.18)	ND (1.12)	ND (1.11)	1.56 J			ND (1.1) UJ
SILVER	MG/KG	T	5100	MG/KG		ND (0.19)	0.281 J	ND (0.19)	0.69	ND (0.207)	2.15	ND (0.211)			ND (0.192)
SODIUM	MG/KG	T			130	109 J	76 J	116	44.5 J	ND (42.8)	44.9 J	ND (219)	213	150	233
THALLIUM	MG/KG	T	10	MG/KG	ND (1.79)	ND (0.168)	ND (0.165) UJ	ND (0.168)	0.199 J	ND (1.66)	ND (1.65)	ND (1.7)			ND (0.167)
TITANIUM	MG/KG	T				206	461	521	2960	2170 J	523 J	647			1340
VANADIUM	MG/KG	T			37.6	8.92	15.1	18.9	855	2430	188	758	100	44.7	207
ZINC	MG/KG	T	310000	MG/KG	44.4	32.1	22.7	21.5	40.4	19.2	8.35 J	27.6	40.5	28.2	17.3
C19 to C36 Aliphatics	MG/KG	T													
TOTAL ORGANIC CARBON	MG/KG	T				ND (322)	2250	14700	1340						ND (311)
DRO C10-C28	MG/KG	T													
HPCDFS	MG/KG	T						0.0000209	0.0000015						ND (0.000000238)
ORO >C28 - C35	MG/KG	T													

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S04SB03	S04SB03	S04SB05	S04SB06	S04SB07	S04SB09	S04SB10	S04SB13	S04SB14
					5/1/08	5/1/08	5/1/08	5/2/08	6/4/08	5/11/10	5/10/10	5/11/10	5/10/10
					2	4	3.5	8	8	10	2	8.5	8
					4	6	5.5	10	10	12	4	10.5	10
					FS	FS	FS	FS	FS	FS	FS	FS	FS
1,4-DICHLOROENZENE	UG/KG	T	12000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)	ND (3)	ND (3)	ND (4)	ND (3)				
ACETONE	UG/KG	T	630000000	UG/KG	24	8 J	8 J	ND (8)	ND (7)				
BENZENE	UG/KG	T	5400	UG/KG	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.5)				
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	ND (0.9)	2 J	ND (1)	ND (1)				
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
CHLOROENZENE	UG/KG	T	1400000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
CHLOROFORM	UG/KG	T	1500	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
CUMENE	UG/KG	T	11000000	UG/KG									
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	ND (4)	ND (4)	ND (5)	ND (4)				
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)				
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
TOLUENE	UG/KG	T	4500000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (0.9)	ND (1)	ND (1)	ND (1)				
2,4-DIMETHYLPHENOL	UG/KG	T	1200000	UG/KG	ND (76)	ND (73)	ND (76)	ND (93)	ND (74)	ND (87)		ND (82)	ND (77)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	6200000	UG/KG	ND (76)	ND (73)	ND (76)	ND (93)	ND (74)	ND (87)		ND (82)	ND (77)
ACENAPHTHENE	UG/KG	T	3300000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
ACENAPHTHYLENE	UG/KG	T			ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
ANTHRACENE	UG/KG	T	17000000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	44 J		ND (41)	ND (39)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	56 J		ND (41)	ND (39)
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	2200	110 J	230 J	140 J	ND (74)	ND (87)		ND (82)	ND (77)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (76)	99 J	490	ND (93)	ND (74)	ND (87)		ND (82)	ND (77)
CARBAZOLE	UG/KG	T			ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
CHRYSENE	UG/KG	T	210000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	54 J		ND (41)	ND (39)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
DIETHYL PHTHALATE	UG/KG	T	49000000	UG/KG	ND (76)	ND (73)	ND (76)	ND (93)	ND (74)	ND (87)		ND (82)	ND (77)
DI-N-BUTYL PHTHALATE	UG/KG	T	6200000	UG/KG	ND (76)	ND (73)	89 J	ND (93)	ND (74)	ND (87)		ND (82)	ND (77)
FLUORANTHENE	UG/KG	T	2200000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	89 J		ND (41)	ND (39)
FLUORENE	UG/KG	T	2200000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
HEXACHLOROENZENE	UG/KG	T	1100	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	58 J		ND (41)	ND (39)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	89 J	ND (43)		ND (41)	ND (39)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	230	ND (43)		ND (41)	ND (39)
PHENANTHRENE	UG/KG	T			ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	49 J		ND (41)	ND (39)
PHENOL	UG/KG	T	18000000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	ND (43)		ND (41)	ND (39)
PYRENE	UG/KG	T	17000000	UG/KG	ND (38)	ND (37)	ND (38)	ND (46)	ND (37)	88 J		ND (41)	ND (39)
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000451	0.0000171	0.000049	0.000013	0.000064				
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000135	0.00000237 J	0.00000882 J	ND (0.00000104)	0.00000854 J				
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0000065	0.00000116 J	0.000000237 J	ND (0.000000144)	ND (0.000000181)				
1,2,3,4,7,8-HXCDD	MG/KG	T			ND (0.000000233)	ND (0.000000329)	0.000000819 J	0.000000427 J	ND (0.000000187)				
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000422	0.00000062 J	ND (0.00000022) UJ	ND (0.000000162)	ND (0.000000245)				
1,2,3,6,7,8-HXCDD	MG/KG	T			0.000000822 EMPC J	ND (0.000000353)	0.0000017 J	0.000000788 EMPC J	ND (0.00000019)				
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000112 J	ND (0.000000246) UJ	ND (0.00000022) UJ	ND (0.000000126)	ND (0.000000245)				

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< and ND = Non detect at stated reporting limit

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S04SB03	S04SB03	S04SB05	S04SB06	S04SB07	S04SB09	S04SB10	S04SB13	S04SB14		
				Date	Date											
				Top (ft)	Top (ft)											
				Bottom (ft)	Bottom (ft)											
				Duplicate												
						FS	FS	FS	FS	FS	FS	FS	FS			
1,2,3,7,8,9-HXCDD	MG/KG	T				0.00000119 J	0.000000812 EMPC J	0.00000243	0.00000133 EMPC J	ND (0.000000193)						
1,2,3,7,8,9-HXCDF	MG/KG	T				0.00000147 J	ND (0.000000246) UJ	ND (0.00000022) UJ	ND (0.000000214)	ND (0.000000231)						
1,2,3,7,8-PECDD	MG/KG	T				ND (0.000000251)	ND (0.000000252)	0.0000004 J	ND (0.000000245) UJ	ND (0.000000284)						
1,2,3,7,8-PECDF	MG/KG	T				0.00000203 J	ND (0.000000191)	ND (0.00000022) UJ	ND (0.000000219)	ND (0.000000245)						
2,3,4,6,7,8-HXCDF	MG/KG	T				0.00000152 J	ND (0.000000246) UJ	ND (0.00000022) UJ	ND (0.000000148)	ND (0.000000245)						
2,3,4,7,8-PECDF	MG/KG	T				0.00000129 J	ND (0.000000172)	ND (0.00000022) UJ	ND (0.000000197)	ND (0.000000245)						
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.000000197 J	ND (0.000000233)	0.0000000969 J	ND (0.000000204)	ND (0.000000157)						
2,3,7,8-TCDF	MG/KG	T				0.000000672	0.000000857	0.0000000961 EMPC J	ND (0.000000114)	ND (0.0000000923)						
HPCDD	MG/KG	T				0.000124	0.000052	0.000114	0.0000445	0.000014						
HXCDD	MG/KG	T				0.000038 EMPC	0.0000457 EMPC	0.0000491	0.0000697 EMPC	0.00000396						
HXCDFS	MG/KG	T				0.0000142 EMPC	0.00000209 EMPC	0.00000122 EMPC	0.000000228	0.00000123 EMPC						
OCDD	MG/KG	T				0.00213	0.000851	0.00111	0.000248	0.000753						
OCDF	MG/KG	T				0.000304	0.0000576	0.00000572	ND (0.000000714)	0.0000085						
TCDD	MG/KG	T				0.00000619 EMPC	0.0000185	0.00000166 EMPC	0.0000046 EMPC	ND (0.000000157)						
TCDFS	MG/KG	T				0.00000206 EMPC	0.00000171 EMPC	0.000000798 EMPC	0.000000501	0.000000662 EMPC						
TOTAL HPCDD	MG/KG	T														
TOTAL HPCDF	MG/KG	T														
TOTAL HXCDD	MG/KG	T														
TOTAL HXCDF	MG/KG	T														
TOTAL PECDD	MG/KG	T														
TOTAL PECDD	MG/KG	T														
TOTAL PECDD	MG/KG	T				0.00000769 EMPC	0.0000199	0.00000996 EMPC	0.0000272 EMPC	0.00000107 EMPC						
TOTAL PECDF	MG/KG	T														
TOTAL PECDF	MG/KG	T				0.0000108 EMPC	ND (0.000000181)	0.000000836 EMPC	ND (0.000000208)	0.0000012 EMPC						
TOTAL PECDFS	MG/KG	T														
PCB 1	MG/KG	T				0.0000116	0.00000075	0.0000187 EMPC	ND (0.000000162)	ND (0.000000138)						
PCB 10	MG/KG	T				0.00000125	ND (0.000000252)	0.00000402	ND (0.00000014)	ND (0.000000119)						
PCB 102	MG/KG	T				0.0000348	0.00000298	0.00000498	ND (0.000000153)	ND (0.000000107)						
PCB 103	MG/KG	T				ND (0.000000131)	0.00000183	ND (0.000000283)	ND (0.000000147)	ND (0.0000000975)						
PCB 104	MG/KG	T				ND (0.0000000845)	ND (0.00000012)	ND (0.000000221)	ND (0.0000000817)	ND (0.0000000445)						
PCB 105	MG/KG	T	0.38	MG/KG		0.000656	0.0000503	0.0000363	ND (0.000000108)	0.0000026						
PCB 106	MG/KG	T				ND (0.00000011)	ND (0.000000153)	ND (0.000000227)	ND (0.000000118)	ND (0.0000000791)						
PCB 109	MG/KG	T				0.000107	0.00000751	0.00000741	ND (0.000000112)	ND (0.0000000696)						
PCB 11	MG/KG	T				0.000101	0.0000846	0.000173	0.00000513 B	0.00000324 B						
PCB 110	MG/KG	T				0.00485	0.000311	0.000116	0.000000506	0.00000981						
PCB 111	MG/KG	T				0.00000117 EMPC	ND (0.000000145)	ND (0.000000217)	ND (0.000000113)	ND (0.0000000753)						
PCB 112	MG/KG	T				ND (0.000000111)	ND (0.000000155)	ND (0.000000234)	ND (0.000000121)	ND (0.0000000799)						
PCB 114	MG/KG	T	0.38	MG/KG		ND (0.000000107)	ND (0.000000148)	0.00000287	ND (0.00000011)	ND (0.0000000818)						
PCB 115	MG/KG	T				ND (0.000000101)	ND (0.000000141)	ND (0.00000021)	ND (0.000000109)	ND (0.0000000768)						
PCB 117	MG/KG	T				0.0000235 EMPC	ND (0.000000155)	ND (0.000000238)	ND (0.000000123)	ND (0.0000000786)						
PCB 118	MG/KG	T	0.38	MG/KG		0.00211	0.000149	0.0000826	0.000000308 EMPCJ	0.00000569						
PCB 120	MG/KG	T				0.00000913	ND (0.000000144)	ND (0.000000219)	ND (0.000000113)	ND (0.0000000752)						
PCB 121	MG/KG	T				ND (0.000000106)	ND (0.000000147)	ND (0.000000223)	ND (0.000000116)	ND (0.0000000765)						
PCB 122	MG/KG	T				0.0000164	0.00000127	0.00000137	ND (0.00000012)	ND (0.0000000833)						
PCB 123	MG/KG	T	0.38	MG/KG		ND (0.000000109)	ND (0.000000152)	0.00000193	ND (0.00000012)	ND (0.0000000851)						
PCB 126	MG/KG	T	0.00011	MG/KG		0.00000412 EMPC	ND (0.000000287)	ND (0.00000027)	ND (0.000000141)	ND (0.0000000949)						
PCB 127	MG/KG	T				ND (0.000000102)	ND (0.000000145)	ND (0.000000195)	ND (0.000000107)	ND (0.0000000773)						
PCB 130	MG/KG	T				0.000687	0.0000411	0.00000477	ND (0.000000138)	0.00000104						
PCB 131	MG/KG	T				0.000128	0.00000784	ND (0.000000233)	ND (0.00000014)	ND (0.0000000877)						
PCB 132	MG/KG	T				0.00604	0.000333	0.0000231	0.000000449	0.0000066						
PCB 133	MG/KG	T				0.000235	0.0000118	ND (0.000000215)	ND (0.000000129)	ND (0.0000000819)						
PCB 134	MG/KG	T				0.00093	0.0000526	0.00000416	ND (0.000000153)	0.00000107						
PCB 136	MG/KG	T				0.00403	0.000188	0.00000851	0.000000218	0.00000262						
PCB 137	MG/KG	T				0.000176	0.000015	0.00000291 EMPC	ND (0.000000123)	0.000000525 EMPC						
PCB 14	MG/KG	T				ND (0.000000188)	ND (0.000000396)	ND (0.000000401)	ND (0.000000176)	ND (0.000000177)						

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit



**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S04SB03	S04SB03	S04SB05	S04SB06	S04SB07	S04SB09	S04SB10	S04SB13	S04SB14
				Date	Date	5/1/08	5/1/08	5/1/08	5/2/08	6/4/08	5/11/10	5/10/10	5/11/10	5/10/10
				Top (ft)	Top (ft)	2	4	3.5	8	8	10	2	8.5	8
				Bottom (ft)	Bottom (ft)	4	6	5.5	10	10	12	4	10.5	10
		Duplicate		FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 141	MG/KG	T				0.00592	0.00034	0.0000121	ND (0.000000124)	0.00000487				
PCB 142	MG/KG	T				ND (0.000000109)	ND (0.000000197)	ND (0.000000234)	ND (0.00000014)	ND (0.000000866)				
PCB 143	MG/KG	T				ND (0.000000101)	ND (0.000000182)	ND (0.000000211)	ND (0.000000126)	ND (0.000000788)				
PCB 144	MG/KG	T				0.0014	0.0000735	0.00000282	ND (0.000000123)	0.00000126				
PCB 145	MG/KG	T				ND (0.0000000875)	ND (0.00000015)	ND (0.000000199)	ND (0.000000982)	ND (0.000000545)				
PCB 146	MG/KG	T				0.00301	0.000163	0.00000987	ND (0.000000115)	0.00000271				
PCB 148	MG/KG	T				0.00000878	ND (0.000000179)	ND (0.000000211)	ND (0.000000127)	ND (0.000000781)				
PCB 15	MG/KG	T				0.0000402	0.00000446	0.00000978	ND (0.000000193)	0.000000613				
PCB 150	MG/KG	T				0.0000027	ND (0.000000143)	ND (0.000000193)	ND (0.000000951)	ND (0.000000538)				
PCB 152	MG/KG	T				0.0000026	ND (0.000000139)	ND (0.000000184)	ND (0.000000906)	ND (0.00000053)				
PCB 154	MG/KG	T				0.000107	0.00000429	ND (0.000000183)	ND (0.00000011)	ND (0.000000671)				
PCB 155	MG/KG	T				ND (0.000000802)	ND (0.000000137)	ND (0.000000183)	ND (0.000000904)	ND (0.000000526)				
PCB 158	MG/KG	T				0.00167	0.000101	0.00000717	ND (0.000000877)	0.0000002				
PCB 159	MG/KG	T				0.000448	0.0000237	ND (0.000000315)	ND (0.000000146)	0.000000383 EMPC				
PCB 16	MG/KG	T				0.0000229	0.00000171	0.00023	ND (0.000000216)	0.000000409				
PCB 162	MG/KG	T				ND (0.00000118)	ND (0.000000422)	ND (0.000000307)	ND (0.000000143)	ND (0.000000867)				
PCB 164	MG/KG	T				0.00142	0.0000819	0.00000504	ND (0.000000962)	0.00000147				
PCB 165	MG/KG	T				ND (0.000000808)	ND (0.000000146)	ND (0.000000173)	ND (0.000000103)	ND (0.000000638)				
PCB 167	MG/KG	T	0.38	MG/KG		0.000455	0.0000294	0.00000273	ND (0.000000153)	0.000000727 J				
PCB 169	MG/KG	T	0.00038	MG/KG		0.0000496	ND (0.00000045)	ND (0.000000327)	ND (0.000000145)	ND (0.000000104)				
PCB 17	MG/KG	T				0.0000208	0.00000189	0.000199	0.00000029 EMPC	0.000000446				
PCB 170	MG/KG	T				0.0093	0.000562	0.0000153	0.000000853 EMPC	0.00000926				
PCB 172	MG/KG	T				0.0016	0.000101	0.00000273	ND (0.000000224)	0.00000169				
PCB 174	MG/KG	T				0.0116	0.00062	0.0000149	0.000000893	0.00000117				
PCB 175	MG/KG	T				0.000431	0.0000255	0.000000599	ND (0.000000206)	0.000000444				
PCB 176	MG/KG	T				0.00166	0.0000836	0.0000022	ND (0.00000011)	0.00000141				
PCB 177	MG/KG	T				0.00635	0.000353	0.00000801	0.000000409	0.00000616				
PCB 178	MG/KG	T				0.00257	0.000133	0.0000038	ND (0.000000151)	0.00000217				
PCB 179	MG/KG	T				0.00601	0.000296	0.0000069	ND (0.000000116)	0.00000471				
PCB 181	MG/KG	T				ND (0.00000181)	ND (0.000000467)	ND (0.000000433)	ND (0.000000204)	ND (0.000001161)				
PCB 182	MG/KG	T				ND (0.00000175)	ND (0.000000452)	ND (0.00000042)	ND (0.000000198)	ND (0.000000156)				
PCB 183	MG/KG	T				0.0059	0.000337	0.00000886	ND (0.000000194)	0.00000667				
PCB 184	MG/KG	T				ND (0.000000907)	ND (0.000000157)	ND (0.000000227)	ND (0.000000121)	ND (0.000000747)				
PCB 185	MG/KG	T				0.00136	0.0000738	0.00000169 EMPC	ND (0.000000212)	0.00000107				
PCB 186	MG/KG	T				ND (0.000000874)	ND (0.000000151)	ND (0.000000213)	ND (0.000000114)	ND (0.000000727)				
PCB 187	MG/KG	T				0.014	0.000755	0.0000209	0.000000934	0.00000138				
PCB 188	MG/KG	T				ND (0.000000078)	ND (0.000000135)	ND (0.000000196)	ND (0.000000105)	ND (0.000000678)				
PCB 189	MG/KG	T	0.38	MG/KG		0.000283	0.0000175	0.00000855 J	ND (0.000000154)	0.000000296 EMPCJ				
PCB 19	MG/KG	T				0.00000805	0.000000508	0.00000357	ND (0.000000179)	ND (0.000000903)				
PCB 190	MG/KG	T				0.00183	0.000111	0.00000325	ND (0.000000162)	0.00000183				
PCB 191	MG/KG	T				0.000358	0.000022	0.000000615	ND (0.00000016)	0.000000363 EMPC				
PCB 194	MG/KG	T				0.00508	0.000316	0.0000114	0.000000702	0.0000054				
PCB 195	MG/KG	T				0.00218	0.000133	0.00000398	ND (0.000000338)	0.00000217				
PCB 196	MG/KG	T				0.00266	0.000175	0.00000573	ND (0.00000027)	0.0000028				
PCB 197	MG/KG	T				0.00018	0.00000927 EMPC	ND (0.000000457)	ND (0.00000021)	0.000000221 EMPC				
PCB 2	MG/KG	T				0.00000685	0.000000622	0.00000381	ND (0.000000901)	ND (0.000000104)				
PCB 200	MG/KG	T				0.00073	0.0000433	ND (0.000000447)	ND (0.000000205)	0.00000089				
PCB 201	MG/KG	T				0.000676	0.0000407	0.00000196	ND (0.000000204)	0.0000008				
PCB 202	MG/KG	T				0.000878	0.0000528	0.00000495	ND (0.000000209)	0.00000148				
PCB 203	MG/KG	T				0.00312	0.000208	0.0000116	ND (0.00000024)	0.0000038				
PCB 204	MG/KG	T				ND (0.000000142)	ND (0.000000168)	ND (0.000000475)	ND (0.000000218)	ND (0.000000742)				
PCB 205	MG/KG	T				0.000236	0.0000151	ND (0.000000735)	ND (0.000000245)	ND (0.000000121)				
PCB 206	MG/KG	T				0.00113	0.0000819	0.0000165	ND (0.00000043)	0.00000464				

EPA\_SL\_IndSoil\_05/12

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S04SB03	S04SB03	S04SB05	S04SB06	S04SB07	S04SB09	S04SB10	S04SB13	S04SB14
					5/1/08	5/1/08	5/1/08	5/2/08	6/4/08	5/11/10	5/10/10	5/11/10	5/10/10
PCB 207	MG/KG	T			0.000157	0.0000121	0.00000172	ND (0.000000312)	0.000000651	EMPC			
PCB 208	MG/KG	T			0.000227	0.0000191	0.00000663	ND (0.000000329)	0.00000154				
PCB 209	MG/KG	T			0.00124	0.000226	0.0000143	ND (0.00000034)	0.0000211				
PCB 22	MG/KG	T			0.0000398	0.00000429	0.000157	ND (0.000000172)	0.000000557	B			
PCB 23	MG/KG	T			ND (0.000000176)	ND (0.000000186)	ND (0.000000448)	ND (0.000000175)	ND (0.000000123)				
PCB 24	MG/KG	T			0.00000114	ND (0.000000158)	0.00000743	ND (0.000000142)	ND (0.0000000711)				
PCB 25	MG/KG	T			0.00000706	0.000000779	0.0000295	ND (0.000000159)	0.000000144				
PCB 27	MG/KG	T			0.00000535	0.000000369	0.0000305	ND (0.000000134)	ND (0.0000000666)				
PCB 3	MG/KG	T			0.0000154	0.00000126	0.0000157	ND (0.0000000839)	0.000000522	EMPC			
PCB 31	MG/KG	T			0.000103	0.0000112	0.000337	0.00000052	B	0.00000137	B		
PCB 32	MG/KG	T			0.0000224	0.00000207	0.000144	ND (0.00000013)	0.000000323				
PCB 34	MG/KG	T			ND (0.000000174)	ND (0.000000184)	0.00000358	ND (0.000000169)	ND (0.000000119)				
PCB 35	MG/KG	T			0.00000288	0.000000697	0.0000045	ND (0.000000174)	ND (0.000000119)				
PCB 36	MG/KG	T			ND (0.000000165)	ND (0.000000174)	ND (0.000000403)	ND (0.000000157)	ND (0.000000112)				
PCB 37	MG/KG	T			0.0000482	0.00000605	0.000119	ND (0.000000167)	0.000000883				
PCB 38	MG/KG	T			ND (0.000000178)	ND (0.000000188)	ND (0.000000449)	ND (0.000000175)	ND (0.000000124)				
PCB 39	MG/KG	T			ND (0.000000164)	ND (0.000000173)	0.00000183	ND (0.00000016)	ND (0.000000113)				
PCB 4	MG/KG	T			0.0000113	0.000000853	0.000088	ND (0.000000201)	0.000000304				
PCB 41	MG/KG	T			0.00000813	0.00000103	EMPC	0.0000213	ND (0.000000177)	ND (0.000000169)			
PCB 42	MG/KG	T			0.0000374	0.00000335	0.000069	ND (0.000000155)	0.000000511				
PCB 43	MG/KG	T			0.00000465	ND (0.00000022)	0.0000123	ND (0.000000185)	ND (0.000000184)				
PCB 45	MG/KG	T			0.0000231	0.00000205	0.0000502	ND (0.00000019)	0.000000221	EMPC			
PCB 46	MG/KG	T			0.00000907	ND (0.000000222)	0.0000197	ND (0.000000173)	ND (0.000000165)				
PCB 48	MG/KG	T			0.0000199	0.0000022	0.0000585	ND (0.000000147)	ND (0.000000137)				
PCB 5	MG/KG	T			0.00000352	ND (0.000000483)	0.00000588	ND (0.000000217)	0.00000127	B			
PCB 51	MG/KG	T			0.00000464	0.000000602	0.00000968	ND (0.000000124)	0.000000181				
PCB 52	MG/KG	T			0.000959	0.000067	0.000201	0.000000454	0.00000323				
PCB 54	MG/KG	T			0.000000359	ND (0.0000000953)	0.000000932	ND (0.0000000795)	ND (0.0000000795)				
PCB 55	MG/KG	T			ND (0.000000273)	ND (0.00000026)	0.00000306	ND (0.000000169)	ND (0.000000178)				
PCB 56	MG/KG	T			0.000089	0.00000905	0.000114	ND (0.000000161)	0.000000993				
PCB 57	MG/KG	T			ND (0.000000263)	ND (0.000000251)	0.00000159	ND (0.000000161)	ND (0.000000167)				
PCB 58	MG/KG	T			ND (0.000000264)	ND (0.000000252)	0.000000659	EMPC	ND (0.000000161)	ND (0.000000168)			
PCB 6	MG/KG	T			0.00000721	ND (0.000000465)	0.0000392	ND (0.000000207)	ND (0.000000209)				
PCB 60	MG/KG	T			0.0000439	0.00000454	0.0000397	ND (0.000000164)	0.00000057				
PCB 63	MG/KG	T			0.00000674	ND (0.000000229)	0.00000957	ND (0.000000149)	ND (0.000000155)				
PCB 64	MG/KG	T			0.0000954	0.0000093	0.0000998	ND (0.000000105)	0.000000947				
PCB 66	MG/KG	T			0.000215	0.0000204	0.000207	ND (0.000000155)	0.00000188				
PCB 67	MG/KG	T			ND (0.000000241)	ND (0.000000229)	0.000085	ND (0.00000015)	ND (0.000000151)				
PCB 68	MG/KG	T			ND (0.000000244)	ND (0.000000233)	0.00000101	EMPC	ND (0.00000015)	ND (0.000000157)			
PCB 7	MG/KG	T			0.00000159	ND (0.000000462)	0.00000753	ND (0.000000207)	ND (0.000000202)				
PCB 72	MG/KG	T			ND (0.000000252)	ND (0.000000241)	0.00000152	ND (0.000000153)	ND (0.00000016)				
PCB 73	MG/KG	T			ND (0.000000121)	ND (0.000000144)	ND (0.000000222)	ND (0.000000108)	ND (0.0000000946)				
PCB 77	MG/KG	T	0.11	MG/KG	0.0000228	0.00000286	0.000023	ND (0.000000161)	0.000000487	J			
PCB 78	MG/KG	T			ND (0.000000271)	ND (0.000000258)	ND (0.000000308)	ND (0.000000164)	ND (0.000000171)				
PCB 79	MG/KG	T			0.000013	0.000000788	ND (0.000000264)	ND (0.000000141)	ND (0.000000144)				
PCB 8	MG/KG	T			0.0000412	0.00000383	0.000214	0.000000704	0.000000847				
PCB 80	MG/KG	T			ND (0.000000234)	ND (0.000000223)	ND (0.00000027)	ND (0.000000144)	ND (0.00000015)				
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.000000262)	ND (0.00000025)	ND (0.000000298)	ND (0.000000159)	ND (0.00000016)				
PCB 82	MG/KG	T			0.000167	0.0000122	0.0000191	ND (0.000000184)	0.000000826				
PCB 83	MG/KG	T			0.000148	ND (0.000000239)	0.00000723	ND (0.000000193)	ND (0.000000134)				
PCB 84	MG/KG	T			0.000609	0.0000438	0.0000346	ND (0.000000176)	0.000002				
PCB 88	MG/KG	T			ND (0.000000153)	ND (0.000000212)	ND (0.000000331)	ND (0.000000172)	ND (0.000000114)				
PCB 89	MG/KG	T			0.0000104	ND (0.000000212)	0.00000302	ND (0.000000166)	ND (0.000000115)				

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S04SB03	S04SB03	S04SB05	S04SB06	S04SB07	S04SB09	S04SB10	S04SB13	S04SB14
				Date	Date	5/1/08	5/1/08	5/1/08	5/2/08	6/4/08	5/11/10	5/10/10	5/11/10	5/10/10
				Top (ft)	Top (ft)	2	4	3.5	8	8	10	2	8.5	8
				Bottom (ft)	Bottom (ft)	4	6	5.5	10	10	12	4	10.5	10
Duplicate	Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS				
PCB 9	MG/KG	T				0.00000733 B	0.00000288 B	0.0000137	0.00000294 B	0.000000492				
PCB 91	MG/KG	T				0.000195	0.0000168	0.0000158	ND (0.000000145)	0.000000821				
PCB 92	MG/KG	T				0.000109	0.0000565	0.0000165	ND (0.000000157)	0.00000108				
PCB 94	MG/KG	T				ND (0.000000153)	ND (0.000000213)	ND (0.000000329)	ND (0.000000171)	ND (0.000000117)				
PCB 95	MG/KG	T				0.00648	0.000362	0.0000774	ND (0.000000162)	0.00000627				
PCB 96	MG/KG	T				0.00000849	0.000000803	0.00000246	ND (0.0000000939)	ND (0.0000000492)				
PCB 98	MG/KG	T				ND (0.000000148)	ND (0.000000205)	ND (0.000000307)	ND (0.000000159)	ND (0.000000104)				
PCB 99	MG/KG	T				0.000846	0.0000608	0.0000451	ND (0.000000133)	0.00000242				
PCB-100/93	MG/KG	T				0.00000847	ND (0.000000189)	0.00000161	ND (0.000000154)	ND (0.000000101)				
PCB-107/124	MG/KG	T				0.0000706	0.00000539	0.00000324	ND (0.000000117)	ND (0.0000000769)				
PCB-108/119/86/97/125/87	MG/KG	T				0.00183	0.000116	0.0000755	0.0000031 B	0.00000401				
PCB-113/90/101	MG/KG	T				0.00769	0.000412	0.0000876	0.000000583	0.00000769				
PCB-116/85	MG/KG	T				0.000221	0.0000182	0.0000219	ND (0.000000136)	0.000000928 EMPC				
PCB-128/166	MG/KG	T				0.00172	0.0001	0.0000107	ND (0.00000017)	0.0000022				
PCB-13/12	MG/KG	T				0.00000564	ND (0.000000471)	0.0000132	ND (0.000000211)	ND (0.000000216)				
PCB-139/140	MG/KG	T				0.0000701	0.00000453	ND (0.000000206)	ND (0.000000124)	ND (0.0000000762)				
PCB-147/149	MG/KG	T				0.0213	0.00109	0.0000468	0.000000952	0.0000192				
PCB-151/135	MG/KG	T				0.0105	0.000539	0.0000188	ND (0.000000127)	0.00000827				
PCB-153/168	MG/KG	T				0.0217	0.00119	0.0000508	0.00000117	0.0000183				
PCB-156/157	MG/KG	T				0.00121	0.0000767	0.00000882	ND (0.000000204)	0.00000178 J				
PCB-163/138/129	MG/KG	T				0.0204	0.00117	0.0000696	0.00000143	0.0000211				
PCB-171/173	MG/KG	T				0.00292	0.000167	0.00000465	ND (0.000000222)	0.00000318				
PCB-180/193	MG/KG	T				0.0226	0.00139	0.0000368	0.00000205	0.0000224				
PCB-198/199	MG/KG	T				0.00559	0.000358	0.0000191	0.000000674	0.00000696				
PCB-21/33	MG/KG	T				0.0000592	0.00000605	0.000025	0.000000331 EMPC	0.000000912 B				
PCB-26/29	MG/KG	T				0.0000157	0.00000185	0.0000608	ND (0.000000168)	0.000000269				
PCB-28/20	MG/KG	T				0.000114	0.0000137	0.000395	0.000000626 B	0.00000151 B				
PCB-30/18	MG/KG	T				0.0000514	0.00000408	0.000434	0.000000609 B	0.000000814 B				
PCB-44/47/65	MG/KG	T				0.000287	0.0000224	0.000223	0.000000819	0.00000253 B				
PCB-50/53	MG/KG	T				0.0000275	0.00000251	0.0000312	ND (0.00000014)	0.000000346 EMPC				
PCB-59/62/75	MG/KG	T				0.0000113	0.00000134	0.0000236	ND (0.000000109)	ND (0.0000000983)				
PCB-61/70/74/76	MG/KG	T				0.000646	0.0000543	0.000361	ND (0.000000156)	0.00000389				
PCB-69/49	MG/KG	T				0.000177	0.000013	0.000128	0.000000256	0.00000107				
PCB-71/40	MG/KG	T				0.0000682	0.0000067	0.00011	ND (0.000000137)	0.000000791				
TOTAL DICHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.00022	0.0000967	0.000656	0.00000877 B	0.00000677 B				
TOTAL HEPTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0888	0.00505	0.000132 EMPC	0.00000513 EMPC	0.0000872 EMPC				
TOTAL HEXACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.104	0.00564	0.000289 EMPC	0.00000422	0.0000961 EMPC				
TOTAL MONOCHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0000339	0.00000263	0.0000382 EMPC	ND (0.000000123)	0.000000522 EMPC				
TOTAL NONACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.00152	0.000113	0.0000249	ND (0.000000379)	0.00000683 EMPC				
TOTAL OCTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0213	0.00135 EMPC	0.0000587	0.00000138	0.0000245 EMPC				
TOTAL PENTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0272	0.00163	0.000664	0.00000449 B	0.0000442 EMPC				
TOTAL TETRACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.00277	0.000223 EMPC	0.00183	0.00000153	0.0000176 EMPC				
TOTAL TRICHLOROBIPHENYLS (CONGEN)	MG/KG	T				0.000522	0.0000552	0.00244	0.00000238 B	0.00000763				
ALUMINUM	MG/KG	T	990000	MG/KG		8800	8340	11800	14700	12900	14200	13500	21500	13400
ANTIMONY	MG/KG	T	410	MG/KG		ND (0.99) UJ	ND (0.985) UJ	ND (0.983) UJ	ND (1.23) UJ	ND (1.11) UJ	2.8	ND (1.05) UJ	ND (1.18)	ND (1.11) UJ
ARSENIC	MG/KG	T	1.6	MG/KG		<sup>^</sup> 2.81 J	<sup>^</sup> 10 J	1.44 J	<sup>^</sup> 5.42 J	<sup>^</sup> 2.17 J	<sup>^</sup> 4	1.4 J	<sup>^</sup> 3.5	<sup>^</sup> 2.39
BARIUM	MG/KG	T	190000	MG/KG		24.9	24.4	45.2	46	29.8	61.8	16	57.5	54.1
BERYLLIUM	MG/KG	T	2000	MG/KG		0.653	1.17	0.48 J	0.713	0.4 J	0.815	0.276 J	0.854	0.556 J
CADMIUM	MG/KG	T	800	MG/KG		ND (0.356)	ND (0.354)	ND (0.0708)	ND (0.0888)	ND (0.156)	0.401 J	ND (0.147)	0.25 J	0.351 J
CALCIUM	MG/KG	T				6740 J	508 J	510 J	714	77.2	1960 J	217	866 J	9180
CHROMIUM	MG/KG	T				34.2	41.7	24	29.3 J	9.54 J	37.4	8.06	35.9	68.3
COBALT	MG/KG	T	300	MG/KG		6.03	24.9	5.19	11.2	0.759	4.93	3.29	6.19	6.58
COPPER	MG/KG	T	41000	MG/KG		14.5	24.5	8.02	12.3 J	9.04 J	96.1	5.66	13.3	19.2

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB03	S04SB03	S04SB05	S04SB06	S04SB07	S04SB09	S04SB10	S04SB13	S04SB14
				Date	5/1/08	5/1/08	5/1/08	5/2/08	6/4/08	5/11/10	5/10/10	5/11/10	5/10/10
				Top (ft)	2	4	3.5	8	8	10	2	8.5	8
				Bottom (ft)	4	6	5.5	10	10	12	4	10.5	10
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS				
IRON	MG/KG	T	720000	MG/KG	24100	60900	9690	16600	11100	19800	8350	28400	22700
LEAD	MG/KG	T	800	MG/KG	37.4	4.56	9.22	7.5	8.21	93.9 J	5	9.26 J	21.6
MAGNESIUM	MG/KG	T			1310	335	1910	3260	294 J	1940	244	2910	5000
MANGANESE	MG/KG	T	23000	MG/KG	102 J	296 J	65.4 J	175	39.2	165 J	43.1 J	131 J	1280 J
MERCURY	MG/KG	T	43	MG/KG	0.105 J	0.0153 J	ND (0.0117)	ND (0.0147)	ND (0.0122)	0.143	ND (0.0119)	0.0199 J	0.0186 J
NICKEL	MG/KG	T	20000	MG/KG	23.4	15.3	11.3	16.4	5.5	13.6	8.04	13.8	12.1
POTASSIUM	MG/KG	T			818 J	331 J	813 J	1640	306 J	1590 J	291 J	1630 J	1250 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.07)	1.53 J	ND (1.07)	ND (1.34) UJ	ND (1.09) UJ	ND (1.27)	ND (1.03)	ND (1.15)	ND (1.09)
SILVER	MG/KG	T	5100	MG/KG	ND (0.186)	ND (0.185)	ND (0.185)	ND (0.232)	ND (0.189)	ND (0.234)	ND (0.19)	ND (0.212)	ND (0.201)
SODIUM	MG/KG	T			48.6 J	ND (37.9)	95.9 J	165	53.5 B	114 J	ND (39.3)	304	143
THALLIUM	MG/KG	T	10	MG/KG	ND (0.166)	ND (0.159)	ND (0.168)	ND (0.205)	ND (0.165)	ND (1.89)	ND (1.53)	1.77 J	ND (1.62)
TITANIUM	MG/KG	T			680	372	638	933	263		168	632 J	1190
VANADIUM	MG/KG	T			53.5	32.5	32.8	40.1	14.4	54	17.3	53.6	39.3
ZINC	MG/KG	T	310000	MG/KG	30.6	27.9	29.2	38.7	19.5	75.8	8.06	44	37.9
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T			ND (372)	ND (410)	ND (313)	ND (375)	ND (341)	8990			
DRO C10-C28	MG/KG	T											
HPCDFS	MG/KG	T			0.0000293	0.00000525	0.00000216	ND (0.000000122)	0.00000116 EMPC				
ORO >C28 - C35	MG/KG	T											

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB02	S05SB03	S05SB04	S05SB07	S05SB09	S05SB10	S05SB12	S05SB13	S05SB15
					6/3/08	6/2/08	6/2/08	5/20/08	5/20/08	6/3/08	5/6/10	5/5/10	5/7/10
					3	5	4.5	13	13	3	5	4.5	4
					5	6.5	6.5	15	15	5	6	6.5	6
					FS	FS	FS	FS	FS	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (39)	ND (40)	ND (41)	ND (40)	310	ND (67)	ND (38)	ND (40)	ND (41)
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)	ND (4)	ND (4)	ND (4)	ND (3)	ND (8)			
ACETONE	UG/KG	T	630000000	UG/KG	ND (8)	83	20 J	26 J	34	ND (18)			
BENZENE	UG/KG	T	5400	UG/KG	ND (0.5)	ND (0.6)	ND (0.6)	ND (0.7)	0.7 J	ND (1)			
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	1 J	2 J	4 J	9	ND (3)			
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	39			
CHLOROBENZENE	UG/KG	T	1400000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	4 J	ND (3)			
CHLOROFORM	UG/KG	T	1500	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	25			
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)			
CUMENE	UG/KG	T	11000000	UG/KG									
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)			
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	7 J	ND (5)	ND (6)	ND (5)	ND (10)			
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)	ND (2)	ND (2)	ND (3)	ND (2)	8 J			
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1800			
TOLUENE	UG/KG	T	45000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)			
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)			
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	5 J			
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (3)			
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG	ND (78)	ND (81)	ND (82)	ND (80)	ND (81)	ND (130)	ND (76)	ND (80)	83 J
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (39)	47 J	ND (41)	ND (40)	110 J	ND (67)	110 J	ND (40)	2000
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG	ND (78)	ND (81)	ND (82)	ND (80)	ND (81)	ND (130)	ND (76)	ND (80)	160 J
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (39)	210	ND (41)	ND (40)	100 J	ND (67)	530	120 J	7700
ACENAPHTHYLENE	UG/KG	T			ND (39)	ND (40)	ND (41)	ND (40)	ND (41)	ND (67)	ND (38)	ND (40)	61 J
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (39)	520	ND (41)	ND (40)	310	ND (67)	1000	250	11000
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (39)	1300	64 J	53 J	970	ND (67)	2100	710	^15000
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (39)	1500	80 J	56 J	810	ND (67)	2000	800	^14000
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (39)	760	ND (41)	ND (40)	290	ND (67)	1000	290	4500
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (39)	640	ND (41)	ND (40)	360	ND (67)	1200	290	5800
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (39)	^1100	44 J	ND (40)	^610	ND (67)	^1700	^590	^11000
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	690	300 J	660	ND (80)	500	820	160 J	230 J	380 J
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (78)	ND (81)	ND (82)	ND (80)	120 J	ND (130)	ND (76)	ND (80)	ND (82)
CARBAZOLE	UG/KG	T			ND (39)	260	ND (41)	ND (40)	56 J	ND (67)	390	120 J	5100
CHRYSENE	UG/KG	T	210000	UG/KG	ND (39)	1200	64 J	83 J	860	ND (67)	1900	730	14000
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (39)	130 J	ND (41)	ND (40)	60 J	ND (67)	^300	71 J	^1700
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (39)	120 J	ND (41)	ND (40)	ND (41)	ND (67)	320	46 J	3700
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (78)	ND (81)	ND (82)	ND (80)	ND (81)	ND (130)	ND (76)	140 J	ND (82)
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG	ND (78)	ND (81)	ND (82)	ND (80)	ND (81)	ND (130)	ND (76)	ND (80)	ND (82)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (39)	2400	130 J	90 J	2100	ND (67)	4500	1300	33000
FLUORENE	UG/KG	T	22000000	UG/KG	ND (39)	260	ND (41)	ND (40)	110 J	ND (67)	410	98 J	5700
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (39)	ND (40)	ND (41)	120 J	89 J	^270000	ND (38)	42 J	ND (41)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (39)	640	ND (41)	ND (40)	270	ND (67)	1000	300	^4900
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (39)	75 J	ND (41)	ND (40)	96 J	ND (67)	290	48 J	5300
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)	ND (67)	ND (38)	ND (40)	ND (41)
PHENANTHRENE	UG/KG	T			ND (39)	2300	130 J	ND (40)	1100	68 J	3700	810	34000
PHENOL	UG/KG	T	180000000	UG/KG	ND (39)	ND (40)	ND (41)	ND (40)	ND (41)	ND (67)	ND (38)	ND (40)	120 J
PYRENE	UG/KG	T	17000000	UG/KG	ND (39)	2200	120 J	88 J	2000	ND (67)	3900	1100	28000
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000834	0.000485	0.000122	0.0000515	0.00016	0.000207			
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000026	0.000227	0.0000719	0.000101	0.0000968	0.00397			
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.000000801 J	0.0000974	0.0000477	0.000103	0.0000505	0.0032			
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000863 J	0.0000049	0.00000197 J	0.000000931 J	0.00000126 J	0.00000698 EMPC			
1,2,3,4,7,8-HXCDF	MG/KG	T			0.000000707 J	0.000103	0.0000334	0.00014	0.0000447	0.00161			
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000138 J	0.0000165	0.00000408	0.00000186 J	0.00000404	0.0000271			
1,2,3,6,7,8-HXCDF	MG/KG	T			0.000000247 J	0.0000156	0.00000956	0.0000107	0.00000959	0.000285			

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< and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S05SB02	S05SB03	S05SB04	S05SB07	S05SB09	S05SB10	S05SB12	S05SB13	S05SB15
				Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
				Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)
				Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)
				Duplicate										
1,2,3,7,8,9-HXCDD	MG/KG	T				0.00000231 J	0.00000958	0.00000377	0.00000174 J	0.00000332	0.0000131			
1,2,3,7,8,9-HXCDF	MG/KG	T				ND (0.00000028)	ND (0.00000506)	0.00000826	0.00000735	0.0000113	0.000473			
1,2,3,7,8-PECDD	MG/KG	T				0.000000412 EMPC J	0.00000266	0.00000153 J	0.000000631 EMPC J	0.000000974 J	0.00000513 EMPC			
1,2,3,7,8-PECDF	MG/KG	T				ND (0.000000244) UJ	0.0000164	0.00000862	0.0000149	0.00000827	0.00102			
2,3,4,6,7,8-HXCDF	MG/KG	T				ND (0.000000244) UJ	0.0000143	0.00000868	0.00000453	0.0000141	0.000165			
2,3,4,7,8-PECDF	MG/KG	T				ND (0.000000244) UJ	0.0000142	0.0000076	0.00000455	0.00000613	0.000111			
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.00000013 EMPC J	0.00000143	0.00000219	0.000000583 EMPC	0.00000123	0.00000146			
2,3,7,8-TCDF	MG/KG	T				0.000000172 J	0.00000906	0.00000563	0.0000045	0.00000452	0.000475			
HPCDD	MG/KG	T				0.000217	0.000864	0.000268	0.000112	0.000366	0.000377			
HXCDD	MG/KG	T				0.00007 EMPC	0.000112 EMPC	0.00000678	0.0000431 EMPC	0.0000699 EMPC	0.000227 EMPC			
HXCDFS	MG/KG	T				0.00000293 EMPC	0.000279 EMPC	0.000114 EMPC	0.000201	0.00013	0.0033			
OCDD	MG/KG	T				0.00459	0.00575	0.00879	0.00576	0.00433	0.0021			
OCDF	MG/KG	T				0.0000456	0.0112 J	0.00112	0.00419	0.00138	0.549 J			
TCDD	MG/KG	T				0.00000476 EMPC	0.0000185 EMPC	0.0000139 EMPC	0.00000756 EMPC	0.0000106 EMPC	0.0000382 EMPC			
TCDFS	MG/KG	T				0.000003 EMPC	0.000194 EMPC	0.0000892 EMPC	0.0000444 EMPC	0.0000613 EMPC	0.00105 EMPC			
TOTAL HPCDD	MG/KG	T												
TOTAL HPCDF	MG/KG	T												
TOTAL HXCDD	MG/KG	T												
TOTAL HXCDF	MG/KG	T												
TOTAL PECDD	MG/KG	T												
TOTAL PECDD	MG/KG	T												
TOTAL PECDD	MG/KG	T				0.0000155 EMPC	0.0000326	0.000026 EMPC	0.0000163 EMPC	0.0000186 EMPC	0.000115 EMPC			
TOTAL PECDF	MG/KG	T												
TOTAL PECDF	MG/KG	T				0.00000213 EMPC	0.000206 EMPC	0.000089 EMPC	0.0000576	0.0000677	0.00176 EMPC			
TOTAL PECDFS	MG/KG	T												
PCB 1	MG/KG	T				0.000000858	0.0000347	0.0000524	0.0000138	0.00127	0.000549	0.0000947		0.00041
PCB 10	MG/KG	T				ND (0.000000178)	ND (0.00000379)	0.00000955	0.00000183	0.000158	ND (0.000000581)	0.00000824		0.0000257
PCB 102	MG/KG	T				0.00000109	0.000205	0.0000853	ND (0.000000245)	0.000143	ND (0.00000179)	0.0000586		0.000332
PCB 103	MG/KG	T				ND (0.00000013)	0.0000369	0.0000279	ND (0.00000024)	ND (0.000000636)	0.00000902	0.0000135		0.000167
PCB 104	MG/KG	T				ND (0.000000054)	ND (0.00000331)	ND (0.000000413)	ND (0.000000938)	ND (0.000000404)	ND (0.000000857)	ND (0.000000312)		ND (0.000000337)
PCB 105	MG/KG	T	0.38	MG/KG		0.0000167	0.00215	0.00125	0.000415	0.002	0.00167 EMPC	0.00112		0.00305 J
PCB 106	MG/KG	T				ND (0.000000106)	ND (0.00000429)	ND (0.000000589)	ND (0.000000204)	ND (0.000000541)	ND (0.00000156)	ND (0.00000316)		ND (0.00000881)
PCB 109	MG/KG	T				0.00000268	0.000335	0.00019	0.0000694	0.000277	0.000134	0.000147		0.000552
PCB 11	MG/KG	T				0.00000594 B	0.0000681	0.0000193	0.0000246	0.0000989	ND (0.00000111)	0.0000266		0.0000765
PCB 110	MG/KG	T				0.0000653	0.0104	0.00377	0.00138	0.00623	0.00275	0.00311 J		0.0125 J
PCB 111	MG/KG	T				ND (0.000000101)	ND (0.00000409)	0.00000182 EMPC	ND (0.000000194)	ND (0.000000513)	0.00000936	ND (0.00000331)		0.0000142
PCB 112	MG/KG	T				ND (0.000000105)	ND (0.00000426)	ND (0.000000585)	ND (0.000000207)	ND (0.000000548)	ND (0.00000155)	ND (0.00000312)		ND (0.00000868)
PCB 114	MG/KG	T	0.38	MG/KG		0.000000912 J	0.0000946	0.0000676	0.0000214	0.000114	0.0000651	0.0000628		0.000146
PCB 115	MG/KG	T				ND (0.000000102)	ND (0.00000414)	ND (0.000000568)	ND (0.000000189)	ND (0.00000005)	ND (0.00000151)	ND (0.0000027)		ND (0.00000752)
PCB 117	MG/KG	T				0.00000066	0.000132	0.000434	ND (0.000000233)	ND (0.000000617)	0.0000511	0.0000596		0.000199
PCB 118	MG/KG	T	0.38	MG/KG		0.0000385	0.00448 J	0.00278	0.000954	0.00451 J	0.00245	0.00263 J		0.00848 J
PCB 120	MG/KG	T				ND (0.000000102)	0.0000129 EMPC	0.0000137	0.0000264 EMPC	ND (0.000000513)	ND (0.00000151)	0.00000411		0.0000766
PCB 121	MG/KG	T				ND (0.000000103)	ND (0.00000418)	ND (0.000000574)	ND (0.000000199)	ND (0.000000526)	0.00000308	ND (0.00000337)		ND (0.0000094)
PCB 122	MG/KG	T				ND (0.000000108)	0.0000885	0.0000359	0.0000124	0.0000585	0.0000314 EMPC	0.0000311		0.000105
PCB 123	MG/KG	T	0.38	MG/KG		0.000000833 J	0.000147	0.0000556	ND (0.000000203)	0.0000803	0.000043	0.0000404		0.000154
PCB 126	MG/KG	T	0.00011	MG/KG		0.000000425 J	0.0000396	0.0000129	0.00000456	0.0000145	0.0000134	0.0000126		0.0000265
PCB 127	MG/KG	T				ND (0.0000000923)	ND (0.00000411)	ND (0.000000527)	ND (0.000000191)	ND (0.000000545)	ND (0.00000151)	ND (0.00000336)		ND (0.00000916)
PCB 130	MG/KG	T				0.00000541	0.00104	0.000321	0.0001	0.000394	0.00016	0.000231		0.00114
PCB 131	MG/KG	T				0.000000927 EMPC	0.000146	0.0000641	0.0000226	ND (0.000000637)	0.0000332	0.0000464		0.000179
PCB 132	MG/KG	T				0.0000308	0.00503	0.00164	0.000508	0.00243	0.000727	0.00107		0.0052 J
PCB 133	MG/KG	T				0.00000138	0.000215	0.0000664	0.000018	ND (0.000000584)	0.0000695	0.0000417		ND (0.000000549)
PCB 134	MG/KG	T				0.00000504	0.000796	0.000297	ND (0.000000207)	0.000402	0.000126	0.000204		0.000925
PCB 136	MG/KG	T				0.0000123	0.00166	0.000544	0.000163	0.00103	0.00025	0.0004		0.00211 J
PCB 137	MG/KG	T				0.00000276	0.000695	0.000202	0.0000562	0.000194	0.000134	0.000214		0.000719
PCB 14	MG/KG	T				ND (0.000000227)	ND (0.00000688)	ND (0.000000296)	ND (0.000000146)	0.00000251	ND (0.000000923)	0.00000588		0.00000127

EPA\_SL\_IndSoil\_05/12  
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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB02	S05SB03	S05SB04	S05SB07	S05SB09	S05SB10	S05SB12	S05SB13	S05SB15
					6/3/08	6/2/08	6/2/08	5/20/08	5/20/08	6/3/08	5/6/10	5/5/10	5/7/10
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	MG/KG	T			0.0000256	0.00406	0.00102	0.000295	0.00179	0.0004	0.000546		0.00288 J
PCB 142	MG/KG	T			ND (0.00000112)	ND (0.00000541)	ND (0.00000086)	ND (0.00000192)	ND (0.00000611)	0.00000532	ND (0.00000532)		ND (0.00000637)
PCB 143	MG/KG	T			ND (0.000000967)	ND (0.00000468)	ND (0.00000744)	0.0000706	ND (0.00000569)	ND (0.0000073)	ND (0.00000488)		ND (0.00000585)
PCB 144	MG/KG	T			0.00000507	0.000735	0.000201	0.0000653	0.000425	0.0000805	0.000143		0.000727
PCB 145	MG/KG	T			ND (0.000000761)	ND (0.00000374)	ND (0.00000656)	ND (0.00000162)	ND (0.00000509)	ND (0.00000604)	0.00000163		0.00000534
PCB 146	MG/KG	T			0.0000154	0.00263	0.000684	0.000192	0.00103	0.000322	0.000376		0.00256 J
PCB 148	MG/KG	T			ND (0.00000101)	ND (0.00000488)	0.00000465	ND (0.00000181)	ND (0.00000575)	0.00000799	EMPC	0.00000292	0.0000445
PCB 15	MG/KG	T			0.00000582	0.000408	0.000621	0.000138	0.00147	0.00179	0.000383		0.00209 J
PCB 150	MG/KG	T			ND (0.000000725)	0.000011	0.0000375	0.00000664	EMPC	0.00000581	0.00000391	0.00000418	0.0000177
PCB 152	MG/KG	T			ND (0.000000709)	0.00000763	EMPC	0.00000336	ND (0.00000152)	ND (0.00000477)	0.00000235	0.00000304	0.0000104
PCB 154	MG/KG	T			0.000000581	0.000078	0.0000408	0.00000901	ND (0.00000492)	0.0000496	0.000026		0.000271
PCB 155	MG/KG	T			ND (0.000000728)	ND (0.00000358)	ND (0.00000627)	ND (0.0000015)	ND (0.00000472)	0.00000205	ND (0.00000273)		0.00000916 J
PCB 158	MG/KG	T			0.0000103	0.00167	0.000488	0.000159	0.000766	0.000259	0.000362		0.00155
PCB 159	MG/KG	T			0.00000201	0.000289	0.0000572	0.0000107	0.0000767	0.0000192	ND (0.00000117)		ND (0.00000255)
PCB 16	MG/KG	T			0.00000304	0.000149	0.000617	0.000227	0.00283	0.0001	0.000398		0.00084
PCB 162	MG/KG	T			0.000000328	0.000053	0.0000177	ND (0.00000084)	0.0000214	0.0000871	EMPC	0.0000131	0.000112
PCB 164	MG/KG	T			0.00000846	0.00149	0.000357	0.000123	0.000576	0.000167	0.000199		0.00111
PCB 165	MG/KG	T			ND (0.000000807)	ND (0.00000391)	ND (0.00000621)	ND (0.0000015)	ND (0.00000478)	0.00000549	ND (0.00000362)		ND (0.00000434)
PCB 167	MG/KG	T	0.38	MG/KG	0.00000426	0.00077	0.000258	0.0000726	0.000303	0.000132	0.000158		0.000797
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000147)	0.0000572	0.000015	ND (0.00000103)	ND (0.00000394)	ND (0.00000294)	ND (0.00000196)		ND (0.0000044)
PCB 17	MG/KG	T			0.00000334	0.000131	0.000552	0.000203	0.00262	ND (0.00000597)	0.000381		0.000898
PCB 170	MG/KG	T			0.0000457	0.00722	0.00155	0.000423	0.00286	0.000628	EMPC	0.00041	0.00382 J
PCB 172	MG/KG	T			0.00000794	0.00124	0.000268	0.0000684	0.000506	0.000139	0.0000881		0.000807
PCB 174	MG/KG	T			0.0000475	0.00715	0.0017	0.000392	0.0031	0.000376	0.000552		0.00509 J
PCB 175	MG/KG	T			0.00000185	0.000242	0.0000687	0.0000181	0.000134	0.0000622	0.000027		0.000243
PCB 176	MG/KG	T			0.00000507	0.000752	0.000155	0.0000414	0.000361	0.0000513	0.0000871		0.000757
PCB 177	MG/KG	T			0.0000264	0.00411	0.000975	0.000216	0.00175	0.000198	0.000307		0.00317 J
PCB 178	MG/KG	T			0.00000988	0.00152	0.00028	0.0000688	0.000585	0.000145	0.000103		0.000988
PCB 179	MG/KG	T			0.0000195	0.00299	0.000551	0.000139	0.00125	0.00016	0.000237		0.00207 J
PCB 181	MG/KG	T			ND (0.00000179)	0.0000347	EMPC	0.0000137	ND (0.00000312)	0.0000203	0.00000871		0.0000496
PCB 182	MG/KG	T			ND (0.00000017)	0.0000182	0.00000928	ND (0.00000771)	ND (0.00000298)	0.0000398	0.00000402		0.0000283
PCB 183	MG/KG	T			0.0000026	0.00336	0.000882	0.000217	0.00172	0.000356	0.000331		0.00297 J
PCB 184	MG/KG	T			ND (0.00000109)	ND (0.00000351)	ND (0.00000399)	ND (0.00000162)	ND (0.00000489)	0.00000962	0.00000102		ND (0.00000491)
PCB 185	MG/KG	T			0.00000479	0.000784	0.000188	0.0000421	0.00041	0.0000307	0.0000429		0.000533
PCB 186	MG/KG	T			ND (0.00000108)	ND (0.00000348)	ND (0.00000396)	ND (0.00000157)	ND (0.00000472)	ND (0.00000529)	ND (0.00000315)		ND (0.0000046)
PCB 187	MG/KG	T			0.0000638	0.0097	0.00223	0.000459	0.00378	0.000631	0.000627		0.00606 J
PCB 188	MG/KG	T			ND (0.000000997)	ND (0.0000032)	ND (0.00000364)	ND (0.00000144)	ND (0.00000434)	0.0000063	EMPC	0.00000187	0.00000613
PCB 189	MG/KG	T	0.38	MG/KG	0.00000151	0.00021	0.0000547	0.000019	0.000108	0.0000361	0.0000299		0.000227
PCB 19	MG/KG	T			0.00000082	0.0000376	0.000342	0.0000469	0.000713	0.0000166	0.000162		0.000972
PCB 190	MG/KG	T			0.00000937	0.00141	0.000259	0.0000828	0.000549	0.0000913	0.0001		0.000958
PCB 191	MG/KG	T			0.00000169	0.00024	0.0000524	0.0000157	0.000121	0.0000267	0.0000225		0.000213
PCB 194	MG/KG	T			0.0000291	0.00403	0.00088	0.000237	0.00167	0.00166	0.000271		0.00256 J
PCB 195	MG/KG	T			0.00001	0.00167	0.000322	0.0000921	0.000739	0.000128	0.0000976		0.00104
PCB 196	MG/KG	T			0.0000149	0.00199	0.000304	0.0000891	0.000747	0.000508	0.000127		0.00121
PCB 197	MG/KG	T			0.000000879	EMPC	0.00013	0.000024	0.0000785	0.0000547	0.0000626	0.0000119	0.0000865
PCB 2	MG/KG	T			0.000000957	0.0000209	0.0000222	0.0000124	0.0000688	0.000244	0.0000739		0.0000672
PCB 200	MG/KG	T			0.00000423	0.000641	0.000107	0.0000245	0.000217	0.000072	0.0000422		0.00036
PCB 201	MG/KG	T			0.0000043	0.000502	0.000112	0.0000259	0.000214	0.000139	0.000046		0.000378
PCB 202	MG/KG	T			0.00000936	0.000994	0.000252	0.0000497	0.000331	0.00039	0.0000891		0.00075
PCB 203	MG/KG	T			0.0000236	0.00298	0.000442	0.00014	0.000959	0.00114	0.000204		0.00177
PCB 204	MG/KG	T			ND (0.00000157)	ND (0.00000594)	0.000000935	EMPC	ND (0.00000402)	ND (0.000000955)	0.0000368	ND (0.00000627)	ND (0.00000122)
PCB 205	MG/KG	T			0.0000014	0.000229	0.0000373	0.000019	0.0000795	0.0000625	EMPC	0.0000162	0.00015
PCB 206	MG/KG	T			0.0000566	0.00283	0.000923	0.000267	0.00117	0.00935	0.000463		0.00258 J

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB02	S05SB03	S05SB04	S05SB07	S05SB09	S05SB10	S05SB12	S05SB13	S05SB15
					6/3/08	6/2/08	6/2/08	5/20/08	5/20/08	6/3/08	5/6/10	5/5/10	5/7/10
					3	5	4.5	13	13	3	5	4.5	4
					5	6.5	6.5	15	15	5	6	6.5	6
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 207	MG/KG	T			0.0000592	0.000417	0.0000909	0.0000312	0.000133	0.00178	0.0000373		0.000253
PCB 208	MG/KG	T			0.0000218	0.00113	0.000308	0.0000841	0.000353	0.00355	0.00014		0.000992
PCB 209	MG/KG	T			0.000213	0.099 J	0.00377 J	0.00225	0.0115 J	0.392 J	0.00354 J		0.0296 J
PCB 22	MG/KG	T			0.000006	0.000259	0.000668	0.000212	0.00214	0.000138	0.000348		0.00129
PCB 23	MG/KG	T			ND (0.00000139)	ND (0.00000316)	0.00000158	ND (0.000000434)	ND (0.00000156)	0.0000125	0.00000399		0.00000443
PCB 24	MG/KG	T			ND (0.000000771)	0.00000552	0.0000136	0.00000626	0.0000777	ND (0.00000043)	0.0000143		0.0000313
PCB 25	MG/KG	T			0.00000139	0.000056	0.000126	0.0000435	0.0004	0.0000193	0.000073		0.000298
PCB 27	MG/KG	T			0.000000702	0.0000256	0.000129	0.0000359	0.000376	ND (0.00000042)	0.000076		0.000268
PCB 3	MG/KG	T			0.0000018 EMPC	0.0000563	0.000108	0.0000217	0.000285	0.00344	0.000154		0.000476
PCB 31	MG/KG	T			0.0000142	0.000665	0.00142	0.000631	0.00496	0.000471	0.000799		0.00299 J
PCB 32	MG/KG	T			0.0000032	0.00014	0.00058	0.000154	0.00161	0.0000875	0.000308		0.00103
PCB 34	MG/KG	T			ND (0.000000137)	ND (0.00000313)	0.00000749	ND (0.000000428)	ND (0.00000154)	0.00000559	0.00000542		0.0000236
PCB 35	MG/KG	T			ND (0.000000138)	0.0000333	0.0000404	ND (0.000000443)	0.0000875	0.000627	0.0000276		0.0000766
PCB 36	MG/KG	T			ND (0.000000131)	ND (0.00000299)	ND (0.000000791)	ND (0.000000412)	ND (0.00000148)	0.0000121	0.00000195		ND (0.000000242)
PCB 37	MG/KG	T			0.00000891	0.00059	0.000979	0.000279	0.00168	0.000329	0.000535		0.00316 J
PCB 38	MG/KG	T			ND (0.000000138)	ND (0.00000315)	0.00000151 EMPC	ND (0.000000444)	ND (0.0000016)	0.00000822	0.00000522		0.00000835
PCB 39	MG/KG	T			ND (0.000000126)	ND (0.00000289)	0.00000115	ND (0.000000405)	ND (0.00000146)	0.0000205	0.00000842		0.0000258
PCB 4	MG/KG	T			0.00000141	0.0000692	0.000133	0.0000424	0.00362	0.0000294	0.000242		0.000565
PCB 41	MG/KG	T			0.00000146	0.0000725	0.000202	0.0000771	0.000547	0.0000914	0.0000743		0.000135
PCB 42	MG/KG	T			0.00000511	0.000279	0.000773	0.000171	0.00108	0.000281	0.000225		0.00153
PCB 43	MG/KG	T			0.000000544	ND (0.00000537)	0.00011	0.0000293	0.000173	0.0000341	0.0000384		0.00016
PCB 45	MG/KG	T			0.00000264	0.000294	0.000612	0.000119	0.000715	0.000106	0.000132		0.00145
PCB 46	MG/KG	T			0.00000114	0.000105	0.000255	0.0000538	0.000299	0.0000452	0.000068		0.000622
PCB 48	MG/KG	T			0.00000266	0.000152	0.000422	0.000145	0.000968	0.000196	0.000146		0.000452
PCB 5	MG/KG	T			0.00000149 B	ND (0.00000836)	0.0000105	0.00000272	0.00012	0.00000732	0.0000106		0.0000257
PCB 51	MG/KG	T			0.000000779 EMPC	0.0000964	0.000133	0.0000295	0.000173	0.0000331	0.0000498		0.000426
PCB 52	MG/KG	T			0.0000253	0.0017	0.00244	0.000845	0.00488	0.00168	0.0014		0.00518 J
PCB 54	MG/KG	T			ND (0.0000000811)	0.00000775	0.00000973	0.00000174	0.0000115	ND (0.00000167)	0.00000359		0.0000282
PCB 55	MG/KG	T			ND (0.000000254)	ND (0.00000973)	0.0000319	ND (0.000000665)	ND (0.00000246)	ND (0.00000403)	0.0000154		ND (0.00000626)
PCB 56	MG/KG	T			0.00000976	0.000611	0.00086	0.0003	0.00183	0.000581	0.000341		0.00161
PCB 57	MG/KG	T			ND (0.000000244)	ND (0.000000936)	ND (0.00000024)	ND (0.00000064)	0.0000183	ND (0.00000387)	0.0000049		0.0000145
PCB 58	MG/KG	T			ND (0.000000245)	ND (0.0000094)	ND (0.00000241)	ND (0.000000638)	ND (0.00000236)	ND (0.00000389)	0.00000237		0.0000337
PCB 6	MG/KG	T			0.00000139	0.0000571	0.000104	0.0000245	0.00115	0.0000237	0.0000946		0.00031
PCB 60	MG/KG	T			0.00000554	0.000309	0.000486	0.000198	0.00122	0.000315	0.000175		0.000439
PCB 63	MG/KG	T			0.000000641	0.0000399	0.0000643	0.0000248	0.000149	0.0000398	0.0000324		0.000114
PCB 64	MG/KG	T			0.0000101	0.0007	0.000921	0.000275	0.00169	0.000517	0.000421		0.00191
PCB 66	MG/KG	T			0.0000181	0.0013	0.00181	0.000622	0.00363	0.0011	0.000664		0.00432 J
PCB 67	MG/KG	T			0.000000504 EMPC	0.0000409	0.000054	0.0000221	0.000139	ND (0.00000344)	0.000027		0.000109
PCB 68	MG/KG	T			ND (0.000000224)	ND (0.00000857)	0.0000114	ND (0.000000588)	0.00000959	ND (0.00000355)	0.0000074		0.0000787
PCB 7	MG/KG	T			ND (0.000000266)	0.00001	0.0000186	0.00000309	0.000215	0.00000706	0.0000149		0.0000556
PCB 72	MG/KG	T			ND (0.000000233)	0.0000143	0.0000199	ND (0.000000606)	0.000018	ND (0.0000037)	0.00000708		0.0000882
PCB 73	MG/KG	T			ND (0.000000126)	ND (0.00000298)	ND (0.000000298)	ND (0.000000153)	ND (0.000000466)	ND (0.00000247)	ND (0.000000213)		0.0000182
PCB 77	MG/KG	T	0.11	MG/KG	0.00000287	0.00031	0.000243	0.0000846	0.000376	0.000382	0.000107		0.000891
PCB 78	MG/KG	T			ND (0.000000244)	ND (0.00000935)	ND (0.00000024)	ND (0.00000066)	ND (0.00000244)	ND (0.00000387)	0.00000247		ND (0.00000641)
PCB 79	MG/KG	T			ND (0.000000203)	ND (0.00000778)	ND (0.0000002)	ND (0.000000558)	ND (0.00000206)	ND (0.00000322)	0.0000183		0.0000872
PCB 8	MG/KG	T			0.00000503	0.000302	0.000614	0.000137	0.00545	0.000439	0.000539		0.00189
PCB 80	MG/KG	T			ND (0.000000219)	ND (0.00000838)	ND (0.00000215)	ND (0.000000571)	0.0000197	ND (0.00000347)	ND (0.00000104)		ND (0.00000647)
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.000000235)	ND (0.00000903)	ND (0.00000231)	ND (0.000000625)	ND (0.00000231)	ND (0.00000373)	0.00000672		0.0000193
PCB 82	MG/KG	T			0.00000527	0.000677	0.000431	0.000154	0.000723	0.000309	0.000321		0.00122
PCB 83	MG/KG	T			0.00000212	0.000365	ND (0.000000948)	0.00064	0.000303 EMPC	0.000107	0.000155		0.000601
PCB 84	MG/KG	T			0.000012	0.0016	0.000973	ND (0.00000003)	0.00147	0.000612	0.000736		0.00292 J
PCB 88	MG/KG	T			ND (0.000000164)	ND (0.00000664)	ND (0.000000912)	ND (0.000000312)	ND (0.000000825)	ND (0.00000242)	ND (0.00000492)		ND (0.0000137)
PCB 89	MG/KG	T			0.000000499	0.0000937	0.0000524	ND (0.000000283)	0.0000747	0.0000243	0.0000248		0.000163

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					6/3/08	6/2/08	6/2/08	5/20/08	5/20/08	6/3/08	5/6/10	5/5/10	5/7/10
					3	5	4.5	13	13	3	5	4.5	4
					5	6.5	6.5	15	15	5	6	6.5	6
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 9	MG/KG	T			0.00000856	0.0000174	0.0000238	0.00000633	0.000377	0.0000183	0.0000226		0.0000782
PCB 91	MG/KG	T			0.0000054	0.00116	0.000395	ND (0.0000023)	0.000604	0.00024	0.000349		0.00162
PCB 92	MG/KG	T			0.00000816	0.00116	ND (0.00000819)	0.000193	0.000099	0.000336	0.000492		0.00249 J
PCB 94	MG/KG	T			ND (0.00000154)	0.0000387	0.0000161	ND (0.00000282)	ND (0.00000748)	0.00000861	0.0000115		0.0000721
PCB 95	MG/KG	T			0.0000419	0.00577	0.00251	ND (0.00000262)	0.00444	0.00155	0.00199 J		0.00832 J
PCB 96	MG/KG	T			0.000000284 EMPC	0.000077	0.0000286	0.0000091	0.0000438	0.0000154	0.0000174		0.0000967
PCB 98	MG/KG	T			ND (0.00000162)	ND (0.00000659)	ND (0.00000905)	ND (0.00000275)	ND (0.00000729)	0.0000777	ND (0.00000483)		ND (0.0000135)
PCB 99	MG/KG	T			0.0000175	0.0024	0.00133	ND (0.00000229)	0.00214	0.00105	0.000877		0.00434 J
PCB-100/93	MG/KG	T			0.000000271	0.0000635	0.0000233	ND (0.00000249)	ND (0.00000661)	ND (0.00000206)	0.0000147		0.000118
PCB-107/124	MG/KG	T			0.00000177	0.000259	0.000122	0.0000428	0.000189	0.0000847	0.000101		0.00034
PCB-108/119/86/97/125/87	MG/KG	T			0.0000271	0.00307	0.00204	0.00076	0.00384	0.00167	0.00191 J		0.0063 E
PCB-113/90/101	MG/KG	T			0.0000456	0.00507	0.00293	0.00106	0.00595	0.00206	0.00267 J		0.00975 J
PCB-116/85	MG/KG	T			0.00000728	0.00116	ND (0.00000699)	0.000143	0.000911	0.000439	0.000437		0.00172
PCB-128/166	MG/KG	T			0.0000118	0.00265	0.000943	0.00029	0.00112	0.000468	0.000591		0.00284 E
PCB-13/12	MG/KG	T			ND (0.00000272)	0.0000577	0.0000677	0.0000156	0.000222	ND (0.0000011)	0.0000844		0.000176
PCB-139/140	MG/KG	T			0.00000116	0.000215	0.000072	0.0000236	ND (0.00000549)	0.000047	0.0000683		0.000302
PCB-147/149	MG/KG	T			0.0000867	0.0141	0.00354	0.00104	0.00623	0.00142	0.00212 J		0.0115 J
PCB-151/135	MG/KG	T			0.0000377	0.0064	0.00141	0.000415	0.00282	0.000549	0.000869		0.00554 E
PCB-153/168	MG/KG	T			0.0000957	0.0148	0.00374	0.00112	0.00665	0.00236	0.00227 J		0.0128 J
PCB-156/157	MG/KG	T			0.0000098	0.00164	0.000797	0.000223	0.00105	0.000363	0.000533		0.0022 E
PCB-163/138/129	MG/KG	T			0.000117	0.0207	0.00541	0.00167	0.00812	0.00264	0.0035 J		0.0168 J
PCB-171/173	MG/KG	T			0.0000127	0.00188	0.000511	0.000127	0.000887	0.000122	0.000175		0.00155
PCB-180/193	MG/KG	T			0.000106	0.0153	0.00315	0.000825	0.00628	0.00191	0.00147		0.0148 J
PCB-198/199	MG/KG	T			0.0000456	0.00538	0.000813	0.000233	0.00174	0.00179	0.000368		0.00304 E
PCB-21/33	MG/KG	T			0.00000922	0.000371	0.000933	0.000381	0.00355	0.000217	0.000654		0.00209 J
PCB-26/29	MG/KG	T			0.0000027	0.000113	0.000242	0.000108	0.000952	0.0000538	0.00017		0.000568
PCB-28/20	MG/KG	T			0.000017	0.000741	0.00187	0.000671	0.0054	0.000668	0.000995		0.00445 J
PCB-30/18	MG/KG	T			0.00000719	0.000297	0.00109	0.000464	0.00595	0.000259	0.000861		0.00201 J
PCB-44/47/65	MG/KG	T			0.000018	0.00112	0.00228	0.000665	0.00405	0.00117	0.000964		0.00541 J
PCB-50/53	MG/KG	T			0.00000339	0.000344	0.000493	0.000104	0.000569	0.0000994	0.000155		0.00175
PCB-59/62/75	MG/KG	T			0.00000188	0.000142	0.000229	0.0000595	0.000355	0.0000636	0.0000915		0.000664
PCB-61/70/74/76	MG/KG	T			0.0000348	0.00258	0.00303	0.00118	0.00732	0.00256	0.00163		0.00617 J
PCB-69/49	MG/KG	T			0.0000104	0.000715	0.00135	0.000371	0.00225	0.000667	0.000563		0.00317 J
PCB-71/40	MG/KG	T			0.00000853	0.000509	0.00105	0.000292	0.0018	0.000474	0.000368		0.0022 J
TOTAL DICHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.0000219 B	0.00099	0.00162	0.000397	0.0129	0.00231	0.00143		0.00529
TOTAL HEPTACHLOROBIPHENYLS (CON)	MG/KG	T			0.000389	0.0582 EMPC	0.0129	0.00316	0.0244	0.00504 EMPC	0.00463		0.0444 EMPC
TOTAL HEXACHLOROBIPHENYLS (CON)	MG/KG	T			0.00049	0.0819	0.0222	0.00664 EMPC	0.0354	0.0109 EMPC	0.014		0.0724 EMPC
TOTAL MONOCHLOROBIPHENYLS (CON)	MG/KG	T			0.00000362 EMPC	0.000112	0.000182	0.0000479	0.00162	0.00423	0.000322		0.000953
TOTAL NONACHLOROBIPHENYLS (CON)	MG/KG	T			0.0000844	0.00438	0.00132	0.000383	0.00165	0.0147	0.00064		0.00383
TOTAL OCTACHLOROBIPHENYLS (CON)	MG/KG	T			0.000143	0.0185	0.00329	0.000918	0.00674	0.00599 EMPC	0.00127		0.0113
TOTAL PENTACHLOROBIPHENYLS (CON)	MG/KG	T			0.000302	0.0411	0.0196	0.00586 EMPC	0.0351 EMPC	0.0158 EMPC	0.0174		0.0659
TOTAL TETRACHLOROBIPHENYLS (CON)	MG/KG	T			0.000164 EMPC	0.0114	0.0179	0.00567	0.0343	0.0104	0.00773		0.0391
TOTAL TRICHLOROBIPHENYLS (CON)	MG/KG	T			0.0000777	0.00361	0.00963	0.00346	0.0333	0.00304	0.00583		0.021
ALUMINUM	MG/KG	T	990000	MG/KG	13100	9390	14700	10800	10300	2290	10100	11200	
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.14) UJ	14.5 J	3.37 J	ND (1.19) UJ	ND (1.2) UJ	ND (19.6) UJ	15.7 J	20.1 J	
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 5.41 J	<sup>^</sup> 5.74	<sup>^</sup> 4.02	<sup>^</sup> 4.01	<sup>^</sup> 2.39	<sup>^</sup> 1.74 J	<sup>^</sup> 7.24	<sup>^</sup> 9.73	
BARIIUM	MG/KG	T	190000	MG/KG	44.8	177	78.8	56.7	80.8	80.8	114	115	
BERYLLIUM	MG/KG	T	2000	MG/KG	0.66	0.409 J	0.574 J	0.484 J	0.491 J	0.963 J	0.466 J	0.529 J	
CADMIUM	MG/KG	T	800	MG/KG	0.278 J	1.09	0.379 J	ND (0.167)	ND (0.169)	0.613 J	1.54	1	
CALCIUM	MG/KG	T			777	4710	1830	1570 J	9850 J	1010	5480 J	6420	
CHROMIUM	MG/KG	T			33.3 J	166	46.3	34.6	44.9	405 J	50.5 J	60.2	
COBALT	MG/KG	T	300	MG/KG	8.07	ND (2.27)	ND (1.15)	4.47	6.92	4.78 J	5.43	5.22	
COPPER	MG/KG	T	41000	MG/KG	21.1	90.3	33.5	33.8	55.6	48.4	174	124	

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB02	S05SB03	S05SB04	S05SB07	S05SB09	S05SB10	S05SB12	S05SB13	S05SB15
				Date	6/3/08	6/2/08	6/2/08	5/20/08	5/20/08	6/3/08	5/6/10	5/5/10	5/7/10
				Top (ft)	3	5	4.5	13	13	3	5	4.5	4
				Bottom (ft)	5	6.5	6.5	15	15	5	6	6.5	6
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
IRON	MG/KG	T	720000	MG/KG	22600	25000	26600	18600	38000	26700	30600	29600	
LEAD	MG/KG	T	800	MG/KG	13.6	348	86.1	66.8	247	146	265	380	
MAGNESIUM	MG/KG	T			2210	1040	1680	1690	1890	530	2050	2250	
MANGANESE	MG/KG	T	23000	MG/KG	165	223	291	98.8 J	313 J	113	232	195	
MERCURY	MG/KG	T	43	MG/KG	0.0177 J	0.483 J	0.327 J	0.0676 J	0.885	5.2	0.965 J	1.03	
NICKEL	MG/KG	T	20000	MG/KG	16.3	23.6	16.3	11	33.3	5.57	38.6	30.8	
POTASSIUM	MG/KG	T			1980 J	1130 J	1980 J	881 J	1650 J	710 J	1640 J	1640 J	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.12)	ND (1.17) UJ	ND (1.19) UJ	ND (1.17)	ND (1.18)	4.51	ND (1.11)	ND (1.15)	
SILVER	MG/KG	T	5100	MG/KG	ND (0.194)	0.485 J	0.434 J	0.978	0.434 J	3.56	ND (0.203)	ND (0.212)	
SODIUM	MG/KG	T			102 J	ND (44.7)	ND (45.3)	93.6 J	307	115 J	117	170	
THALLIUM	MG/KG	T	10	MG/KG	ND (0.174)	0.214 J	ND (0.177)	ND (0.177) UJ	ND (0.175) UJ	0.484 J	2.05 J	1.91 J	
TITANIUM	MG/KG	T			1010	2450	2030	1220	3390	25000			
VANADIUM	MG/KG	T			38.7	65.4 J	62.8 J	44.2	74.8	77.8	94.7	72.5	
ZINC	MG/KG	T	310000	MG/KG	32.9	424 J	53.5 J	34.8	75.8	23.3	106	123	
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T			ND (302)	13700	1330	2010	4020	85100			
DRO C10-C28	MG/KG	T											
HPCDFS	MG/KG	T			0.00000503 EMPC	0.00065	0.00017	0.000252	0.000212	0.00949			
ORO >C28 - C35	MG/KG	T											

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB16	S05SB17	S05SB17	S08SB03	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03
					6/10/10	6/18/10	6/18/10	5/5/08	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08
					6	4	4	13	2	2	8	2	2
					8	6	6	15	4	4	9.5	4	4
					FS	FS	FS	FS	DUP	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (39)		ND (37)		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)		ND (3)			ND (3)	ND (3)	ND (3)	ND (3)
ACETONE	UG/KG	T	630000000	UG/KG	31		29	ND (7)		12 J	15 J	ND (7)	ND (7)
BENZENE	UG/KG	T	5400	UG/KG	ND (0.5)		ND (0.5)			ND (0.6)	ND (0.5)	ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	2 J		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
CHLOROBENZENE	UG/KG	T	1400000	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
CHLOROFORM	UG/KG	T	1500	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
CUMENE	UG/KG	T	11000000	UG/KG									
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)		ND (4)			ND (4)	ND (4)	ND (4)	ND (4)
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)		ND (2)			ND (2)	ND (2)	ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	4 J		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
TOLUENE	UG/KG	T	45000000	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)		ND (0.9)			ND (1)	ND (1)	ND (1)	ND (1)
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)		ND (0.9)	ND (1)		ND (1)	ND (1)	ND (1)	ND (1)
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG	ND (79)		ND (75)		ND (82)	ND (79)	ND (78)	ND (84)	ND (75)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (39)		ND (37)		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG	ND (79)		ND (75)		ND (82)	ND (79)	ND (78)	ND (84)	ND (75)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (39)		55 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
ACENAPHTHYLENE	UG/KG	T			ND (39)		ND (37)		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (39)		180 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	42 J		340		ND (41)	ND (39)	57 J	ND (42)	ND (38)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	45 J		340		ND (41)	ND (39)	72 J	ND (42)	ND (38)
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (39)		210		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (39)		160 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (39)		^260		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	79 J		340 J		ND (82)	ND (79)	ND (78)	ND (84)	ND (75)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (79)		ND (75)		ND (82)	ND (79)	ND (78)	ND (84)	ND (75)
CARBAZOLE	UG/KG	T			ND (39)		66 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
CHRYSENE	UG/KG	T	210000	UG/KG	59 J		380		ND (41)	ND (39)	67 J	ND (42)	ND (38)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (39)		42 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (39)		44 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (79)		ND (75)		ND (82)	ND (79)	ND (78)	ND (84)	ND (75)
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG	ND (79)		ND (75)		ND (82)	ND (79)	ND (78)	ND (84)	ND (75)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	74 J		740		ND (41)	41 J	160 J	ND (42)	ND (38)
FLUORENE	UG/KG	T	22000000	UG/KG	ND (39)		74 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	81 J		ND (37)		160 J	120 J	610	ND (42)	ND (38)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (39)		170 J		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (39)		ND (37)		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (39)		ND (37)		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
PHENANTHRENE	UG/KG	T			44 J		770		ND (41)	ND (39)	110 J	ND (42)	ND (38)
PHENOL	UG/KG	T	180000000	UG/KG	ND (39)		ND (37)		ND (41)	ND (39)	ND (39)	ND (42)	ND (38)
PYRENE	UG/KG	T	17000000	UG/KG	77 J		700		ND (41)	41 J	160 J	ND (42)	ND (38)
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000959					0.0000374		0.0000284	0.00000878
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000442					0.0000216		ND (0.00000191) UJ	0.0000027
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0000166					0.00000814		ND (0.000000123)	0.00000123 J
1,2,3,4,7,8-HXCDD	MG/KG	T			0.00000891 J					0.00000453 J		ND (0.000000109)	ND (0.000000112)
1,2,3,4,7,8-HXCDF	MG/KG	T			0.0000118					0.00000318		ND (0.000000352)	0.00000133 J
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000297					0.0000014 J		ND (0.00000011)	0.0000003 EMPC J
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000323					0.000000914 J		ND (0.000000031)	0.000000398 EMPC J

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S05SB16	S05SB17	S05SB17	S08SB03	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03
				Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
				Top (ft)	Bottom (ft)									
				Duplicate	Duplicate									
						FS	FS	FS	FS	DUP	FS	FS	FS	FS
1,2,3,7,8,9-HXCDD	MG/KG	T				0.00000226					0.000001 J		ND (0.00000118)	0.000000314 EMPC J
1,2,3,7,8,9-HXCDF	MG/KG	T				ND (0.000001277507)					0.000000817 J		ND (0.000000462)	0.000000408 J
1,2,3,7,8-PECDD	MG/KG	T				0.000000621 J					0.000000351 J		ND (0.00000126)	ND (0.000000229) UJ
1,2,3,7,8-PECDF	MG/KG	T				0.00000292					0.00000126 J		ND (0.000000746)	0.00000045 J
2,3,4,6,7,8-HXCDF	MG/KG	T				0.00000337					0.000000847 J		ND (0.000000325)	0.000000385 J
2,3,4,7,8-PECDF	MG/KG	T				0.00000248					0.000000894 J		ND (0.000000671)	0.00000037 EMPCJ
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.000000277 J					0.000000132 EMPC J		ND (0.000000829)	ND (0.000000656)
2,3,7,8-TCDF	MG/KG	T				0.00000354					0.000000967		ND (0.000000621)	0.000000376 J
HPCDD	MG/KG	T									0.0000763		0.0000102	0.0000448
HXCDD	MG/KG	T									0.0000149		0.0000064	0.0000202 EMPC
HXCDFS	MG/KG	T									0.0000131 EMPC		ND (0.000000357)	0.00000445 EMPC
OCDD	MG/KG	T				0.00354					0.00252		0.0000998	0.00037
OCDF	MG/KG	T				0.00165					0.00226		0.000000795 J	0.000067
TCDD	MG/KG	T				0.00000569 EMPC					0.00000283 EMPC		0.00000158	0.0000259 EMPC
TCDFS	MG/KG	T				0.0000326 EMPC					0.00000838 EMPC		ND (0.000000621)	0.00000233 EMPC
TOTAL HPCDD	MG/KG	T				0.000203 EMPC								
TOTAL HPCDF	MG/KG	T				0.0000942 EMPC								
TOTAL HXCDD	MG/KG	T				0.0000427 EMPC								
TOTAL HXCDF	MG/KG	T				0.0000404 EMPC								
TOTAL PECDD	MG/KG	T				0.0000113 EMPC								
TOTAL PECDD	MG/KG	T									0.0000057 EMPC		0.00000102	0.00000681 EMPC
TOTAL PECDF	MG/KG	T				0.000027 EMPC								
TOTAL PECDFS	MG/KG	T									0.0000091 EMPC		ND (0.000000707)	0.0000027 EMPC
PCB 1	MG/KG	T				0.0000401	0.0000223				0.0000023		ND (0.000000404)	ND (0.000000545)
PCB 10	MG/KG	T				0.0000163	0.00000424				ND (0.000000218)		ND (0.000000182)	ND (0.000000311)
PCB 102	MG/KG	T				0.00015	0.0000914				0.0000167		ND (0.000000143)	ND (0.000000196)
PCB 103	MG/KG	T				0.0000384	0.0000141				0.00000292		ND (0.000000141)	ND (0.000000197)
PCB 104	MG/KG	T				ND (0.000000252)	ND (0.00000157)				ND (0.0000000755)		ND (0.000000858)	ND (0.0000000918)
PCB 105	MG/KG	T	0.38	MG/KG		0.00134	0.00128				0.000248		0.000000321 B	0.0000103
PCB 106	MG/KG	T				ND (0.00000173)	ND (0.00000304)				ND (0.000000256)		ND (0.000000115)	ND (0.000000167)
PCB 109	MG/KG	T				0.000165	0.000159				0.0000362		ND (0.000000111)	0.00000146
PCB 11	MG/KG	T				0.0000473	0.000112				0.00002 B		0.00000509 B	0.0000111 B
PCB 110	MG/KG	T				0.00363 J	0.00365 J				0.00114		0.0000013 B	0.0000195
PCB 111	MG/KG	T				0.00000287	ND (0.00000329)				ND (0.000000233)		ND (0.000000112)	ND (0.000000152)
PCB 112	MG/KG	T				ND (0.00000166)	ND (0.00000306)				ND (0.000000255)		ND (0.000000118)	ND (0.000000166)
PCB 114	MG/KG	T	0.38	MG/KG		0.0000728	0.000053				0.0000108		ND (0.00000011)	0.000000425 EMPCJ
PCB 115	MG/KG	T				ND (0.00000163)	ND (0.0000027)				ND (0.000000218)		ND (0.000000111)	ND (0.000000142)
PCB 117	MG/KG	T				0.0000655	0.0000628				ND (0.000000261)		ND (0.000000119)	ND (0.000000171)
PCB 118	MG/KG	T	0.38	MG/KG		0.00307 J	0.00298 J				0.000631		0.000000803 B	0.0000161
PCB 120	MG/KG	T				0.0000107	ND (0.00000273)				ND (0.000000233)		ND (0.000000113)	ND (0.000000153)
PCB 121	MG/KG	T				ND (0.00000188)	ND (0.00000328)				ND (0.000000238)		ND (0.000000114)	ND (0.000000155)
PCB 122	MG/KG	T				0.0000484	0.0000452				0.00000605		ND (0.000000121)	0.000000953 EMPC
PCB 123	MG/KG	T	0.38	MG/KG		0.0000768	0.0000678				0.0000113		ND (0.000000117)	0.000000348 EMPCJ
PCB 126	MG/KG	T	0.00011	MG/KG		0.0000106	0.000014				0.00000199		ND (0.000000129)	0.000000809 J
PCB 127	MG/KG	T				ND (0.00000203)	ND (0.00000325)				ND (0.000000236)		ND (0.000000115)	ND (0.000000154)
PCB 130	MG/KG	T				0.000284	0.000323				0.0000993		ND (0.000000152)	0.0000031
PCB 131	MG/KG	T				0.0000501	0.0000532				0.0000206		ND (0.000000147)	0.000000532 EMPC
PCB 132	MG/KG	T				0.00134	0.0016				0.0006		0.000000704 B	0.0000116
PCB 133	MG/KG	T				0.000103	0.0000715				0.0000201		ND (0.00000014)	0.000000615
PCB 134	MG/KG	T				0.000246	0.000307				0.000111		ND (0.000000159)	0.00000175
PCB 136	MG/KG	T				0.000488	0.00066				0.000249		0.000000347 B	0.00000346
PCB 137	MG/KG	T				0.000204	0.000196				0.0000608		ND (0.000000136)	0.00000138
PCB 14	MG/KG	T				ND (0.000000965)	ND (0.00000855)				0.00000028		ND (0.000000271)	ND (0.000000157)

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB16	S05SB17	S05SB17	S08SB03	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03
					6/10/10	6/18/10	6/18/10	5/5/08	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08
					6	4	4	13	2	2	8	2	2
					8	6	6	15	4	4	9.5	4	4
					FS	FS	FS	FS	DUP	FS	FS	FS	FS
PCB 141	MG/KG	T			0.00072	0.00148				0.000426		0.00000341 B	0.0000116
PCB 142	MG/KG	T			ND (0.00000406)	ND (0.0000229)				ND (0.00000123)		ND (0.00000147)	ND (0.00000139)
PCB 143	MG/KG	T			ND (0.00000368)	ND (0.00000232)				ND (0.00000107)		ND (0.00000132)	ND (0.00000121)
PCB 144	MG/KG	T			0.000171	0.000279				0.0000966		ND (0.00000127)	0.00000164
PCB 145	MG/KG	T			0.00000141	ND (0.0000016)				ND (0.000000844)		ND (0.00000102)	ND (0.00000107)
PCB 146	MG/KG	T			0.000629	0.000696				0.000246		0.00000297 B	0.00000569
PCB 148	MG/KG	T			0.0000344	ND (0.00000205)				0.000000578		ND (0.00000134)	ND (0.00000126)
PCB 15	MG/KG	T			0.00466 J	0.000489				0.0000125		0.000000301 B	0.00000266
PCB 150	MG/KG	T			0.00000836	ND (0.00000162)				0.000000895		ND (0.000000994)	ND (0.00000106)
PCB 152	MG/KG	T			0.00000284	ND (0.00000137)				0.000000954		ND (0.000000947)	ND (0.00000103)
PCB 154	MG/KG	T			0.000103	0.0000237				0.00000833		ND (0.00000115)	ND (0.00000109)
PCB 155	MG/KG	T			ND (0.00000256)	ND (0.00000156)				ND (0.000000773)		ND (0.000000926)	ND (0.000000976)
PCB 158	MG/KG	T			0.000423	0.000616				0.000192		0.00000185 EMPC	0.00000533
PCB 159	MG/KG	T			ND (0.00000115)	ND (0.00000411)				0.0000227		ND (0.00000117)	0.000000792 EMPC
PCB 16	MG/KG	T			0.00107	0.0000896				0.00000393		0.000000266 B	0.00000156 B
PCB 162	MG/KG	T			0.0000158	ND (0.00000468)				0.00000396 EMPC		ND (0.00000117)	0.000000303 EMPC
PCB 164	MG/KG	T			0.000282	0.000397				0.000148		0.000000205	0.00000411
PCB 165	MG/KG	T			0.00000673	ND (0.00000158)				ND (0.000000942)		ND (0.00000112)	ND (0.00000107)
PCB 167	MG/KG	T	0.38	MG/KG	0.000189	0.000266				0.0000665		ND (0.00000118)	0.00000256
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000127)	ND (0.00000523)				0.00000413		0.000000213 J	0.00000045 J
PCB 17	MG/KG	T			0.0013	0.000102				0.00000402		0.000000317 B	0.00000153 B
PCB 170	MG/KG	T			0.000812	0.00214 J				0.000682		0.00000069 B	0.0000287
PCB 172	MG/KG	T			0.00014	0.000366				0.000121		ND (0.0000018)	0.00000517
PCB 174	MG/KG	T			0.000833	0.00224 J				0.000727		0.000000817 B	0.0000236
PCB 175	MG/KG	T			0.0000407	0.000109				0.0000284		ND (0.0000016)	0.000000991
PCB 176	MG/KG	T			0.000134	0.000297				0.0000926		ND (0.000000934)	0.00000238
PCB 177	MG/KG	T			0.000471	0.00118				0.000404		0.00000041 B	0.0000129
PCB 178	MG/KG	T			0.000207	0.000432				0.000151		ND (0.00000133)	0.00000457
PCB 179	MG/KG	T			0.000441	0.000891				0.000309		0.000000328 EMPC	0.00000745
PCB 181	MG/KG	T			0.00000975	ND (0.00000717)				0.00000309		ND (0.00000162)	ND (0.00000201)
PCB 182	MG/KG	T			0.00000594	ND (0.00000609)				ND (0.000000293)		ND (0.00000152)	ND (0.00000194)
PCB 183	MG/KG	T			0.000477	0.00127				0.000404		0.000000468 B	0.000013
PCB 184	MG/KG	T			ND (0.00000215)	ND (0.00000189)				ND (0.000000973)		ND (0.00000101)	ND (0.00000122)
PCB 185	MG/KG	T			0.0000749	0.000279				0.00007 EMPC		ND (0.00000159)	0.00000256
PCB 186	MG/KG	T			ND (0.00000214)	ND (0.0000018)				ND (0.000000952)		ND (0.000000986)	ND (0.00000119)
PCB 187	MG/KG	T			0.00116	0.00273 J				0.000914		0.000000997 B	0.0000299
PCB 188	MG/KG	T			0.00000382 J	ND (0.00000199)				0.000000616 EMPC		ND (0.00000009)	ND (0.00000105)
PCB 189	MG/KG	T	0.38	MG/KG	0.0000376	0.0000845				0.0000229		ND (0.00000102)	0.00000166
PCB 19	MG/KG	T			0.000885	0.0000374				0.00000113		ND (0.00000129)	0.000000408 EMPC
PCB 190	MG/KG	T			0.000173	0.000523				0.000131		ND (0.00000137)	0.00000565
PCB 191	MG/KG	T			0.000035	0.0000981				0.0000279		ND (0.00000132)	0.00000144
PCB 194	MG/KG	T			0.000452	0.00134				0.000465		0.000000454 B	0.0000232
PCB 195	MG/KG	T			0.000142	0.000508				0.000167		ND (0.00000147)	0.00000692
PCB 196	MG/KG	T			0.000236	0.000661				0.000233		ND (0.00000156)	0.0000111
PCB 197	MG/KG	T			0.0000173	0.0000416				0.000014		ND (0.00000113)	0.000000959
PCB 2	MG/KG	T			0.0000125	0.00000829				0.00000221		ND (0.00000136)	0.000000414 EMPC
PCB 200	MG/KG	T			0.0000815	0.000216				0.000063		ND (0.00000114)	0.00000256
PCB 201	MG/KG	T			0.0000806	0.000194				0.0000556		ND (0.00000111)	0.0000028
PCB 202	MG/KG	T			0.000195	0.000366				0.0000922		ND (0.00000112)	0.00000407
PCB 203	MG/KG	T			0.000401	0.000919				0.000317		0.000000342 B	0.0000174
PCB 204	MG/KG	T			ND (0.00000523)	ND (0.00000278)				ND (0.00000143)		ND (0.00000115)	ND (0.00000187)
PCB 205	MG/KG	T			0.0000242	0.0000742				0.0000196		ND (0.00000108)	0.00000168
PCB 206	MG/KG	T			0.000714	0.00154				0.000399		0.000000394 EMPC	0.0000324

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB16	S05SB17	S05SB17	S08SB03	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03
					6/10/10	6/18/10	6/18/10	5/5/08	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08
PCB 207	MG/KG	T			0.0000667	0.000118				0.0000477		ND (0.00000168)	0.00000382
PCB 208	MG/KG	T			0.000247	0.000418				0.00011		ND (0.00000182)	0.00000522
PCB 209	MG/KG	T			0.00713 J	0.0246 J				0.00826 J		0.00000407	0.000191
PCB 22	MG/KG	T			0.00205 J	0.000266				0.00000735		0.00000021 B	0.00000125 B
PCB 23	MG/KG	T			0.00000446	ND (0.00000308)				ND (0.00000144)		ND (0.00000144)	ND (0.00000145)
PCB 24	MG/KG	T			0.0000345	0.00000479				ND (0.000000121)		ND (0.000000107)	ND (0.000000174)
PCB 25	MG/KG	T			0.000643	0.0000559				0.00000143		ND (0.00000013)	0.000000329
PCB 27	MG/KG	T			0.000504	0.0000325				0.000000807		ND (0.000000101)	0.000000289 EMPC
PCB 3	MG/KG	T			0.000107	0.0000335 EMPC				0.000000858		0.000000339 EMPC	0.000000674 EMPC
PCB 31	MG/KG	T			0.00635 J	0.000643				0.0000192		0.000000475 B	0.00000027 B
PCB 32	MG/KG	T			0.00173 J	0.000136				0.00000464		0.000000191 B	0.00000119 B
PCB 34	MG/KG	T			0.0000226	ND (0.00000274)				ND (0.00000014)		ND (0.000000139)	ND (0.000000141)
PCB 35	MG/KG	T			0.0000737	0.0000184				0.00000638		ND (0.000000147)	0.00000038 EMPC
PCB 36	MG/KG	T			ND (0.000000628)	ND (0.00000245)				ND (0.000000133)		ND (0.000000138)	0.00000004
PCB 37	MG/KG	T			0.00275 J	0.000488				0.0000161		0.000000206	0.00000185
PCB 38	MG/KG	T			0.00000365 J	ND (0.00000288)				ND (0.000000146)		ND (0.000000149)	ND (0.000000147)
PCB 39	MG/KG	T			0.0000232	ND (0.00000279)				ND (0.000000136)		ND (0.000000136)	ND (0.000000137)
PCB 4	MG/KG	T			0.000529	0.000066				0.0000014		0.000000278	0.00000123
PCB 41	MG/KG	T			0.000304	0.0000453				0.00000236		ND (0.000000135)	0.000000337
PCB 42	MG/KG	T			0.00144	0.00027				0.0000108		ND (0.000000123)	0.00000163
PCB 43	MG/KG	T			0.000155	0.0000195 EMPC				ND (0.000000182)		ND (0.000000139)	ND (0.000000167)
PCB 45	MG/KG	T			0.00111	0.000133				0.00000651		ND (0.000000135)	0.000001 EMPC
PCB 46	MG/KG	T			0.000337	0.0000458				0.00000395		ND (0.000000134)	0.000000336 EMPC
PCB 48	MG/KG	T			0.000572	0.000119				0.00000539		ND (0.000000116)	0.000000798
PCB 5	MG/KG	T			0.0000219	0.00000723				0.000000433		0.00000033 B	0.000000435
PCB 51	MG/KG	T			0.000236	0.0000575				0.0000019		ND (0.000000101)	0.000000504 EMPC
PCB 52	MG/KG	T			0.00529 J	0.00172				0.000198		0.000000659 B	0.00000604
PCB 54	MG/KG	T			0.0000209	ND (0.00000196)				0.00000014 EMPC		ND (0.0000000828)	ND (0.000000102)
PCB 55	MG/KG	T			0.0000424	0.0000136				ND (0.000000322)		ND (0.000000113)	ND (0.000000176)
PCB 56	MG/KG	T			0.00137	0.00055				0.0000292		0.000000151	0.0000115
PCB 57	MG/KG	T			0.0000193	0.00000534				ND (0.000000315)		ND (0.000000108)	ND (0.000000172)
PCB 58	MG/KG	T			0.00001	ND (0.00000422)				ND (0.000000312)		ND (0.0000001)	ND (0.00000017)
PCB 6	MG/KG	T			0.000635	0.0000942				0.00000103		ND (0.00000032)	0.00000111
PCB 60	MG/KG	T			0.000724	0.000228				0.0000153		ND (0.000000108)	0.00000093
PCB 63	MG/KG	T			0.000148	0.0000405				0.00000217		ND (0.0000000989)	ND (0.000000157)
PCB 64	MG/KG	T			0.00194 J	0.000725				0.0000355		0.000000213	0.00000341
PCB 66	MG/KG	T			0.00336 J	0.000988				0.0000756		0.000000216 EMPC	0.00000339
PCB 67	MG/KG	T			0.0000957	0.0000205 EMPC				0.00000102		ND (0.0000000958)	ND (0.00000016)
PCB 68	MG/KG	T			0.0000203	0.00000826				ND (0.000000282)		ND (0.0000000987)	0.000000257
PCB 7	MG/KG	T			0.0000494	0.0000112				0.000000194		ND (0.000000313)	ND (0.00000018)
PCB 72	MG/KG	T			0.0000335	0.0000151				ND (0.000000295)		ND (0.000000104)	ND (0.000000161)
PCB 73	MG/KG	T			ND (0.000000273)	0.00000385 EMPC				ND (0.000000106)		ND (0.0000000882)	ND (0.0000000969)
PCB 77	MG/KG	T	0.11	MG/KG	0.000428	0.000177				0.0000175		0.000000186 J	0.00000331
PCB 78	MG/KG	T			ND (0.0000027)	ND (0.00000465)				ND (0.000000313)		ND (0.000000109)	ND (0.000000171)
PCB 79	MG/KG	T			0.0000214	0.0000169				0.0000047		ND (0.000000093)	ND (0.000000149)
PCB 8	MG/KG	T			0.00408 J	0.000323				0.00000755		0.000000791 B	0.00000293 B
PCB 80	MG/KG	T			ND (0.00000272)	ND (0.00000462)				ND (0.00000028)		ND (0.0000000954)	ND (0.000000153)
PCB 81	MG/KG	T	0.038	MG/KG	0.0000179	0.00000998				ND (0.000000301)		ND (0.000000103)	ND (0.000000164)
PCB 82	MG/KG	T			0.000532	0.000348				0.000076		ND (0.000000181)	0.00000394
PCB 83	MG/KG	T			0.000225	0.000112				0.0000451		ND (0.000000195)	0.00000117
PCB 84	MG/KG	T			0.000997	0.000542				0.000226		ND (0.000000174)	0.00000299
PCB 88	MG/KG	T			ND (0.00000325)	ND (0.00000475)				ND (0.000000364)		ND (0.000000188)	ND (0.000000238)
PCB 89	MG/KG	T			0.0000709	0.0000307				0.00000581		ND (0.000000162)	ND (0.000000226)

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S05SB16	S05SB17	S05SB17	S08SB03	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03
					6/10/10	6/18/10	6/18/10	5/5/08	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08
PCB 9	MG/KG	T			0.000106	0.0000163				0.00000728		0.00000226 B	0.000000785
PCB 91	MG/KG	T			0.000546	0.00043				0.0000888		ND (0.00000129)	0.00000115
PCB 92	MG/KG	T			0.000864	0.000508				0.000133		0.000000195 EMPC	0.00000187
PCB 94	MG/KG	T			0.0000288	0.000015 EMPC				0.00000255		ND (0.000000164)	ND (0.000000232)
PCB 95	MG/KG	T			0.00266 J	0.00198				0.000783		0.000000804 B	0.00000831
PCB 96	MG/KG	T			0.0000437	0.0000207				0.00000416		ND (0.0000001)	ND (0.000000106)
PCB 98	MG/KG	T			ND (0.00000227)	ND (0.00000361)				ND (0.000000331)		ND (0.00000015)	ND (0.000000216)
PCB 99	MG/KG	T			0.00148	0.00111				0.000239		0.000000418	0.00000414
PCB-100/93	MG/KG	T			0.000045	0.0000196 EMPC				0.00000311		ND (0.00000014)	ND (0.000000206)
PCB-107/124	MG/KG	T			0.000134	0.000121				0.0000258		ND (0.000000115)	0.000000785
PCB-108/119/86/97/125/87	MG/KG	T			0.00251 J	0.00199 J				0.0004		0.000000894	0.00000782
PCB-113/90/101	MG/KG	T			0.0035 J	0.00293 J				0.000706		0.00000106 B	0.0000107
PCB-116/85	MG/KG	T			0.000774	0.000586				0.00011		ND (0.000000135)	0.00000244
PCB-128/166	MG/KG	T			0.000693	0.000965				0.00026		0.000000316	0.00000732
PCB-13/12	MG/KG	T			0.000366	0.000111				0.00000229		ND (0.000000326)	0.000000802
PCB-139/140	MG/KG	T			0.0000905	0.0000622				0.00002		ND (0.000000128)	0.000000416
PCB-147/149	MG/KG	T			0.0029 J	0.00413 J				0.00152		0.00000177 B	0.0000277
PCB-151/135	MG/KG	T			0.00135	0.00187				0.000659		0.00000082 B	0.0000118
PCB-153/168	MG/KG	T			0.00326 J	0.00497 J				0.00159		0.00000156 B	0.0000398
PCB-156/157	MG/KG	T			0.00051	0.000763				0.000161		0.00000021 J	0.00000745
PCB-163/138/129	MG/KG	T			0.00467 J	0.00644 J				0.00196		0.00000207 B	0.0000537
PCB-171/173	MG/KG	T			0.000244	0.000603				0.000209		0.000000256 EMPC	0.00000713
PCB-180/193	MG/KG	T			0.0018 J	0.00462 J				0.00164		0.00000156 B	0.0000672
PCB-198/199	MG/KG	T			0.000789	0.00178				0.000575		0.000000554 B	0.0000279
PCB-21/33	MG/KG	T			0.00286 J	0.000379				0.00000964		0.000000354 B	0.00000224 B
PCB-26/29	MG/KG	T			0.00154	0.000122				0.00000256		ND (0.000000139)	0.00000062
PCB-28/20	MG/KG	T			0.00735 J	0.000753				0.0000231		0.000000576 B	0.00000352 B
PCB-30/18	MG/KG	T			0.00346 J	0.000263				0.0000106		0.000000667 B	0.00000323 B
PCB-44/47/65	MG/KG	T			0.00488 J	0.00117				0.0000818		0.000000678 B	0.0000069
PCB-50/53	MG/KG	T			0.00111	0.000217				0.0000115		ND (0.000000109)	0.00000086
PCB-59/62/75	MG/KG	T			0.000521	0.000137				0.00000359		ND (0.0000000861)	0.000000471
PCB-61/70/74/76	MG/KG	T			0.0054 J	0.0018				0.000219		0.00000062 B	0.0000059
PCB-69/49	MG/KG	T			0.00327 J	0.000915				0.0000399		0.000000326 B	0.00000263
PCB-71/40	MG/KG	T			0.00198 J	0.000435				0.000022		ND (0.000000109)	0.00000807
TOTAL DICHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.0105	0.00123				0.0000464		0.00000905 B	0.000021 B
TOTAL HEPTACHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.00711 J	0.0179				0.00594 EMPC		0.00000553 B	0.000214
TOTAL HEXACHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.0188	0.0262				0.00854 EMPC		0.00000903 B	0.000203 EMPC
TOTAL MONOCHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.00016	0.0000641 EMPC				0.0000131		0.000000339 EMPC	0.00000109 EMPC
TOTAL NONACHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.00103	0.00207				0.000557		0.000000394 EMPC	0.00000414
TOTAL OCTACHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.00242	0.0061				0.002		0.00000135 B	0.0000987
TOTAL PENTACHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.0231	0.0192 EMPC				0.00496		0.0000058 B	0.0000953 EMPC
TOTAL TETRACHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.0349	0.00988 EMPC				0.000787 EMPC		0.00000305 B	0.0000583 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.0327 J	0.00339				0.000111		0.00000326 B	0.0000215 B
ALUMINUM	MG/KG	T	990000	MG/KG	13000		12300		9380	8060	8730	10200	14700
ANTIMONY	MG/KG	T	410	MG/KG	5.11 J		24.1 J		3.11 J	2.84 J	4.18 J	3.11 J	ND (1.22) UJ
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 5.71		<sup>^</sup> 4.97 J		<sup>^</sup> 2.45 J	<sup>^</sup> 3.41 J	<sup>^</sup> 2.67 J	<sup>^</sup> 4.08	<sup>^</sup> 3.26 J
BARIUM	MG/KG	T	190000	MG/KG	84.7		71.4 J		47.2	53.5	164	12	30.3
BERYLLIUM	MG/KG	T	2000	MG/KG	0.762		0.576		0.353 J	0.279 J	0.313 J	1.04	2.63
CADMIUM	MG/KG	T	800	MG/KG	1.64		0.946		0.193 J	0.245 J	ND (0.16)	ND (0.853)	ND (0.769)
CALCIUM	MG/KG	T			4110		2100		2040	2770	1010	462	496
CHROMIUM	MG/KG	T			52 J		38.6 J		37.1 J	30.8 J	173 J	89.9	51.4 J
COBALT	MG/KG	T	300	MG/KG	5.35		5.77		0.937	0.493 J	ND (4.35)	0.417 J	3.33
COPPER	MG/KG	T	41000	MG/KG	1410		87.2		82.8 J	86 J	80 J	12.6 J	39 J

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 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB16	S05SB17	S05SB17	S08SB03	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03
				Date	6/10/10	6/18/10	6/18/10	5/5/08	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08
				Top (ft)	6	4	4	13	2	2	8	2	2
				Bottom (ft)	8	6	6	15	4	4	9.5	4	4
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS			
IRON	MG/KG	T	720000	MG/KG	25400		22200		11600	11800	18400	59800	87200
LEAD	MG/KG	T	800	MG/KG	109		^1220		102	175	433	4.73	8.84
MAGNESIUM	MG/KG	T			1890		1910		1380 J	858 J	1180 J	416	353 J
MANGANESE	MG/KG	T	23000	MG/KG	170 J		150 J		430	529	113	30.2	94
MERCURY	MG/KG	T	43	MG/KG	0.159		0.332 J		0.0992 J	0.0794 J	0.422	ND (0.0143)	ND (0.0124)
NICKEL	MG/KG	T	20000	MG/KG	46.3 J		19.4		23.2	23.6	10.7	8.31	21.1
POTASSIUM	MG/KG	T			1040 J		891 J		446 J	337 J	1120 J	199 J	315 J
SELENIUM	MG/KG	T	5100	MG/KG			ND (1.1) UJ		ND (1.2) UJ	ND (1.16) UJ	ND (1.12) UJ	ND (1.19)	1.15 J
SILVER	MG/KG	T	5100	MG/KG	0.332 J		0.443 J		ND (0.209)	ND (0.201)	0.882	ND (0.207)	ND (0.187)
SODIUM	MG/KG	T			75.7 J		95.4 J		860 J	1020 J	851 J	271	70.1 B
THALLIUM	MG/KG	T	10	MG/KG	ND (1.71)		1.76 J		ND (0.184) R	0.669 J	ND (0.17) R	ND (0.0941)	ND (0.165) R
TITANIUM	MG/KG	T							1880	2480	5150	376 J	714
VANADIUM	MG/KG	T			65.2		47		18.3	14.2	30.4	228	78.6
ZINC	MG/KG	T	310000	MG/KG	448		65.1		260	262	53.7	7.89	74.5
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T						861 J	ND (286)	ND (387)	ND (576)	ND (444)	ND (362)
DRO C10-C28	MG/KG	T											
HPCDFS	MG/KG	T								0.0000486		0.000000125	0.0000058
ORO >C28 - C35	MG/KG	T											



**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB04	S13SB05	S13SB06	S13SB08	S13SB08	S13SB09	S13SB10	S13SB10	S13SB11
					5/27/08	5/27/08	5/27/08	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08
					6	5.5	7.5	4	11.5	4	6	8.5	7.5
					8	7.5	9.5	6	13.5	6	8	10	9
					FS	FS	FS	FS	FS	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)	ND (4)	ND (4)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
ACETONE	UG/KG	T	630000000	UG/KG	18 J	ND (8)	ND (8)	14 J	8 J	7 J	14 J	ND (8)	8 J
BENZENE	UG/KG	T	5400	UG/KG	ND (0.6)	ND (0.6)	ND (0.6)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.4)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	2 J
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
CHLOROBENZENE	UG/KG	T	1400000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
CHLOROFORM	UG/KG	T	1500	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
CUMENE	UG/KG	T	11000000	UG/KG									
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (5)	ND (5)	ND (5)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)	ND (4)
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
TOLUENE	UG/KG	T	4500000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)
2,4-DIMETHYLPHENOL	UG/KG	T	1200000	UG/KG	ND (80)	ND (84)	ND (81)	ND (74)	ND (80)	ND (80)	ND (74)	ND (86)	ND (76)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	6200000	UG/KG	ND (80)	ND (84)	ND (81)	ND (74)	ND (80)	ND (80)	ND (74)	ND (86)	ND (76)
ACENAPHTHENE	UG/KG	T	3300000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
ACENAPHTHYLENE	UG/KG	T		UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
ANTHRACENE	UG/KG	T	17000000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
<b>BENZO(A)ANTHRACENE</b>	UG/KG	T	2100	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	80 J
<b>BENZO(B)FLUORANTHENE</b>	UG/KG	T	2100	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	95 J
BENZO(G,H,I)PERYLENE	UG/KG	T		UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	43 J
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	39 J
<b>BENZO(A)PYRENE</b>	UG/KG	T	210	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	67 J
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (80)	ND (84)	ND (81)	ND (74)	ND (80)	ND (80)	78 J	ND (86)	ND (76)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (80)	ND (84)	ND (81)	ND (74)	ND (80)	ND (80)	ND (74)	ND (86)	ND (76)
CARBAZOLE	UG/KG	T		UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
CHRYSENE	UG/KG	T	210000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	85 J
<b>DIBENZ(A,H)ANTHRACENE</b>	UG/KG	T	210	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
DIETHYL PHTHALATE	UG/KG	T	49000000	UG/KG	ND (80)	ND (84)	ND (81)	ND (74)	ND (80)	ND (80)	ND (74)	ND (86)	ND (76)
DI-N-BUTYL PHTHALATE	UG/KG	T	6200000	UG/KG	ND (80)	ND (84)	ND (81)	ND (74)	ND (80)	ND (80)	ND (74)	ND (86)	ND (76)
FLUORANTHENE	UG/KG	T	2200000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	220
FLUORENE	UG/KG	T	2200000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
<b>HEXACHLOROBENZENE</b>	UG/KG	T	1100	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
<b>INDENO (1,2,3-CD) PYRENE</b>	UG/KG	T	2100	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	39 J
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
PHENANTHRENE	UG/KG	T		UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	100 J
PHENOL	UG/KG	T	18000000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	ND (38)
PYRENE	UG/KG	T	1700000	UG/KG	ND (40)	ND (42)	ND (41)	ND (37)	ND (40)	ND (40)	ND (37)	ND (43)	180 J
1,2,3,4,6,7,8-HPCDD	MG/KG	T			ND (0.000000271)	ND (0.000000252)		0.00000682		0.00000979	0.00000714		0.0000308
1,2,3,4,6,7,8-HPCDF	MG/KG	T			ND (0.000000149)	ND (0.000000118)		ND (0.000000225) UJ		0.0000134	ND (0.000000657)		0.0000103
1,2,3,4,7,8,9-HPCDF	MG/KG	T			ND (0.000000215)	ND (0.000000178)		ND (0.0000000593)		0.0000019 J	ND (0.0000000924)		0.00000259
1,2,3,4,7,8-HXCDD	MG/KG	T			ND (0.000000252)	ND (0.000000195)		ND (0.000000117)		0.000000736 J	ND (0.00000014)		0.000000339 J
1,2,3,4,7,8-HXCDF	MG/KG	T			ND (0.0000000783)	ND (0.000000139)		ND (0.0000000677)		0.00000174 J	ND (0.0000000715)		0.00000187 J
1,2,3,6,7,8-HXCDD	MG/KG	T			ND (0.000000278)	ND (0.000000207)		ND (0.000000113)		0.00000133 J	ND (0.000000236) UJ		0.00000067 EMP C J
1,2,3,6,7,8-HXCDF	MG/KG	T			ND (0.000000069)	ND (0.000000122)		ND (0.0000000603)		0.000000876 J	ND (0.0000000671)		0.000000647 J

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< and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB04	S13SB05	S13SB06	S13SB08	S13SB08	S13SB09	S13SB10	S13SB10	S13SB11
					5/27/08	5/27/08	5/27/08	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08
					6	5.5	7.5	4	11.5	4	6	8.5	7.5
					8	7.5	9.5	6	13.5	6	8	10	9
					FS	FS	FS	FS	FS	FS	FS	FS	FS
1,2,3,7,8,9-HXCDD	MG/KG	T			ND (0.000000275)	ND (0.000000215)		0.000000453 J		0.00000164 J	ND (0.000000236) UJ		0.000000623 J
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000000104)	ND (0.000000183)		ND (0.0000000871)		0.000000711 J	ND (0.0000000926)		0.000000429 EMPC J
1,2,3,7,8-PECDD	MG/KG	T			ND (0.000000099)	ND (0.000000135)		ND (0.0000000974)		0.000000327 J	ND (0.000000108)		ND (0.000000234) UJ
1,2,3,7,8-PECDF	MG/KG	T			ND (0.000000102)	ND (0.000000109)		ND (0.000000127)		0.000000446 J	ND (0.0000000859)		0.000000662 J
2,3,4,6,7,8-HXCDF	MG/KG	T			ND (0.0000000819)	ND (0.000000134)		ND (0.0000000674)		0.00000067 EMPC J	ND (0.000000075)		0.000000556 J
2,3,4,7,8-PECDF	MG/KG	T			ND (0.000000092)	ND (0.0000000944)		ND (0.000000107)		0.000000447 J	ND (0.0000000748)		0.000000632 J
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000107)	ND (0.0000000587)		ND (0.0000000766)		0.000000116 EMPC J	ND (0.0000000759)		0.000000515 EMPC
2,3,7,8-TCDF	MG/KG	T			ND (0.0000000684)	ND (0.0000000575)		ND (0.0000000572)		0.000000233 J	ND (0.000000147)		0.000000869
HPCDD	MG/KG	T			ND (0.000000271)	ND (0.000000252)		0.0000146		0.000227	0.0000164		0.0000774
HXCDD	MG/KG	T			ND (0.000000268)	ND (0.000000206)		0.00000497 EMPC		0.0000399	0.00000228		0.000016 EMPC
HXCDFS	MG/KG	T			ND (0.0000000821)	ND (0.000000142)		ND (0.0000000698)		0.00000958 EMPC	ND (0.0000000757)		0.00000895 EMPC
OCDD	MG/KG	T			0.00000101 J	0.00000221 J		0.000583		0.0101 J	0.00077		0.00198
OCDF	MG/KG	T			ND (0.000000492) UJ	ND (0.000000244)		0.00000659		0.000112	0.000000552 J		0.000293
TCDD	MG/KG	T			0.000000425	ND (0.0000000587)		0.00000251		0.00000198 EMPC	0.000000465		0.00000305 EMPC
TCDFS	MG/KG	T			ND (0.0000000684)	ND (0.0000000575)		ND (0.0000000572)		0.00000507 EMPC	ND (0.000000147)		0.0000158 EMPC
TOTAL HPCDD	MG/KG	T											
TOTAL HPCDF	MG/KG	T											
TOTAL HXCDD	MG/KG	T											
TOTAL HXCDF	MG/KG	T											
TOTAL PECDD	MG/KG	T											
TOTAL PECDDS	MG/KG	T			ND (0.000000099)	ND (0.000000135)		0.00000151		0.00000752 EMPC	0.000000214		0.00000382 EMPC
TOTAL PECDF	MG/KG	T											
TOTAL PECDFS	MG/KG	T			ND (0.0000000967)	ND (0.000000102)		ND (0.000000117)		0.00000544 EMPC	ND (0.0000000802)		0.00000744 EMPC
PCB 1	MG/KG	T			0.000000206 EMPC	ND (0.000000255)		0.000000204 EMPC		ND (0.000000287)	ND (0.00000018)		0.0000272
PCB 10	MG/KG	T			ND (0.000000114)	ND (0.000000206)		ND (0.000000207)		ND (0.0000001)	ND (0.000000133)		0.00000039
PCB 102	MG/KG	T			ND (0.000000113)	ND (0.000000154)		ND (0.000000105)		0.00000115	ND (0.000000109)		0.00000894
PCB 103	MG/KG	T			ND (0.00000012)	ND (0.000000163)		ND (0.000000106)		ND (0.0000000857)	ND (0.000000109)		0.00000247
PCB 104	MG/KG	T			ND (0.0000000737)	ND (0.0000000999)		ND (0.0000000742)		ND (0.0000000415)	ND (0.0000000658)		ND (0.0000000865)
PCB 105	MG/KG	T	0.38	MG/KG	0.000000596 B	0.000000312 B		0.00000058 J		0.0000143	0.000000214 J		0.000122
PCB 106	MG/KG	T			ND (0.000000101)	ND (0.000000137)		ND (0.0000000896)		ND (0.0000000715)	ND (0.0000000906)		ND (0.000000245)
PCB 109	MG/KG	T			ND (0.0000000904)	ND (0.000000123)		ND (0.000000081)		0.00000231	ND (0.0000000848)		0.0000206
PCB 11	MG/KG	T			0.00000545 B	0.00000523 B		0.00000634 B		0.00000497 B	0.0000031 B		0.00000877 B
PCB 110	MG/KG	T			0.00000107 B	0.000000822 B		0.00000265		0.0000631	0.00000064		0.000465
PCB 111	MG/KG	T			ND (0.0000000947)	ND (0.000000129)		ND (0.0000000816)		ND (0.0000000667)	ND (0.0000000846)		ND (0.000000238)
PCB 112	MG/KG	T			ND (0.000000102)	ND (0.000000139)		ND (0.0000000891)		ND (0.0000000701)	ND (0.0000000889)		ND (0.000000251)
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.0000000937)	ND (0.000000129)		ND (0.0000000822)		0.000000794 J	ND (0.0000000862)		0.00000617
PCB 115	MG/KG	T			ND (0.0000000993)	ND (0.000000135)		ND (0.0000000762)		ND (0.0000000679)	ND (0.0000000861)		ND (0.000000235)
PCB 117	MG/KG	T			ND (0.0000000944)	ND (0.000000129)		ND (0.0000000915)		ND (0.0000000793)	ND (0.000000101)		0.00000756
PCB 118	MG/KG	T	0.38	MG/KG	0.0000012 B	0.000000704 B		0.00000121 B		0.0000347	0.000000368 B		0.000286
PCB 120	MG/KG	T			ND (0.0000000947)	ND (0.000000129)		ND (0.0000000817)		ND (0.000000067)	ND (0.000000085)		ND (0.00000024)
PCB 121	MG/KG	T			ND (0.0000000963)	ND (0.000000131)		ND (0.0000000831)		ND (0.000000068)	ND (0.0000000863)		ND (0.000000243)
PCB 122	MG/KG	T			ND (0.000000105)	ND (0.000000145)		ND (0.0000000899)		0.000000391 EMPC	ND (0.0000000952)		0.00000405
PCB 123	MG/KG	T	0.38	MG/KG	ND (0.0000000968)	ND (0.000000132)		ND (0.000000086)		0.000000757 J	ND (0.0000000907)		0.00000528
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.000000131)	ND (0.00000016)		ND (0.000000112)		0.000000415 J	ND (0.0000000927)		0.00000164
PCB 127	MG/KG	T			ND (0.000000095)	ND (0.000000123)		ND (0.0000000819)		ND (0.0000000686)	ND (0.000000086)		0.000000727 EMPC
PCB 130	MG/KG	T			ND (0.000000107)	ND (0.000000135)		0.000000358		0.00000571	ND (0.0000000996)		0.0000435
PCB 131	MG/KG	T			ND (0.00000011)	ND (0.00000014)		ND (0.000000114)		0.00000111	ND (0.0000000986)		0.00000864
PCB 132	MG/KG	T			0.000000597 B	0.00000031 B		0.00000163		0.0000308	0.000000292		0.000253
PCB 133	MG/KG	T			ND (0.000000103)	ND (0.00000013)		ND (0.000000105)		0.00000122	ND (0.0000000915)		0.0000102
PCB 134	MG/KG	T			ND (0.000000124)	ND (0.000000157)		ND (0.000000131)		0.00000535	ND (0.000000105)		0.0000424
PCB 136	MG/KG	T			0.000000166 B	ND (0.000000101)		0.000000715		0.000012	ND (0.0000000569)		0.0000902
PCB 137	MG/KG	T			ND (0.0000000918)	ND (0.000000116)		0.000000123 EMPC		0.00000351	ND (0.0000000904)		0.000024
PCB 14	MG/KG	T			ND (0.000000225)	ND (0.000000269)		ND (0.00000016)		ND (0.0000000746)	ND (0.000000119)		0.00000109

EPA\_SL\_IndSoil\_05/12  
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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB04	S13SB05	S13SB06	S13SB08	S13SB08	S13SB09	S13SB10	S13SB10	S13SB11
					5/27/08	5/27/08	5/27/08	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08
					6	5.5	7.5	4	11.5	4	6	8.5	7.5
					8	7.5	9.5	6	13.5	6	8	10	9
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	MG/KG	T			0.000000488 B	ND (0.000000123)		0.000000866		0.0000202	0.000000196		0.000146
PCB 142	MG/KG	T			ND (0.00000011)	ND (0.000000139)		ND (0.000000113)		ND (0.000000664)	ND (0.000000969)		ND (0.000000159)
PCB 143	MG/KG	T			ND (0.000000972)	ND (0.000000123)		ND (0.000000978)		ND (0.000000606)	ND (0.000000885)		ND (0.000000143)
PCB 144	MG/KG	T			ND (0.000000954)	ND (0.000000121)		0.000000272		0.00000478	ND (0.000000844)		0.0000358
PCB 145	MG/KG	T			ND (0.000000734)	ND (0.000000102)		ND (0.000000822)		ND (0.000000491)	ND (0.000000572)		ND (0.000000995)
PCB 146	MG/KG	T			0.000000279 B	ND (0.000000115)		0.000000563 EMPC		0.0000133	0.000000164		0.0000982
PCB 148	MG/KG	T			ND (0.000000101)	ND (0.000000128)		ND (0.000000102)		ND (0.000000059)	ND (0.000000861)		0.00000466 EMPC
PCB 15	MG/KG	T			0.000000352 B	0.000000352 B		0.000000484		0.00000205	0.000000198		0.0000257
PCB 150	MG/KG	T			ND (0.000000699)	ND (0.000000971)		ND (0.000000818)		ND (0.000000047)	ND (0.000000548)		0.000000573
PCB 152	MG/KG	T			ND (0.000000689)	ND (0.000000956)		ND (0.000000796)		ND (0.000000465)	ND (0.000000542)		0.000000429
PCB 154	MG/KG	T			ND (0.000000867)	ND (0.00000011)		ND (0.000000887)		0.000000541 EMPC	ND (0.000000761)		0.00000582
PCB 155	MG/KG	T			ND (0.000000679)	ND (0.000000942)		ND (0.000000753)		ND (0.000000455)	ND (0.000000053)		ND (0.000000907)
PCB 158	MG/KG	T			0.00000031 EMPC	ND (0.000000873)		0.000000474 EMPC		0.0000102	0.0000001 EMPC		0.0000689
PCB 159	MG/KG	T			0.000000181 EMPC	ND (0.000000145)		ND (0.000000119)		0.00000134	ND (0.000000992)		0.00000975
PCB 16	MG/KG	T			0.000000361 B	ND (0.000000232)		0.000000532 B		0.0000015 B	0.000000305 B		0.000019
PCB 162	MG/KG	T			ND (0.000000981)	ND (0.000000143)		ND (0.000000117)		0.000000321 EMPC	ND (0.000000097)		0.00000223
PCB 164	MG/KG	T			ND (0.000000757)	ND (0.000000958)		0.000000457		0.00000765	ND (0.000000665)		0.0000553
PCB 165	MG/KG	T			ND (0.000000831)	ND (0.000000105)		ND (0.000000864)		ND (0.000000501)	ND (0.000000732)		ND (0.000000121)
PCB 167	MG/KG	T	0.38	MG/KG	0.000000171 J	ND (0.000000145)		ND (0.000000122)		0.00000383	ND (0.000000102)		0.000026
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.000000108)	ND (0.000000144)		ND (0.000000121)		0.000000433 J	ND (0.000000967)		ND (0.00000043)
PCB 17	MG/KG	T			0.00000046 B	0.000000439 B		0.000000552 B		0.00000146 B	0.000000309 B		0.0000172
PCB 170	MG/KG	T			0.00000277	0.000001 B		0.00000171		0.00000374	ND (0.000000136)		0.000268
PCB 172	MG/KG	T			0.000000594	ND (0.000000216)		0.000000335		0.00000692	ND (0.00000014)		0.0000481
PCB 174	MG/KG	T			0.00000417	0.00000142 B		0.00000181		0.0000039	ND (0.00000013)		0.00026
PCB 175	MG/KG	T			ND (0.000000163)	ND (0.000000208)		ND (0.000000115)		0.00000175	ND (0.000000128)		0.0000105
PCB 176	MG/KG	T			0.000000221	ND (0.000000118)		0.000000273		0.00000492	ND (0.000000924)		0.0000322
PCB 177	MG/KG	T			0.00000162 B	ND (0.000000216)		0.000001		0.0000219	ND (0.000000136)		0.000158
PCB 178	MG/KG	T			0.00000069	ND (0.000000159)		0.000000464 EMPC		0.0000095	ND (0.000000131)		0.0000589
PCB 179	MG/KG	T			0.000000949	0.000000492		0.000000822		0.0000174	ND (0.000000964)		0.000113
PCB 181	MG/KG	T			ND (0.000000157)	ND (0.00000002)		ND (0.000000112)		0.000000282 EMPC	ND (0.000000128)		0.00000131
PCB 182	MG/KG	T			ND (0.00000015)	ND (0.000000191)		ND (0.000000108)		ND (0.000000126)	ND (0.000000121)		ND (0.000000399)
PCB 183	MG/KG	T			0.00000227 B	0.000000722 B		0.000001		0.0000213	ND (0.000000116)		0.000154
PCB 184	MG/KG	T			ND (0.000000904)	ND (0.00000013)		ND (0.000000074)		ND (0.0000000564)	ND (0.0000001)		ND (0.0000001)
PCB 185	MG/KG	T			0.000000746	ND (0.000000203)		0.0000003 EMPC		0.00000443 EMPC	ND (0.000000139)		0.0000292
PCB 186	MG/KG	T			ND (0.000000852)	ND (0.000000122)		ND (0.0000000724)		ND (0.0000000545)	ND (0.0000000972)		ND (0.000000978)
PCB 187	MG/KG	T			0.00000619	0.00000217 B		0.00000255		0.00000566	ND (0.000000124)		0.000342
PCB 188	MG/KG	T			ND (0.000000782)	ND (0.000000112)		ND (0.0000000639)		0.000000131	ND (0.000000865)		0.000000301
PCB 189	MG/KG	T	0.38	MG/KG	ND (0.000000957)	ND (0.00000015)		ND (0.000000107)		0.00000167	ND (0.000000822)		0.0000963
PCB 19	MG/KG	T			ND (0.000000177)	ND (0.000000183)		ND (0.000000165)		0.000000425	ND (0.000000126)		0.00000355
PCB 190	MG/KG	T			0.00000104	ND (0.000000159)		0.000000368		0.00000737	ND (0.000000979)		0.0000488
PCB 191	MG/KG	T			ND (0.000000122)	ND (0.000000155)		ND (0.0000000889)		0.00000166	ND (0.000000101)		0.0000107
PCB 194	MG/KG	T			0.0000193	0.00000638		0.00000159		0.0000314	ND (0.000000131)		0.000199
PCB 195	MG/KG	T			0.00000451	0.00000156		0.00000042		0.00000975	ND (0.00000014)		0.0000692
PCB 196	MG/KG	T			0.00000682	0.00000255		0.000000753 EMPC		0.000018	ND (0.000000121)		0.0000973
PCB 197	MG/KG	T			0.000000262	ND (0.000000169)		ND (0.000000937)		0.00000208	ND (0.000000896)		0.0000711
PCB 2	MG/KG	T			ND (0.000000104)	ND (0.000000154)		0.000000278 EMPC		0.0000011 EMPC	ND (0.000000826)		0.00000711
PCB 200	MG/KG	T			0.00000128	0.000000464 EMPC		0.000000237 EMPC		0.00000397	ND (0.000000877)		0.0000241
PCB 201	MG/KG	T			0.00000102	0.000000389		0.00000024 EMPC		0.00000526	ND (0.000000872)		0.0000254
PCB 202	MG/KG	T			0.00000138	0.000000559 B		0.000000582		0.00000895	ND (0.000000872)		0.0000449
PCB 203	MG/KG	T			0.0000115	0.00000418		0.00000169		0.0000291	ND (0.000000111)		0.000139
PCB 204	MG/KG	T			ND (0.000000103)	ND (0.000000177)		ND (0.0000000945)		ND (0.0000000518)	ND (0.000000902)		ND (0.000000209)
PCB 205	MG/KG	T			0.000000824	ND (0.000000215)		ND (0.000000104)		0.00000161	ND (0.000000105)		0.00000812
PCB 206	MG/KG	T			0.0000167	0.00000559		0.00000288		0.00000594	ND (0.000000285)		0.000187

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB04	S13SB05	S13SB06	S13SB08	S13SB08	S13SB09	S13SB10	S13SB10	S13SB11
					5/27/08	5/27/08	5/27/08	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08
					6	5.5	7.5	4	11.5	4	6	8.5	7.5
					8	7.5	9.5	6	13.5	6	8	10	9
				FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 207	MG/KG	T			0.00000143	0.000000531		0.000000311 EMPC		0.0000128	ND (0.000000188)		0.0000192
PCB 208	MG/KG	T			0.00000227	0.000000881		0.000000892		0.0000201	ND (0.000000201)		0.0000496
PCB 209	MG/KG	T			0.00000116 B	0.000000783 B		0.0000179		0.000351	0.00000123		0.00113
PCB 22	MG/KG	T			0.00000033 B	0.000000348 B		0.000000566 B		0.00000181 B	0.000000201 B		0.0000236
PCB 23	MG/KG	T			ND (0.000000179)	ND (0.000000193)		ND (0.000000125)		ND (0.000000112)	ND (0.000000116)		ND (0.000000322)
PCB 24	MG/KG	T			ND (0.000000145)	ND (0.000000149)		ND (0.000000139)		0.0000000779 EMPC	ND (0.000000102)		0.000000818
PCB 25	MG/KG	T			ND (0.000000164)	ND (0.000000177)		0.00000012 EMPC		0.000000324	ND (0.000000106)		0.00000446
PCB 27	MG/KG	T			ND (0.000000137)	ND (0.000000142)		ND (0.000000128)		0.000000284	ND (0.000000097)		0.0000029
PCB 3	MG/KG	T			ND (0.0000000925)	ND (0.000000138)		0.000000207 EMPC		0.00000208	ND (0.0000000764)		0.0000178
PCB 31	MG/KG	T			0.000000784 B	0.000000701 B		0.00000117 B		0.00000444	0.00000046 B		0.0000549
PCB 32	MG/KG	T			0.00000026 B	0.000000238 B		0.00000042 B		0.00000127 B	0.000000185 B		0.0000128
PCB 34	MG/KG	T			ND (0.000000175)	ND (0.000000188)		ND (0.000000121)		ND (0.000000109)	ND (0.000000113)		0.000000317 EMPC
PCB 35	MG/KG	T			ND (0.000000173)	ND (0.000000186)		0.000000149		0.000000384	ND (0.000000119)		0.00000358
PCB 36	MG/KG	T			ND (0.000000165)	ND (0.000000177)		ND (0.000000115)		ND (0.000000107)	ND (0.000000111)		0.000000464 EMPC
PCB 37	MG/KG	T			0.000000245	ND (0.000000168)		0.000000345		0.00000281	ND (0.000000113)		0.0000373
PCB 38	MG/KG	T			ND (0.000000176)	ND (0.000000189)		ND (0.000000127)		ND (0.000000115)	ND (0.000000119)		0.000000749
PCB 39	MG/KG	T			ND (0.000000162)	ND (0.000000175)		ND (0.000000118)		0.000000182	ND (0.000000109)		0.000000882
PCB 4	MG/KG	T			0.000000403	0.000000485		0.000000506		0.000000769	0.00000026		0.00000771
PCB 41	MG/KG	T			ND (0.000000148)	ND (0.000000172)		0.000000167		0.000000745	ND (0.000000118)		0.00000698
PCB 42	MG/KG	T			ND (0.000000128)	ND (0.000000149)		0.000000257		0.000002	ND (0.000000101)		0.0000208
PCB 43	MG/KG	T			ND (0.000000153)	ND (0.000000177)		ND (0.000000136)		0.000000288	ND (0.000000113)		0.00000246
PCB 45	MG/KG	T			ND (0.00000014)	ND (0.000000162)		ND (0.000000129)		0.00000143	ND (0.000000113)		0.0000124
PCB 46	MG/KG	T			ND (0.000000148)	ND (0.000000171)		ND (0.000000125)		0.000000637	ND (0.00000011)		0.00000475
PCB 48	MG/KG	T			ND (0.000000123)	ND (0.000000142)		0.000000204		0.00000131	ND (0.0000000939)		0.0000128
PCB 5	MG/KG	T			0.000000334 B	0.000000457 B		0.000000369		0.000000307	ND (0.000000146)		0.00000158 B
PCB 51	MG/KG	T			ND (0.000000118)	ND (0.000000136)		ND (0.0000000925)		0.00000025	ND (0.0000000827)		0.0000016
PCB 52	MG/KG	T			0.000000769 B	0.000000661 B		0.000000957 B		0.0000181	0.000000544 B		0.000181
PCB 54	MG/KG	T			ND (0.0000000753)	ND (0.000000102)		ND (0.0000000708)		ND (0.0000000485)	ND (0.0000000637)		0.000000186
PCB 55	MG/KG	T			ND (0.000000135)	ND (0.000000159)		ND (0.000000102)		ND (0.000000102)	ND (0.00000011)		0.0000017
PCB 56	MG/KG	T			ND (0.000000128)	ND (0.00000015)		0.000000228		0.00000425	ND (0.000000107)		0.0000491
PCB 57	MG/KG	T			ND (0.000000129)	ND (0.000000152)		ND (0.0000000995)		ND (0.0000000984)	ND (0.000000106)		0.000000405
PCB 58	MG/KG	T			ND (0.000000129)	ND (0.000000152)		ND (0.0000000985)		ND (0.0000000972)	ND (0.000000105)		0.000000402
PCB 6	MG/KG	T			0.000000262 B	ND (0.000000311)		0.000000655		0.000000451	ND (0.00000014)		0.00000548
PCB 60	MG/KG	T			ND (0.00000013)	ND (0.000000153)		0.000000117 EMPC		0.00000228	ND (0.000000109)		0.0000249
PCB 63	MG/KG	T			ND (0.000000117)	ND (0.000000138)		ND (0.0000000912)		0.000000275	ND (0.0000000969)		0.00000337
PCB 64	MG/KG	T			0.000000182 EMPC	ND (0.000000101)		0.000000407 B		0.00000439	ND (0.0000000676)		0.000037
PCB 66	MG/KG	T			0.000000306	0.000000304		0.000000363 EMPC		0.00000884	ND (0.000000102)		0.000106
PCB 67	MG/KG	T			ND (0.000000121)	ND (0.000000142)		ND (0.0000000927)		0.000000188	ND (0.0000000999)		0.00000241
PCB 68	MG/KG	T			0.000000187	ND (0.00000014)		ND (0.0000000892)		ND (0.0000000885)	ND (0.0000000956)		0.000000681
PCB 7	MG/KG	T			ND (0.00000026)	ND (0.000000311)		ND (0.000000183)		0.000000116	ND (0.000000137)		0.00000141
PCB 72	MG/KG	T			ND (0.000000123)	ND (0.000000145)		ND (0.0000000931)		ND (0.0000000942)	ND (0.000000102)		0.00000113
PCB 73	MG/KG	T			ND (0.0000000927)	ND (0.000000107)		ND (0.0000000788)		ND (0.0000000486)	ND (0.0000000699)		ND (0.000000113)
PCB 77	MG/KG	T	0.11	MG/KG	ND (0.00000012)	ND (0.00000015)		ND (0.0000000914)		0.00000176	ND (0.0000000998)		0.0000191
PCB 78	MG/KG	T			ND (0.000000131)	ND (0.000000154)		ND (0.0000000991)		ND (0.0000001)	ND (0.000000108)		ND (0.000000267)
PCB 79	MG/KG	T			ND (0.000000114)	ND (0.000000134)		ND (0.0000000863)		0.000000312	ND (0.0000000931)		0.00000248
PCB 8	MG/KG	T			0.000001 B	0.00000113 B		0.00000119 B		0.00000187 B	0.000000562 B		0.0000251
PCB 80	MG/KG	T			ND (0.000000115)	ND (0.000000135)		ND (0.0000000886)		ND (0.0000000861)	ND (0.000000093)		0.00000135
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.000000119)	ND (0.00000014)		ND (0.000000095)		ND (0.000000095)	ND (0.000000103)		0.000000815 J
PCB 82	MG/KG	T			ND (0.000000152)	ND (0.000000206)		ND (0.000000134)		0.00000531	ND (0.00000014)		0.0000427
PCB 83	MG/KG	T			ND (0.000000155)	ND (0.000000211)		ND (0.000000133)		0.00000284	ND (0.000000144)		0.0000237
PCB 84	MG/KG	T			0.000000196 EMPC	ND (0.000000199)		0.000000559		0.00000121	ND (0.000000133)		0.000103
PCB 88	MG/KG	T			ND (0.000000147)	ND (0.0000002)		ND (0.000000128)		ND (0.00000011)	ND (0.000000139)		ND (0.000000399)
PCB 89	MG/KG	T			ND (0.000000136)	ND (0.000000186)		ND (0.000000121)		0.000000438	ND (0.000000126)		0.00000369

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB04	S13SB05	S13SB06	S13SB08	S13SB08	S13SB09	S13SB10	S13SB10	S13SB11
					5/27/08	5/27/08	5/27/08	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08
					6	5.5	7.5	4	11.5	4	6	8.5	7.5
					8	7.5	9.5	6	13.5	6	8	10	9
					FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 9	MG/KG	T			0.00000357 B	0.00000291 B		0.000000529		0.000000528	0.000000482		0.00000396 B
PCB 91	MG/KG	T			ND (0.000000115)	ND (0.000000156)		0.000000264 EMPC		0.00000505	ND (0.000000103)		0.0000386
PCB 92	MG/KG	T			ND (0.00000013)	ND (0.000000177)		0.000000329		0.00000749	ND (0.000000116)		ND (0.000000329)
PCB 94	MG/KG	T			ND (0.000000141)	ND (0.000000192)		ND (0.000000124)		ND (0.0000000993)	ND (0.000000126)		0.00000148
PCB 95	MG/KG	T			0.000000615 B	0.000000527 B		0.00000173 B		0.0000407	0.000000569 B		0.000339
PCB 96	MG/KG	T			ND (0.0000000877)	ND (0.000000119)		ND (0.0000000857)		0.000000352	ND (0.0000000764)		0.00000226
PCB 98	MG/KG	T			ND (0.000000138)	ND (0.000000188)		ND (0.000000116)		ND (0.0000000979)	ND (0.000000124)		ND (0.000000319)
PCB 99	MG/KG	T			0.000000322 EMPC	ND (0.000000152)		0.000000625		0.0000147	ND (0.0000000991)		0.000124
PCB-100/93	MG/KG	T			ND (0.000000127)	ND (0.000000173)		ND (0.00000011)		0.000000133	ND (0.000000112)		0.00000223
PCB-107/124	MG/KG	T			ND (0.0000000972)	ND (0.000000132)		ND (0.0000000858)		0.00000168	ND (0.0000000876)		0.0000121
PCB-108/119/86/97/125/87	MG/KG	T			0.00000112 EMPC	0.00000165		0.000000991		0.0000259	ND (0.0000000998)		0.000226
PCB-113/90/101	MG/KG	T			0.00000112 B	0.000000844 B		0.00000153 B		0.0000416	0.000000602 B		0.000364
PCB-116/85	MG/KG	T			ND (0.000000119)	ND (0.000000163)		ND (0.0000000962)		0.00000695	ND (0.0000000976)		0.0000502
PCB-128/166	MG/KG	T			0.000000358 EMPC	ND (0.000000162)		0.000000512 EMPC		0.0000143	ND (0.000000109)		0.000104
PCB-13/12	MG/KG	T			ND (0.000000269)	ND (0.000000322)		0.000000302		0.000000741	ND (0.000000142)		0.00000807
PCB-139/140	MG/KG	T			ND (0.0000000967)	ND (0.000000122)		ND (0.0000000992)		0.00000124	ND (0.0000000862)		0.00000913
PCB-147/149	MG/KG	T			0.00000164 B	0.000000946 B		0.00000406		0.0000766	0.000000713		0.000588
PCB-151/135	MG/KG	T			0.000000661 B	0.000000367 B		0.00000176		0.000033	ND (0.0000000878)		0.000253
PCB-153/168	MG/KG	T			0.00000246 B	0.00000132 B		0.00000315		0.0000762	0.000000671		0.000544
PCB-156/157	MG/KG	T			0.000000439 EMPCJ	ND (0.000000201)		0.000000359 J		0.0000095	ND (0.000000136)		0.0000648
PCB-163/138/129	MG/KG	T			0.00000256 B	0.00000127 B		0.00000447		0.000105	0.000000819		0.000742
PCB-171/173	MG/KG	T			0.000000608	ND (0.00000022)		0.000000491		0.0000116	ND (0.000000141)		0.0000802
PCB-180/193	MG/KG	T			0.0000155	0.00000532 B		0.00000417		0.0000922	0.000000438		0.000616
PCB-198/199	MG/KG	T			0.0000166	0.00000581		0.00000257		0.0000463	ND (0.000000122)		0.000257
PCB-21/33	MG/KG	T			0.000000559 B	0.000000474 B		0.000000899 B		0.00000284 B	0.000000377 B		0.0000362
PCB-26/29	MG/KG	T			ND (0.000000173)	ND (0.000000186)		0.00000021 EMPC		0.000000732	0.0000000965 EMPC		0.00000956
PCB-28/20	MG/KG	T			0.000000876 B	0.000000771 B		0.00000131 B		0.00000514 B	0.000000516 B		0.0000618
PCB-30/18	MG/KG	T			0.000000905 B	0.000000861 B		0.0000011 B		0.00000318 B	0.000000561 B		0.0000373
PCB-44/47/65	MG/KG	T			0.00000172 B	0.000000872 B		0.00000112 B		0.0000103	0.000000834 B		0.000101
PCB-50/53	MG/KG	T			ND (0.000000121)	ND (0.00000014)		ND (0.000000101)		0.00000142	0.000000088		0.0000109
PCB-59/62/75	MG/KG	T			ND (0.0000000921)	ND (0.000000107)		ND (0.0000000785)		0.000000613	ND (0.0000000694)		0.00000678
PCB-61/70/74/76	MG/KG	T			0.000000708 B	0.000000535 B		0.000000939		0.0000206	ND (0.000000102)		0.000219
PCB-69/49	MG/KG	T			0.000000393 B	0.000000336 B		0.000000508 B		0.00000528	0.000000255 B		0.0000567
PCB-71/40	MG/KG	T			ND (0.000000114)	ND (0.000000132)		0.000000388		0.00000364	ND (0.0000000872)		0.0000355
TOTAL DICHLOOROBIPHENYLS (CONGEN)	MG/KG	T			0.0000114 B	0.0000106 B		0.0000104 B		0.0000118 B	0.0000046 B		0.0000893
TOTAL HEPTACHLOOROBIPHENYLS (CON)	MG/KG	T			0.0000373 EMPC	0.0000111 B		0.0000153 EMPC		0.000336 EMPC	0.000000438		0.00224
TOTAL HEXACHLOOROBIPHENYLS (CON)	MG/KG	T			0.0000103 B	0.00000422 B		0.0000198 EMPC		0.000438 EMPC	0.00000295 EMPC		0.00323 EMPC
TOTAL MONOCHLOOROBIPHENYLS (CON)	MG/KG	T			0.000000206 EMPC	ND (0.000000196)		0.00000069 EMPC		0.00000318 EMPC	ND (0.000000128)		0.0000521
TOTAL NONACHLOOROBIPHENYLS (CON)	MG/KG	T			0.0000204	0.000007		0.00000409 EMPC		0.0000924	ND (0.000000243)		0.000256
TOTAL OCTACHLOOROBIPHENYLS (CON)	MG/KG	T			0.0000635	0.0000219 EMPC		0.00000808 EMPC		0.000156	ND (0.000000096)		0.000871
TOTAL PENTACHLOOROBIPHENYLS (CON)	MG/KG	T			0.00000623 B	0.00000486 B		0.0000105 EMPC		0.000283 EMPC	0.00000239 B		0.00226 EMPC
TOTAL TETRACHLOOROBIPHENYLS (CON)	MG/KG	T			0.00000426 B	0.00000271 B		0.00000566 B		0.000089 EMPC	0.00000172 B		0.000925
TOTAL TRICHLOROBIPHENYLS (CONGE)	MG/KG	T			0.00000478 B	0.00000383 B		0.00000738 B		0.0000269 EMPC	0.00000301 B		0.000327 EMPC
ALUMINUM	MG/KG	T	990000	MG/KG	14800	14500	18000	16700	2500	11100	15700	17700	13700
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.19) UJ	ND (1.23) UJ	ND (1.17) UJ	ND (1.09) UJ	ND (1.17) UJ	4.81 J	ND (1.12) UJ	ND (1.25) UJ	3.66 J
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 2.8	<sup>^</sup> 3.19	<sup>^</sup> 4.17	<sup>^</sup> 5.46	<sup>^</sup> 2.68	<sup>^</sup> 2.58	<sup>^</sup> 2.88 J	<sup>^</sup> 3.93 J	<sup>^</sup> 3.99
BARIUM	MG/KG	T	190000	MG/KG	11	16.8	17.7	48.4	17.2	39.5	31.7	37.8	40.7
BERYLLIUM	MG/KG	T	2000	MG/KG	1.1	1.4	2.3	0.419 J	0.646	0.537 J	0.38 J	0.737	0.413 J
CADMIUM	MG/KG	T	800	MG/KG	ND (0.835)	ND (1.72)	ND (1.64)	ND (0.153)	ND (0.163)	ND (0.168)	0.273 J	ND (0.174)	ND (0.159)
CALCIUM	MG/KG	T			1170	678	620	233	163	569	109	161	820
CHROMIUM	MG/KG	T			80.2	59.9	87.2	23.7	17.6	33.1	20.7	37.2	43.1
COBALT	MG/KG	T	300	MG/KG	3.75	3.83	25.7	3.74	13.9	0.996	2.34	2.24	ND (1.08)
COPPER	MG/KG	T	41000	MG/KG	15.1	37.5	56.4	10.8 J	36.1 J	18.9 J	42.2	43.1	81.3 J

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB04	S13SB05	S13SB06	S13SB08	S13SB08	S13SB09	S13SB10	S13SB10	S13SB11
					5/27/08	5/27/08	5/27/08	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08
					6	5.5	7.5	4	11.5	4	6	8.5	7.5
					8	7.5	9.5	6	13.5	6	8	10	9
					FS	FS	FS	FS	FS	FS	FS	FS	FS
IRON	MG/KG	T	720000	MG/KG	58500	66000	71100	28700	4600	21700	18200	32600	14300
LEAD	MG/KG	T	800	MG/KG	3.53	5.75	3.9	6.01	4.27	15.1	3.42	3.47	27.1
MAGNESIUM	MG/KG	T			340	391	478	277	107	916	135	127	693
MANGANESE	MG/KG	T	23000	MG/KG	92.3 J	50.4 J	164 J	68.5	19.9	80.3	25.6	23.9	72.4
MERCURY	MG/KG	T	43	MG/KG	ND (0.013)	ND (0.0144)	ND (0.0131)	ND (0.0124)	0.016 J	ND (0.0136)	ND (0.0125)	ND (0.0146)	ND (0.013)
NICKEL	MG/KG	T	20000	MG/KG	17.1	13.2	21.3	18.7	14.5	10.1	12.3	12.2	10.1
POTASSIUM	MG/KG	T			72.5 J	93 J	221 J	353 J	691 J	685 J	243 J	231 J	579 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.17)	ND (1.2)	ND (1.15)	ND (1.07)	ND (1.14)	ND (1.18)	ND (1.09)	ND (1.22)	ND (1.11)
SILVER	MG/KG	T	5100	MG/KG	ND (0.203)	ND (0.209)	ND (0.199)	ND (0.186)	ND (0.198)	ND (0.204)	ND (0.19)	ND (0.212)	ND (0.193)
SODIUM	MG/KG	T			146	116 J	145	335	ND (43.5)	452	165	145	123
THALLIUM	MG/KG	T	10	MG/KG	ND (0.174)	ND (0.184)	ND (0.181)	0.0331 J	0.0592	0.058	ND (0.161)	ND (0.194)	0.0562
TITANIUM	MG/KG	T			683	353	639	520 J	486 J	640 J	280	136	973 J
VANADIUM	MG/KG	T			166	140	221	30.7	24.9	68.1	37.6	28.5	26.2
ZINC	MG/KG	T	310000	MG/KG	9.97	10.6	22.5	14.9	48.5	21.1	13.8	12.7	21.8
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T			2430 J	ND (430)	ND (377)	ND (354)	ND (441)	ND (386)	ND (288)	ND (266)	ND (296)
DRO C10-C28	MG/KG	T											
HPCDFS	MG/KG	T			ND (0.000000179)	ND (0.000000145)		0.000000319		0.0000207	ND (0.0000000779)		0.0000211
ORO >C28 - C35	MG/KG	T											

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB11	S13SB12	S13SB13	S13SB13	S13SB13	S13SB14	S13SB15	S13SB16	S13SB16
					6/6/08	6/6/08	6/3/08	6/3/08	6/3/08	6/4/08	5/29/08	6/7/10	6/7/10
					9.5	4.5	4	4	8	4.5	3	4	6
					11.5	5	6	6	10	6.5	5	6	8
					FS	FS	DUP	FS	FS	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (4)	ND (3)
ACETONE	UG/KG	T	630000000	UG/KG	8 J	9 J	ND (8)	ND (7)	ND (8)	ND (8)	25	ND (8)	ND (7)
BENZENE	UG/KG	T	5400	UG/KG	ND (0.6)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.6)	ND (0.6)	ND (0.5)	ND (0.6)	ND (0.5)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
CHLOROBENZENE	UG/KG	T	1400000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
CHLOROFORM	UG/KG	T	1500	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	18	17
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
CUMENE	UG/KG	T	11000000	UG/KG									
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	ND (4)	ND (4)	ND (4)	ND (5)	ND (5)	ND (4)	ND (5)	ND (4)
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
TOLUENE	UG/KG	T	45000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (0.9)	ND (1)	ND (1)
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG	ND (79)	ND (79)		ND (79)	ND (78)	ND (81)	ND (78)	ND (86)	ND (80)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG	ND (79)	ND (79)		ND (79)	ND (78)	ND (81)	ND (78)	ND (86)	ND (80)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
ACENAPHTHYLENE	UG/KG	T			ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	83 J	ND (79)		ND (79)	ND (78)	ND (81)	ND (78)	ND (86)	ND (80)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (79)	ND (79)		ND (79)	ND (78)	ND (81)	ND (78)	ND (86)	ND (80)
CARBAZOLE	UG/KG	T			ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
CHRYSENE	UG/KG	T	210000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (79)	ND (79)		ND (79)	ND (78)	ND (81)	ND (78)	ND (86)	ND (80)
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG	ND (79)	ND (79)		ND (79)	ND (78)	ND (81)	ND (78)	ND (86)	ND (80)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (40)	70 J		ND (39)	ND (39)	ND (41)	40 J	ND (43)	ND (40)
FLUORENE	UG/KG	T	22000000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	340	ND (43)	ND (40)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
PHENANTHRENE	UG/KG	T			ND (40)	46 J		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
PHENOL	UG/KG	T	180000000	UG/KG	ND (40)	ND (39)		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
PYRENE	UG/KG	T	17000000	UG/KG	ND (40)	62 J		ND (39)	ND (39)	ND (41)	ND (39)	ND (43)	ND (40)
1,2,3,4,6,7,8-HPCDD	MG/KG	T				0.0000477	0.00015	0.000119		0.00000727	0.000102	0.0000691	0.000203
1,2,3,4,6,7,8-HPCDF	MG/KG	T				0.0000408	ND (0.000000242) UJ	ND (0.000000223) UJ		0.00000997 J	0.0000277	0.000000243 B	0.000000286 B
1,2,3,4,7,8,9-HPCDF	MG/KG	T				0.0000196	ND (0.0000000958)	ND (0.0000000548)		0.000000659 J	0.000011	ND (0.0000000634)	ND (0.0000002)
1,2,3,4,7,8-HXCDD	MG/KG	T				0.000000462 J	0.00000178 J	0.00000161 J		ND (0.000000142)	0.000000605 J	0.00000127 J	0.00000151 J
1,2,3,4,7,8-HXCDF	MG/KG	T				0.00000456	ND (0.0000000816)	ND (0.0000000796)		0.000000358 J	0.00000418	0.0000000597 J	ND (0.000000145)
1,2,3,6,7,8-HXCDD	MG/KG	T				0.00000167 J	0.00000399	0.00000366		ND (0.000000152)	0.00000123 J	0.00000255	0.00000308
1,2,3,6,7,8-HXCDF	MG/KG	T				0.00000106 J	ND (0.0000000722)	ND (0.0000000696)		ND (0.000000233) UJ	0.00000154 J	ND (0.000000049)	ND (0.000000134)

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB11	S13SB12	S13SB13	S13SB13	S13SB13	S13SB14	S13SB15	S13SB16	S13SB16
					6/6/08	6/6/08	6/3/08	6/3/08	6/3/08	6/4/08	5/29/08	6/7/10	6/7/10
					9.5	4.5	4	4	8	4.5	3	4	6
					11.5	5	6	6	10	6.5	5	6	8
					FS	FS	DUP	FS	FS	FS	FS	FS	FS
1,2,3,7,8,9-HXCDD	MG/KG	T				0.0000123 J	0.0000565	0.0000496		ND (0.00000152)	0.0000122 J	0.00000406	0.0000107
1,2,3,7,8,9-HXCDF	MG/KG	T				0.0000124 J	ND (0.00000102)	ND (0.00000108)		0.00000411 J	0.000012 J	ND (0.000000635)	ND (0.00000176)
1,2,3,7,8-PECDD	MG/KG	T				0.00000292 J	0.00000797 J	0.00000076 J		ND (0.00000154)	0.00000355 J	0.00000719 J	0.00000735 J
1,2,3,7,8-PECDF	MG/KG	T				0.00000206 J	ND (0.00000262)	ND (0.000000795)		ND (0.00000233) UJ	0.0000195 J	0.000000564 J	ND (0.00000113)
2,3,4,6,7,8-HXCDF	MG/KG	T				0.0000108 J	ND (0.00000077)	ND (0.000000776)		ND (0.00000233) UJ	0.0000124 J	ND (0.000000502)	ND (0.00000148)
2,3,4,7,8-PECDF	MG/KG	T				0.0000102 J	ND (0.00000229)	ND (0.000000683)		ND (0.00000146)	0.0000127 J	ND (0.000000364)	ND (0.00000112)
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.00000101 J	0.00000104 J	0.00000013 J		ND (0.000000669)	0.00000235 J	ND (0.000000634)	ND (0.00000175)
2,3,7,8-TCDF	MG/KG	T				0.0000153	ND (0.000000892)	ND (0.000000755)		0.000000764 J	0.0000141	ND (0.000000464)	ND (0.00000109)
HPCDD	MG/KG	T				0.00011	0.000278	0.000223		0.0000156	0.000221		
HXCDD	MG/KG	T				0.0000273 EMPC J	0.0000616	0.0000593		0.0000131	0.0000232		
HXCDFS	MG/KG	T				0.0000168 EMPC J	0.00000219 EMPC	0.00000157 EMPC		0.00000249 EMPC	0.0000167 EMPC		
OCDD	MG/KG	T				0.00121	0.00478	0.00281		0.000679	0.00992 J	0.00178	0.00549
OCDF	MG/KG	T				0.00469	0.0000155 J	0.00000055 J		0.000034	0.00195	0.000000967 B	0.00000054 B
TCDD	MG/KG	T				0.0000178 EMPC	0.0000172 EMPC	0.000014 EMPC		0.000000948 B	0.0000291 EMPC	0.00000229 EMPC	0.00000455 EMPC
TCDFS	MG/KG	T				0.00000919 EMPC	0.000000358 EMPC	0.00000021 EMPC		0.00000129	0.0000121 EMPC	0.000000609 EMPC	0.00000109 EMPC
TOTAL HPCDD	MG/KG	T										0.000251 EMPC	0.000589 EMPC
TOTAL HPCDF	MG/KG	T										0.00000084 B	0.000000907 B
TOTAL HXCDD	MG/KG	T										0.000114 EMPC	0.00023 EMPC
TOTAL HXCDF	MG/KG	T										0.00000268 EMPC	ND (0.0000015)
TOTAL PECDD	MG/KG	T										0.0000121 EMPC	0.0000315 EMPC
TOTAL PECDD	MG/KG	T											
TOTAL PECDD	MG/KG	T				0.00000466 EMPC	0.0000116 EMPC	0.0000106 EMPC		ND (0.00000154)	0.00000649 EMPC		
TOTAL PECDF	MG/KG	T										0.00000089 EMPC	ND (0.00000113)
TOTAL PECDFS	MG/KG	T				0.00000969 EMPC	ND (0.00000245)	ND (0.000000737)		0.0000127 EMPC	0.0000111 EMPC		
PCB 1	MG/KG	T				0.0000063	ND (0.00000338)	ND (0.00000267)		0.00000253	0.0000115	ND (0.00000204)	ND (0.00000639)
PCB 10	MG/KG	T				0.00000358	ND (0.00000272)	ND (0.00000222)		ND (0.000000844)	ND (0.00000133)	ND (0.00000523)	ND (0.0000012)
PCB 102	MG/KG	T				0.0000513	ND (0.00000157)	ND (0.00000145)		ND (0.00000117)	0.0000205	ND (0.00000135)	ND (0.00000298)
PCB 103	MG/KG	T				0.000107	ND (0.00000156)	ND (0.00000144)		ND (0.00000124)	0.0000368	ND (0.00000127)	ND (0.00000234)
PCB 104	MG/KG	T				ND (0.00000141)	ND (0.00000103)	ND (0.000000991)		ND (0.000000613)	ND (0.000000726)	ND (0.00000114)	ND (0.00000158)
PCB 105	MG/KG	T	0.38	MG/KG		0.000421	0.0000037 EMPC J	0.00000176 J		0.0000013	0.000361	ND (0.00000146)	ND (0.00000208)
PCB 106	MG/KG	T				ND (0.0000109)	ND (0.0000013)	ND (0.0000012)		ND (0.00000104)	ND (0.0000033)	ND (0.00000126)	ND (0.00000208)
PCB 109	MG/KG	T				0.000314	ND (0.00000122)	ND (0.00000113)		0.00000224	0.0000521	ND (0.00000115)	ND (0.0000018)
PCB 11	MG/KG	T				0.00002 B	0.00000826 B	0.00000248 B		0.0000574	0.000011 B	0.00000516 B	0.00000422 B
PCB 110	MG/KG	T				0.00363	0.0000112 EMPC	0.000000463		0.00000508	0.00125	ND (0.00000118)	0.000000678 J
PCB 111	MG/KG	T				0.0000108	ND (0.00000122)	ND (0.00000112)		ND (0.000000979)	ND (0.0000031)	ND (0.0000013)	ND (0.00000228)
PCB 112	MG/KG	T				ND (0.0000111)	ND (0.00000128)	ND (0.00000118)		ND (0.00000106)	ND (0.00000335)	ND (0.00000118)	ND (0.00000196)
PCB 114	MG/KG	T	0.38	MG/KG		0.0000254	ND (0.00000124)	ND (0.00000118)		ND (0.000000959)	0.0000189	ND (0.00000149)	ND (0.00000206)
PCB 115	MG/KG	T				ND (0.0000105)	ND (0.00000124)	ND (0.00000114)		ND (0.00000103)	ND (0.00000325)	ND (0.00000105)	ND (0.0000019)
PCB 117	MG/KG	T				0.0000699	ND (0.00000145)	ND (0.00000134)		0.000000857 EMPC	0.0000203	ND (0.00000117)	ND (0.00000228)
PCB 118	MG/KG	T	0.38	MG/KG		0.00268	0.00000074 B	0.00000032 B		0.0000029 B	0.000852	ND (0.00000153)	0.000000405 J
PCB 120	MG/KG	T				0.0000629	ND (0.00000122)	ND (0.00000113)		ND (0.000000979)	0.000000727	ND (0.00000115)	ND (0.00000193)
PCB 121	MG/KG	T				0.0000138	ND (0.00000124)	ND (0.00000115)		ND (0.000000996)	ND (0.00000315)	ND (0.00000127)	ND (0.00000231)
PCB 122	MG/KG	T				0.0000128	ND (0.00000137)	ND (0.0000013)		ND (0.00000107)	0.0000107	ND (0.00000151)	ND (0.00000214)
PCB 123	MG/KG	T	0.38	MG/KG		0.0000151	ND (0.0000013)	ND (0.00000121)		ND (0.00000101)	0.0000149	ND (0.00000153)	ND (0.00000237)
PCB 126	MG/KG	T	0.00011	MG/KG		0.00000288	ND (0.00000114)	ND (0.00000143)		ND (0.00000106)	0.0000214	ND (0.00000128)	ND (0.00000194)
PCB 127	MG/KG	T				0.0000179	ND (0.00000116)	ND (0.00000117)		ND (0.000000309)	ND (0.00000142)	ND (0.00000199)	
PCB 130	MG/KG	T				0.000217	ND (0.00000132)	ND (0.00000135)		0.00000228	0.0000834	ND (0.00000201)	ND (0.00000289)
PCB 131	MG/KG	T				0.0000214	ND (0.0000013)	ND (0.00000134)		0.00000365	0.0000202	ND (0.00000166)	ND (0.00000235)
PCB 132	MG/KG	T				0.00128	0.000000571	0.00000188 EMPC		0.0000111	0.000511	ND (0.00000164)	ND (0.00000241)
PCB 133	MG/KG	T				0.000157	ND (0.00000121)	ND (0.00000124)		0.000000657	0.0000163	ND (0.00000182)	ND (0.00000272)
PCB 134	MG/KG	T				0.000235	ND (0.00000139)	ND (0.00000142)		0.00000201	0.0000915	ND (0.00000188)	ND (0.00000318)
PCB 136	MG/KG	T				0.000529	0.000000306 EMPC	ND (0.000000991)		0.00000459	0.00019	ND (0.00000122)	ND (0.00000203)
PCB 137	MG/KG	T				0.000072	ND (0.00000119)	ND (0.00000123)		0.000000981	0.0000585	ND (0.00000178)	ND (0.00000282)
PCB 14	MG/KG	T				0.000000684	ND (0.00000172)	ND (0.00000102)		ND (0.00000149)	0.000000555	ND (0.000000529)	ND (0.00000139)

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB11	S13SB12	S13SB13	S13SB13	S13SB13	S13SB14	S13SB15	S13SB16	S13SB16
					6/6/08	6/6/08	6/3/08	6/3/08	6/3/08	6/4/08	5/29/08	6/7/10	6/7/10
					9.5	4.5	4	4	8	4.5	3	4	6
					11.5	5	6	6	10	6.5	5	6	8
					FS	FS	DUP	FS	FS	FS	FS	FS	
PCB 141	MG/KG	T				0.000353	ND (0.00000119)	ND (0.00000122)		0.00000549	0.000329	ND (0.00000156)	ND (0.00000023)
PCB 142	MG/KG	T				ND (0.00000022)	ND (0.00000128)	ND (0.00000131)		ND (0.000000974)	0.00000079	ND (0.00000021)	ND (0.000000302)
PCB 143	MG/KG	T				ND (0.000000197)	ND (0.00000117)	ND (0.00000012)		ND (0.000000086)	0.00000416	ND (0.00000195)	ND (0.000000274)
PCB 144	MG/KG	T				0.0000715	ND (0.00000111)	ND (0.00000114)		0.00000124	0.0000743	ND (0.00000162)	ND (0.000000246)
PCB 145	MG/KG	T				0.00000202	ND (0.00000101)	ND (0.000000996)		ND (0.000000671)	0.000000831	ND (0.00000127)	ND (0.000000211)
PCB 146	MG/KG	T				0.00112	0.000000245 EMPC	ND (0.00000114)		0.00000498	0.000184	ND (0.00000147)	ND (0.000000211)
PCB 148	MG/KG	T				0.0000346	ND (0.00000114)	ND (0.00000117)		ND (0.000000891)	0.000000688	ND (0.00000172)	ND (0.000000286)
PCB 15	MG/KG	T				0.0000261	0.000000359	0.000000229		0.000000676 B	0.0000171	ND (0.000000655)	ND (0.00000171)
PCB 150	MG/KG	T				0.00000533	ND (0.00000097)	ND (0.000000954)		ND (0.000000639)	0.0000102	ND (0.00000129)	ND (0.000000216)
PCB 152	MG/KG	T				0.00000285	ND (0.000000959)	ND (0.000000943)		ND (0.00000063)	0.00000101	ND (0.00000107)	ND (0.000000179)
PCB 154	MG/KG	T				0.000183	ND (0.00000101)	ND (0.00000103)		ND (0.000000766)	0.00000828	ND (0.00000142)	ND (0.000000225)
PCB 155	MG/KG	T				ND (0.00000174)	ND (0.000000939)	ND (0.000000923)		ND (0.00000062)	0.000000191	ND (0.00000125)	ND (0.000000212)
PCB 158	MG/KG	T				0.00019	ND (0.000000848)	ND (0.00000087)		0.00000373	0.000159	ND (0.00000122)	ND (0.000000173)
PCB 159	MG/KG	T				0.0000248	ND (0.0000011)	ND (0.00000117)		0.000000682	0.0000149	ND (0.00000174)	ND (0.000000208)
PCB 16	MG/KG	T				0.0000241	0.00000054 B	ND (0.00000327)		0.000000406 B	0.0000142	ND (0.000000287)	ND (0.000000489)
PCB 162	MG/KG	T				0.00000594	ND (0.00000108)	ND (0.00000115)		0.000000151	0.00000504	ND (0.00000197)	ND (0.000000232)
PCB 164	MG/KG	T				0.000247	ND (0.000000878)	ND (0.000000901)		0.00000383	0.000112	ND (0.00000124)	ND (0.000000169)
PCB 165	MG/KG	T				0.00000196	ND (0.000000967)	ND (0.000000992)		ND (0.000000735)	ND (0.000000951)	ND (0.00000142)	ND (0.000000213)
PCB 167	MG/KG	T	0.38	MG/KG		0.0000757	ND (0.00000113)	ND (0.0000012)		0.00000153	0.0000549	ND (0.000000213)	ND (0.000000239)
PCB 169	MG/KG	T	0.00038	MG/KG		ND (0.000000851)	ND (0.00000118)	ND (0.00000127)		ND (0.00000114)	0.00000307	ND (0.000000213)	ND (0.000000225)
PCB 17	MG/KG	T				0.000031	0.000000468 B	ND (0.000000269)		0.000000461 B	0.0000131	ND (0.000000235)	ND (0.000000397)
PCB 170	MG/KG	T				0.000592	0.00000067	ND (0.00000187)		0.0000199	0.000426	ND (0.00000185)	ND (0.000000343)
PCB 172	MG/KG	T				0.000119	ND (0.00000199)	ND (0.00000188)		0.00000399	0.0000718	ND (0.00000179)	ND (0.000000364)
PCB 174	MG/KG	T				0.000829	0.000000818	ND (0.00000175)		0.0000219	0.000446	ND (0.00000156)	ND (0.000000336)
PCB 175	MG/KG	T				0.0000263	ND (0.00000182)	ND (0.00000172)		0.000000902	0.0000177	ND (0.00000164)	ND (0.000000383)
PCB 176	MG/KG	T				0.00013	ND (0.00000118)	ND (0.00000106)		0.00000251	0.0000542	ND (0.0000015)	ND (0.000000297)
PCB 177	MG/KG	T				0.000625	0.000000508	ND (0.00000182)		0.0000123	0.000246	ND (0.00000169)	ND (0.000000364)
PCB 178	MG/KG	T				0.000314	ND (0.00000167)	ND (0.00000149)		0.00000427	0.0000846	ND (0.0000018)	ND (0.000000351)
PCB 179	MG/KG	T				0.000453	ND (0.00000123)	ND (0.0000011)		0.00000881	0.000186	ND (0.00000137)	ND (0.000000266)
PCB 181	MG/KG	T				0.00000529	ND (0.00000182)	ND (0.00000172)		ND (0.00000176)	0.0000034	ND (0.00000174)	ND (0.000000382)
PCB 182	MG/KG	T				0.0000345	ND (0.00000172)	ND (0.00000162)		ND (0.00000168)	0.00000327	ND (0.00000148)	ND (0.000000338)
PCB 183	MG/KG	T				0.000402	0.000000464 EMPC	ND (0.00000155)		0.000012	0.000243	ND (0.00000133)	ND (0.000000327)
PCB 184	MG/KG	T				0.00000096 EMPC	ND (0.00000128)	ND (0.00000115)		ND (0.000000776)	0.000000868	ND (0.00000147)	ND (0.000000287)
PCB 185	MG/KG	T				0.0000611	ND (0.00000198)	ND (0.00000187)		0.0000018	0.0000528	ND (0.00000197)	ND (0.000000411)
PCB 186	MG/KG	T				ND (0.00000162)	ND (0.00000124)	ND (0.00000111)		ND (0.000000731)	0.00000116	ND (0.0000014)	ND (0.000000272)
PCB 187	MG/KG	T				0.0013	0.00000106	0.000000273		0.0000261	0.000566	ND (0.00000142)	ND (0.000000336)
PCB 188	MG/KG	T				0.00000158 EMPC	ND (0.00000111)	ND (0.000000988)		ND (0.000000671)	0.000000898 EMPC	ND (0.00000149)	ND (0.000000294)
PCB 189	MG/KG	T	0.38	MG/KG		0.0000221	ND (0.00000123)	ND (0.00000122)		0.00000077 J	0.0000152	ND (0.00000169)	ND (0.000000253)
PCB 19	MG/KG	T				0.00000377	ND (0.000000251)	ND (0.000000257)		ND (0.00000137)	0.00000334	ND (0.000000293)	ND (0.000000514)
PCB 190	MG/KG	T				0.000117	ND (0.00000142)	ND (0.00000135)		0.00000355	0.0000829	ND (0.00000145)	ND (0.000000269)
PCB 191	MG/KG	T				0.0000239	ND (0.00000144)	ND (0.00000136)		0.00000084 EMPC	0.0000167	ND (0.00000143)	ND (0.00000029)
PCB 194	MG/KG	T				0.000444	0.000000479 EMPC	ND (0.000000208)		0.0000112	0.000272	ND (0.00000171)	ND (0.000000328)
PCB 195	MG/KG	T				0.000152	ND (0.00000188)	ND (0.000000223)		0.00000419	0.0000942	ND (0.00000165)	ND (0.000000346)
PCB 196	MG/KG	T				0.000226	0.000000197 EMPC	ND (0.00000189)		0.00000576	0.000129	ND (0.000000259)	ND (0.000000314)
PCB 197	MG/KG	T				0.0000183	ND (0.00000132)	ND (0.00000139)		0.000000566	0.0000119	ND (0.00000171)	ND (0.000000228)
PCB 2	MG/KG	T				0.00000402	ND (0.00000183)	ND (0.00000173)		0.000000308 EMPC	0.00000443	ND (0.00000134)	ND (0.000000298)
PCB 200	MG/KG	T				0.0000583	ND (0.00000129)	ND (0.00000136)		0.00000188	0.0000355	ND (0.000000205)	ND (0.000000285)
PCB 201	MG/KG	T				0.0000697	ND (0.00000128)	ND (0.00000135)		0.0000016	0.0000365	ND (0.00000194)	ND (0.000000266)
PCB 202	MG/KG	T				0.000328	ND (0.00000128)	ND (0.00000136)		0.0000026	0.0000673	ND (0.00000023)	ND (0.000000312)
PCB 203	MG/KG	T				0.000317	0.000000352	ND (0.00000172)		0.00000786	0.000198	ND (0.000000246)	ND (0.000000301)
PCB 204	MG/KG	T				ND (0.000000322)	ND (0.00000132)	ND (0.0000014)		ND (0.0000015)	0.000000943	ND (0.000000202)	ND (0.000000269)
PCB 205	MG/KG	T				0.0000178	ND (0.0000014)	ND (0.00000167)		0.000000566	0.0000111	ND (0.00000173)	ND (0.000000312)
PCB 206	MG/KG	T				0.000707	ND (0.000000296)	0.000000851		0.0000104	0.00035	ND (0.000000623)	ND (0.00000115)

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB11	S13SB12	S13SB13	S13SB13	S13SB13	S13SB14	S13SB15	S13SB16	S13SB16
					6/6/08	6/6/08	6/3/08	6/3/08	6/3/08	6/4/08	5/29/08	6/7/10	6/7/10
					9.5	4.5	4	4	8	4.5	3	4	6
					11.5	5	6	6	10	6.5	5	6	8
					FS	FS	DUP	FS	FS	FS	FS	FS	FS
PCB 207	MG/KG	T				0.0000492	ND (0.00000188)	ND (0.00000237)		0.00000439	0.0000624	ND (0.00000444)	ND (0.00000729)
PCB 208	MG/KG	T				0.000575	ND (0.00000201)	ND (0.00000254)		0.0000605	0.000124	ND (0.00000525)	ND (0.00000886)
PCB 209	MG/KG	T				0.0206 J	0.0000141	0.00000262		0.000623	0.0114 J	ND (0.0000036)	ND (0.00000516)
PCB 22	MG/KG	T				0.0000252	0.00000325 B	0.00000186 B		0.0000044 B	0.0000194	ND (0.00000209)	ND (0.00000423)
PCB 23	MG/KG	T				ND (0.00000469)	ND (0.00000156)	ND (0.00000148)		ND (0.00000137)	0.00000368	ND (0.00000259)	ND (0.00000544)
PCB 24	MG/KG	T				0.000001	ND (0.00000202)	ND (0.00000207)		ND (0.00000112)	0.00000486	ND (0.00000178)	ND (0.00000302)
PCB 25	MG/KG	T				0.00000651	ND (0.00000142)	ND (0.00000135)		ND (0.00000126)	0.00000325	ND (0.00000191)	ND (0.00000401)
PCB 27	MG/KG	T				0.00000384	ND (0.00000193)	ND (0.00000198)		ND (0.00000106)	0.00000223	ND (0.00000187)	ND (0.0000032)
PCB 3	MG/KG	T				0.0000203	ND (0.00000169)	ND (0.00000159)		0.00000043	0.0000156	ND (0.0000016)	ND (0.00000358)
PCB 31	MG/KG	T				0.0000892	0.00000647 B	0.00000456 B		0.00000101 B	0.0000501	0.00000257 B	ND (0.00000412)
PCB 32	MG/KG	T				0.0000182	0.00000369 B	ND (0.00000188)		0.00000338 B	0.0000118	ND (0.00000161)	ND (0.00000273)
PCB 34	MG/KG	T				0.00000158	ND (0.00000152)	ND (0.00000144)		ND (0.00000134)	0.0000026	ND (0.00000228)	ND (0.00000477)
PCB 35	MG/KG	T				0.00000543	ND (0.00000159)	ND (0.00000151)		0.00000684	0.00000429	ND (0.00000245)	ND (0.00000475)
PCB 36	MG/KG	T				ND (0.00000448)	ND (0.00000149)	ND (0.00000141)		ND (0.00000126)	0.0000005	ND (0.00000208)	ND (0.00000412)
PCB 37	MG/KG	T				0.0000297	ND (0.00000152)	ND (0.00000144)		0.00000537	0.000021	ND (0.00000264)	ND (0.00000505)
PCB 38	MG/KG	T				ND (0.00000485)	ND (0.0000016)	ND (0.00000152)		ND (0.00000135)	0.00000726	ND (0.00000258)	ND (0.00000493)
PCB 39	MG/KG	T				0.00000152 EMPC	ND (0.00000146)	ND (0.00000139)		ND (0.00000124)	0.00000994	ND (0.0000024)	ND (0.00000477)
PCB 4	MG/KG	T				0.00000512	0.00000452	0.00000391		0.0000004	0.00000428	ND (0.00000964)	ND (0.00000215)
PCB 41	MG/KG	T				0.00000451	ND (0.0000015)	ND (0.00000163)		ND (0.00000101)	0.00000898	ND (0.00000182)	ND (0.00000241)
PCB 42	MG/KG	T				0.000282	ND (0.00000128)	ND (0.0000014)		0.00000207 EMPC	0.0000311	ND (0.00000174)	ND (0.00000239)
PCB 43	MG/KG	T				0.0000122	ND (0.00000143)	ND (0.00000156)		ND (0.00000105)	0.0000035	ND (0.00000184)	ND (0.00000026)
PCB 45	MG/KG	T				0.0000185	ND (0.00000143)	ND (0.00000156)		ND (0.000000958)	0.0000165	ND (0.0000016)	ND (0.00000023)
PCB 46	MG/KG	T				0.00000866	ND (0.0000014)	ND (0.00000152)		ND (0.00000101)	0.00000752	ND (0.00000171)	ND (0.00000246)
PCB 48	MG/KG	T				0.0000324	ND (0.00000119)	ND (0.0000013)		0.000000149 EMPC	0.000019	ND (0.00000147)	ND (0.00000204)
PCB 5	MG/KG	T				0.00000956 B	0.00000346	0.00000315		0.00000401 B	0.00000937 B	ND (0.00000578)	ND (0.00000152)
PCB 51	MG/KG	T				0.00000452	ND (0.00000105)	ND (0.00000114)		ND (0.000000806)	0.000004	ND (0.00000149)	ND (0.00000219)
PCB 52	MG/KG	T				0.0018	0.00000767 B	0.00000045 B		0.00000108 B	0.00053	0.00000593 B	0.00000739 B
PCB 54	MG/KG	T				0.00000254 EMPC	ND (0.00000105)	ND (0.0000011)		ND (0.000000687)	0.00000273	ND (0.00000174)	ND (0.00000275)
PCB 55	MG/KG	T				ND (0.00000661)	ND (0.00000141)	ND (0.0000015)		ND (0.00000128)	0.00000188	ND (0.00000175)	ND (0.00000314)
PCB 56	MG/KG	T				ND (0.00000621)	0.00000232	ND (0.00000146)		0.00000336	0.0000713	ND (0.00000171)	ND (0.00000295)
PCB 57	MG/KG	T				ND (0.00000632)	ND (0.00000137)	ND (0.00000145)		ND (0.00000122)	ND (0.00000386)	ND (0.0000019)	ND (0.00000341)
PCB 58	MG/KG	T				0.0000154	ND (0.00000135)	ND (0.00000144)		ND (0.00000123)	ND (0.00000387)	ND (0.00000169)	ND (0.00000302)
PCB 6	MG/KG	T				0.00000345	ND (0.00000201)	ND (0.0000012)		0.00000265 B	0.00000251	ND (0.0000055)	ND (0.0000015)
PCB 60	MG/KG	T				ND (0.00000632)	ND (0.00000141)	ND (0.0000015)		0.00000166 EMPC	0.0000349	ND (0.00000171)	ND (0.00000029)
PCB 63	MG/KG	T				0.0000421	ND (0.00000125)	ND (0.00000132)		ND (0.00000111)	0.00000549	ND (0.00000178)	ND (0.00000326)
PCB 64	MG/KG	T				0.000212	0.00000229 B	0.00000168 B		0.000000423	0.0000834	ND (0.00000123)	ND (0.00000169)
PCB 66	MG/KG	T				0.00113	0.00000392	ND (0.00000139)		0.00000663	0.000161	ND (0.00000162)	ND (0.00000029)
PCB 67	MG/KG	T				0.00000478	ND (0.00000128)	ND (0.00000137)		ND (0.00000115)	0.0000283	ND (0.00000156)	ND (0.00000276)
PCB 68	MG/KG	T				0.0000056	ND (0.00000123)	ND (0.00000131)		ND (0.00000113)	0.00000518	ND (0.00000181)	ND (0.00000338)
PCB 7	MG/KG	T				0.000000815	ND (0.00000198)	ND (0.00000118)		ND (0.00000172)	0.00000608	ND (0.0000054)	ND (0.00000145)
PCB 72	MG/KG	T				0.0000742	ND (0.00000131)	ND (0.00000139)		ND (0.00000117)	0.00000609	ND (0.00000164)	ND (0.00000294)
PCB 73	MG/KG	T				ND (0.00000018)	ND (0.000000887)	ND (0.000000966)		ND (0.000000635)	ND (0.00000152)	ND (0.00000122)	ND (0.00000172)
PCB 77	MG/KG	T	0.11	MG/KG		0.0000257	ND (0.00000139)	ND (0.00000144)		0.00000272 J	0.0000146	ND (0.00000023)	ND (0.00000393)
PCB 78	MG/KG	T				ND (0.00000639)	ND (0.00000139)	ND (0.00000148)		ND (0.00000124)	ND (0.00000392)	ND (0.00000196)	ND (0.00000316)
PCB 79	MG/KG	T				0.0000197	ND (0.0000012)	ND (0.00000127)		ND (0.00000108)	0.00000655	ND (0.0000016)	ND (0.00000272)
PCB 8	MG/KG	T				0.0000239	0.00000949 B	0.00000585 B		0.00000122 B	0.0000159	0.00000371 J	ND (0.00000146)
PCB 80	MG/KG	T				0.0000194	ND (0.0000012)	ND (0.00000127)		ND (0.00000109)	ND (0.00000344)	ND (0.00000188)	ND (0.00000032)
PCB 81	MG/KG	T	0.038	MG/KG		ND (0.00000602)	ND (0.00000132)	ND (0.0000014)		ND (0.00000113)	0.00000115	ND (0.00000212)	ND (0.00000347)
PCB 82	MG/KG	T				0.000154	ND (0.00000202)	ND (0.00000186)		0.00000308 EMPC	0.000126	ND (0.00000177)	ND (0.00000312)
PCB 83	MG/KG	T				0.000214	ND (0.00000208)	ND (0.00000192)		0.00000244 EMPC	0.0000656	ND (0.00000173)	ND (0.00000307)
PCB 84	MG/KG	T				0.000827	ND (0.00000191)	ND (0.00000177)		0.000000893	0.000292	ND (0.0000016)	ND (0.00000291)
PCB 88	MG/KG	T				ND (0.00000177)	ND (0.0000002)	ND (0.00000185)		ND (0.00000152)	ND (0.0000048)	ND (0.00000196)	ND (0.00000356)
PCB 89	MG/KG	T				0.0000183	ND (0.00000181)	ND (0.00000167)		ND (0.00000141)	0.00000808	ND (0.00000154)	ND (0.00000288)

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB11	S13SB12	S13SB13	S13SB13	S13SB13	S13SB14	S13SB15	S13SB16	S13SB16
					6/6/08	6/6/08	6/3/08	6/3/08	6/3/08	6/4/08	5/29/08	6/7/10	6/7/10
					9.5	4.5	4	4	8	4.5	3	4	6
					11.5	5	6	6	10	6.5	5	6	8
					FS	FS	DUP	FS	FS	FS	FS	FS	
PCB 9	MG/KG	T				0.00000431 B	0.00000625	0.00000555		0.00000305 B	0.00000389 B	ND (0.00000532)	ND (0.00000146)
PCB 91	MG/KG	T				0.000287	ND (0.00000148)	ND (0.00000137)		0.00000476	0.00011	ND (0.00000144)	ND (0.00000273)
PCB 92	MG/KG	T				0.000939	ND (0.00000167)	ND (0.00000154)		0.00000677	0.000182	ND (0.00000157)	ND (0.00000287)
PCB 94	MG/KG	T				0.0000122	ND (0.00000181)	ND (0.00000167)		ND (0.00000146)	0.00000304	ND (0.00000179)	ND (0.00000034)
PCB 95	MG/KG	T				0.00248	0.000000807 B	0.000000396 B		0.00000343	0.000908	0.000000436 B	0.00000064 B
PCB 96	MG/KG	T				0.0000154	ND (0.00000119)	ND (0.00000115)		ND (0.000000731)	0.00000539	ND (0.00000103)	ND (0.00000144)
PCB 98	MG/KG	T				0.0000313	ND (0.00000179)	ND (0.00000165)		ND (0.00000143)	ND (0.000000452)	ND (0.0000016)	ND (0.00000258)
PCB 99	MG/KG	T				0.00249	0.000000334 EMPC	ND (0.00000132)		0.00000111 EMPC	0.000371	ND (0.00000124)	ND (0.00000243)
PCB-100/93	MG/KG	T				0.0000388	ND (0.00000162)	ND (0.00000149)		ND (0.00000131)	0.00000443	ND (0.00000147)	ND (0.00000275)
PCB-107/124	MG/KG	T				0.0000417	ND (0.00000126)	ND (0.00000116)		0.000000172 EMPC	0.000037	ND (0.00000129)	ND (0.00000209)
PCB-108/119/86/97/125/87	MG/KG	T				0.00158	0.000000604	ND (0.00000133)		0.00000295	0.000732	ND (0.00000137)	ND (0.00000243)
PCB-113/90/101	MG/KG	T				0.00368	0.00000088 B	0.000000483 B		0.00000304 B	0.00109	0.000000429 B	0.000000654 B
PCB-116/85	MG/KG	T				0.000221	ND (0.0000014)	ND (0.0000013)		0.00000047	0.000153	ND (0.00000171)	ND (0.00000274)
PCB-128/166	MG/KG	T				0.000308	ND (0.00000121)	ND (0.00000129)		0.00000435	0.000233	ND (0.00000203)	ND (0.00000242)
PCB-13/12	MG/KG	T				0.00000595	ND (0.00000205)	ND (0.00000122)		ND (0.00000178)	0.0000044	ND (0.000000646)	ND (0.00000168)
PCB-139/140	MG/KG	T				0.0000961	ND (0.00000114)	ND (0.00000117)		0.000000345 EMPC	0.0000215	ND (0.00000176)	ND (0.00000267)
PCB-147/149	MG/KG	T				0.00276	0.00000152	0.000000466		0.00000321	0.00115	ND (0.00000143)	0.00000036 J
PCB-151/135	MG/KG	T				0.00135	0.000000707	ND (0.00000119)		0.0000118	0.000485	ND (0.00000155)	ND (0.00000245)
PCB-153/168	MG/KG	T				0.00307	0.00000139	0.000000457		0.0000169	0.00121	ND (0.00000135)	ND (0.00000195)
PCB-156/157	MG/KG	T				0.000221	ND (0.0000015)	ND (0.00000168)		0.00000163 J	0.000168	ND (0.0000028)	ND (0.00000306)
PCB-163/138/129	MG/KG	T				0.00276	0.00000188	0.000000591		0.00000308	0.00161	0.000000341 J	0.00000065 J
PCB-171/173	MG/KG	T				0.000199	ND (0.000002)	ND (0.00000189)		0.00000613	0.00013	ND (0.00000173)	ND (0.00000357)
PCB-180/193	MG/KG	T				0.00145	0.00000167	0.000000423		0.0000439	0.000982	ND (0.0000014)	ND (0.00000284)
PCB-198/199	MG/KG	T				0.000793	0.000000617	ND (0.00000189)		0.0000132	0.000358	ND (0.00000268)	ND (0.00000322)
PCB-21/33	MG/KG	T				0.0000363	0.000000508 B	0.000000319 B		0.000000757 B	0.0000263	ND (0.00000237)	ND (0.00000488)
PCB-26/29	MG/KG	T				0.0000107	ND (0.00000151)	ND (0.00000143)		0.000000286	0.00000669	ND (0.00000213)	ND (0.00000442)
PCB-28/20	MG/KG	T				0.000115	0.000000785 B	0.000000561 B		0.00000127 B	0.0000538	0.000000504 B	0.000000478 B
PCB-30/18	MG/KG	T				0.0000568	0.00000109 B	0.000000626 B		0.000000967 B	ND (0.00000178)	0.000000665 J	0.00000041 J
PCB-44/47/65	MG/KG	T				0.00127	0.000000913 B	0.000000709 B		0.00000118 B	0.00025	ND (0.00000149)	ND (0.00000208)
PCB-50/53	MG/KG	T				0.0000326	ND (0.00000114)	ND (0.00000124)		0.000000163	0.0000203	ND (0.00000156)	ND (0.00000023)
PCB-59/62/75	MG/KG	T				0.0000618	ND (0.000000881)	ND (0.000000096)		0.000000998 EMPC	0.00000831	ND (0.00000126)	ND (0.00000174)
PCB-61/70/74/76	MG/KG	T				0.00171	0.000000741	ND (0.0000014)		0.0000015 B	0.000544	ND (0.00000165)	ND (0.00000292)
PCB-69/49	MG/KG	T				0.00129	0.000000411 B	0.000000188 B		0.000000468 B	0.000121	0.000000211 J	0.000000301 J
PCB-71/40	MG/KG	T				0.000133	0.000000202 EMPC	ND (0.00000121)		0.000000349	0.0000572	ND (0.00000141)	ND (0.00000196)
TOTAL DICHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0000917	0.000011 B	0.00000456 B		0.00000635	0.0000612	0.00000553 B	0.00000422 B
TOTAL HEPTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0067 EMPC	0.00000519 EMPC	0.000000696		0.00017 EMPC	0.00363 EMPC	ND (0.00000165)	ND (0.00000324)
TOTAL HEXACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0154	0.00000662 EMPC	0.0000017 EMPC		0.000141 EMPC	0.0068	0.000000341 B	0.00000101 B
TOTAL MONOCHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0000306	ND (0.00000254)	ND (0.00000213)		0.000000991 EMPC	0.0000316	ND (0.0000011)	ND (0.00000498)
TOTAL NONACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.00133	ND (0.00000249)	0.000000851		0.0000209	0.000536	ND (0.000000574)	ND (0.00000102)
TOTAL OCTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.00242	0.00000164 EMPC	ND (0.00000151)		0.0000494	0.00121	ND (0.00000202)	ND (0.00000312)
TOTAL PENTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.0204	0.00000485 B	0.00000184 B		0.0000234 EMPC	0.0067	0.000000865 B	0.00000238 B
TOTAL TETRACHLOOROBIPHENYLS (CONGEN)	MG/KG	T				0.00827 EMPC	0.00000389 B	0.00000152 B		0.00000706 B	0.00201	0.000000804 B	0.00000104 B
TOTAL TRICHLOROBIPHENYLS (CONGEN)	MG/KG	T				0.00046 EMPC	0.00000474 B	0.00000215 B		0.00000716 B	0.000233	0.00000143 B	0.000000888 B
ALUMINUM	MG/KG	T	990000	MG/KG	13800	9170		18200	15700	11800	13300	14700	13400
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.17) UJ	12.2 J		ND (1.18) UJ	ND (1.14) UJ	ND (1.21) UJ	10.9 J	ND (1.25)	ND (1.2)
ARSENIC	MG/KG	T	1.6	MG/KG	^5.23	^3.16		^4.49 J	^2.91 J	1.21 J	^3.67 J	^3.31	1.23 J
BARIUM	MG/KG	T	190000	MG/KG	43.8	85.9		38.6	33.9	26	114	31.6	31.6
BERYLLIUM	MG/KG	T	2000	MG/KG	0.624	0.215 J		0.441 J	0.464 J	0.403 J	0.567	0.522 J	0.481 J
CADMIUM	MG/KG	T	800	MG/KG	ND (0.163)	ND (0.159)		ND (0.166)	0.195 J	ND (0.169)	0.541 J	0.784	0.851
CALCIUM	MG/KG	T				856		165	69.7	533	2790	287	356
CHROMIUM	MG/KG	T				32.2		94.2	36.7 J	113 J	14.3 J	94.7	23.5
COBALT	MG/KG	T	300	MG/KG	ND (0.221)	ND (4.3)		3.63	2.63	3.38	ND (10.7)	3.47	3.46
COPPER	MG/KG	T	41000	MG/KG	32.1 J	35 J		78	79.6	8.32 J	65.2	137	48.5

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB11	S13SB12	S13SB13	S13SB13	S13SB13	S13SB14	S13SB15	S13SB16	S13SB16
					6/6/08	6/6/08	6/3/08	6/3/08	6/3/08	6/4/08	5/29/08	6/7/10	6/7/10
IRON	MG/KG	T	720000	MG/KG	30500	10900		12500	18900	11500	22100	18800	20600
LEAD	MG/KG	T	800	MG/KG	20.5	157		9.71	3.53	5.9	112	10 J	9.95 J
MAGNESIUM	MG/KG	T			1220	979		1660	460	515 J	1900	1730	1980
MANGANESE	MG/KG	T	23000	MG/KG	76.5	77.2		58.3	26.9	170	248	61.9	54.7
MERCURY	MG/KG	T	43	MG/KG	ND (0.0131)	0.0891 J		ND (0.0133)	0.027 J	ND (0.0136)	0.266	ND (0.0145)	ND (0.0136)
NICKEL	MG/KG	T	20000	MG/KG	8.98	6.93		10.4	10.2	9.29	12.9	8.28	8.23
POTASSIUM	MG/KG	T			968 J	899 J		1080 J	450 J	417 J	1180 J	895	868
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.14)	ND (1.11)		1.85 J	ND (1.12)	ND (1.18) UJ	ND (1.1)	ND (1.23)	ND (1.18)
SILVER	MG/KG	T	5100	MG/KG	ND (0.198)	0.227 J		ND (0.201)	ND (0.194)	ND (0.205)	0.595	ND (0.225)	0.283 J
SODIUM	MG/KG	T			149	ND (42.2)		138	104 J	184 B	396	241	209
THALLIUM	MG/KG	T	10	MG/KG	0.09	0.0691		ND (0.178)	ND (0.174)	ND (0.183) R	ND (0.175)	ND (1.82)	ND (1.75)
TITANIUM	MG/KG	T			878 J	2770 J		662	249	462	3770		
VANADIUM	MG/KG	T			47.1	22		44.6	29.3	15.4	39	34.1	35.1
ZINC	MG/KG	T	310000	MG/KG	27.6	29.2		27.4	15.3	23.5	35.9	26.4	26.4
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T			464 J	ND (343)		ND (370)	ND (403)	ND (246)	ND (348)	ND (141)	399 J
DRO C10-C28	MG/KG	T											
HPCDFS	MG/KG	T				0.000103	0.000000501 EMPC	0.000000373 EMPC		0.00000261	0.000062		
ORO >C28 - C35	MG/KG	T											

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB17	S13SB17	S13SB18	S15SB01	S15SB01	S15SB02	S15SB02	S16SB01	S16SB02
					6/7/10	6/7/10	6/7/10	5/22/08	5/22/08	5/22/08	5/22/08	4/25/08	4/28/08
					4	14	4	2	7	3	3	2	11
					6	16	6	4	9	5	5	4	13
					FS	FS	FS	FS	FS	DUP	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)	ND (3)
ACETONE	UG/KG	T	630000000	UG/KG	ND (7)	ND (8)	ND (8)	10 J	37	25	28	16 J	17 J
BENZENE	UG/KG	T	5400	UG/KG	ND (0.5)	ND (0.6)	ND (0.6)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	ND (1)	ND (1)	1 J	ND (1)	2 J	1 J	ND (1)	ND (1)
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
CHLOROBENZENE	UG/KG	T	1400000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
CHLOROFORM	UG/KG	T	1500	UG/KG	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
CUMENE	UG/KG	T	11000000	UG/KG									
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	ND (5)	ND (5)	ND (4)	5 J	ND (4)	ND (4)	ND (4)	ND (4)
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
TOLUENE	UG/KG	T	45000000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG	ND (77)	ND (88)	ND (80)	ND (80)	ND (78)	ND (77)	ND (78)	ND (80)	ND (78)
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG	ND (77)	ND (88)	ND (80)	ND (80)	ND (78)	ND (77)	ND (78)	ND (80)	ND (78)
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
ACENAPHTHYLENE	UG/KG	T		UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (39)	ND (44)	ND (40)	75 J	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (39)	ND (44)	ND (40)	82 J	ND (39)	62 J	ND (39)	ND (40)	ND (39)
BENZO(G,H,I)PERYLENE	UG/KG	T		UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (39)	ND (44)	ND (40)	60 J	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	ND (77)	ND (88)	ND (80)	ND (80)	ND (78)	510	380 J	ND (80)	ND (78)
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (77)	ND (88)	ND (80)	ND (80)	ND (78)	ND (77)	ND (78)	ND (80)	ND (78)
CARBAZOLE	UG/KG	T		UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
CHRYSENE	UG/KG	T	210000	UG/KG	ND (39)	ND (44)	ND (40)	79 J	ND (39)	51 J	ND (39)	ND (40)	ND (39)
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (77)	ND (88)	ND (80)	ND (80)	ND (78)	ND (77)	ND (78)	ND (80)	ND (78)
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG	ND (77)	ND (88)	ND (80)	ND (80)	ND (78)	ND (77)	ND (78)	ND (80)	ND (78)
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (39)	ND (44)	ND (40)	190 J	ND (39)	41 J	ND (39)	ND (40)	ND (39)
FLUORENE	UG/KG	T	22000000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
PHENANTHRENE	UG/KG	T		UG/KG	ND (39)	ND (44)	ND (40)	150 J	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
PHENOL	UG/KG	T	180000000	UG/KG	ND (39)	ND (44)	ND (40)	ND (40)	ND (39)	ND (38)	ND (39)	ND (40)	ND (39)
PYRENE	UG/KG	T	17000000	UG/KG	ND (39)	ND (44)	ND (40)	180 J	ND (39)	49 J	ND (39)	ND (40)	ND (39)
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000837	0.0000753	0.000144	0.000103		0.000159		0.000118	
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.00000229 B	0.00000176 B	0.00000118 J	0.00000908		0.0000279		0.0000445	
1,2,3,4,7,8,9-HPCDF	MG/KG	T			ND (0.0000000755)	ND (0.0000000894)	0.000000183 J	0.00000136 J		0.0000093		0.0000156	
1,2,3,4,7,8-HXCDD	MG/KG	T			0.00000102 J	0.000000371 J	0.00000154 J	0.000000745 J		0.00000106 J		0.00000103 J	
1,2,3,4,7,8-HXCDF	MG/KG	T			ND (0.0000000488)	ND (0.000000067)	0.000000173 J	0.00000111 J		0.00000705		0.0000121	
1,2,3,6,7,8-HXCDD	MG/KG	T			0.0000017 J	0.00000238 J	0.00000276	0.0000015 J		0.00000129 J		0.00000147 J	
1,2,3,6,7,8-HXCDF	MG/KG	T			ND (0.0000000484)	ND (0.0000000638)	0.000000137 J	0.000000505 J		0.00000152 J		0.00000243 J	

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB17	S13SB17	S13SB18	S15SB01	S15SB01	S15SB02	S15SB02	S16SB01	S16SB02
					6/7/10	6/7/10	6/7/10	5/22/08	5/22/08	5/22/08	5/22/08	4/25/08	4/28/08
					4	14	4	2	7	3	3	2	11
					6	16	6	4	9	5	5	4	13
					FS	FS	FS	FS	FS	DUP	FS	FS	FS
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000302	0.00000339	0.00000504	0.00000128 J		0.00000149 J	0.00000174 J		
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000000606)	0.00000129 J	0.00000265 J	0.00000565 EMPC J		0.00000654 EMPC J	0.00000137 J		
1,2,3,7,8-PECDD	MG/KG	T			0.000000495 J	0.00000192 J	0.000000845 J	0.00000242 EMPC J		0.00000345 EMPC J	0.00000428 J		
1,2,3,7,8-PECDF	MG/KG	T			0.000000636 J	ND (0.000000548)	0.00000127 J	0.00000326 EMPC J		0.00000114 EMPC J	0.00000215 J		
2,3,4,6,7,8-HXCDF	MG/KG	T			ND (0.000000545)	ND (0.000000701)	0.00000157 J	0.00000052 J		0.00000105 J	0.00000163 J		
2,3,4,7,8-PECDF	MG/KG	T			ND (0.000000456)	ND (0.000000552)	ND (0.000000058)	0.00000036 J		0.000000563 J	0.000000821 J		
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000797)	ND (0.000000972)	0.000000948 J	ND (0.00000223)		ND (0.00000267)	0.00000106 J		
2,3,7,8-TCDF	MG/KG	T			ND (0.000000529)	ND (0.000000557)	ND (0.000000539)	0.00000158 J		0.000000554	0.00000069		
HPCDD	MG/KG	T						0.00022		0.000347	0.000259		
HXCDD	MG/KG	T						0.0000249 EMPC		0.0000312 EMPC	0.0000313 EMPC		
HXCDF	MG/KG	T						0.00000779 EMPC		0.0000179 EMPC	0.0000302 EMPC		
OCDD	MG/KG	T			0.00406	0.00237	0.0103 J	0.00894		0.0138 J	0.0091		
OCDF	MG/KG	T			0.0000013 B	0.000000753 B	0.00000385 B	0.0000525		0.000637	0.00109		
TCDD	MG/KG	T			0.000000397	0.0000257	0.00000219 EMPC	0.000000417 EMPC		0.00000106	0.000000669 EMPC		
TCDF	MG/KG	T			0.000000353	0.000000239	0.0000011 EMPC	0.00000498 EMPC		0.00000598 EMPC	0.0000103 EMPC		
TOTAL HPCDD	MG/KG	T			0.000204	0.000289	0.00037 EMPC						
TOTAL HPCDF	MG/KG	T			0.000000706 B	0.000000571 B	0.00000349 B						
TOTAL HXCDD	MG/KG	T			0.0000439	0.000164	0.0000756 EMPC						
TOTAL HXCDF	MG/KG	T			0.00000035	0.00000129	0.00000201 EMPC						
TOTAL PECDD	MG/KG	T			0.00000481	0.0000515	0.00000957 EMPC						
TOTAL PECDD	MG/KG	T						0.00000584 EMPC		0.00000674 EMPC	0.00000625 EMPC		
TOTAL PECDF	MG/KG	T			6.36E-08	ND (0.000000055)	0.000000852 EMPC						
TOTAL PECDF	MG/KG	T						0.00000552 EMPC		0.00000724 EMPC	0.0000123 EMPC		
PCB 1	MG/KG	T			ND (0.00000193)	ND (0.00000844)	ND (0.00000423)	ND (0.000000245)		ND (0.000000358)	ND (0.000000537)		
PCB 10	MG/KG	T			ND (0.000000717)	ND (0.000000675)	ND (0.00000119)	ND (0.000000999)		ND (0.000000743)	ND (0.000000111)		
PCB 102	MG/KG	T			ND (0.000000215)	ND (0.000000272)	ND (0.000000621)	ND (0.000000984)		ND (0.000000144)	0.000000799		
PCB 103	MG/KG	T			ND (0.000000169)	ND (0.000000213)	ND (0.000000488)	ND (0.000000912)		ND (0.000000133)	ND (0.000000154)		
PCB 104	MG/KG	T			ND (0.000000167)	ND (0.000000177)	ND (0.000000401)	ND (0.000000442)		ND (0.000000324)	ND (0.000000528)		
PCB 105	MG/KG	T	0.38	MG/KG	ND (0.000000173)	ND (0.000000195)	ND (0.000000433)	0.00000249		0.00000357	0.00000591		
PCB 106	MG/KG	T			ND (0.00000015)	ND (0.00000019)	ND (0.000000433)	ND (0.000000743)		ND (0.000000108)	ND (0.000000126)		
PCB 109	MG/KG	T			ND (0.00000013)	ND (0.000000164)	ND (0.000000374)	0.000000343		0.000000626	0.00000108		
PCB 11	MG/KG	T			0.00000351 B	0.00000514 B	0.00000279 B	0.00000288 B		0.00000372 B	0.00001 B		
PCB 110	MG/KG	T			0.000000488 J	0.000000374 J	ND (0.000000413)	0.0000108		0.0000148	0.000032		
PCB 111	MG/KG	T			ND (0.000000164)	ND (0.000000208)	ND (0.000000475)	ND (0.00000007)		ND (0.000000102)	ND (0.000000118)		
PCB 112	MG/KG	T			ND (0.000000141)	ND (0.000000179)	ND (0.000000409)	ND (0.000000748)		ND (0.000000109)	ND (0.000000127)		
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.000000164)	ND (0.000000192)	ND (0.000000426)	ND (0.000000726)		0.000000206 EMPCJ	ND (0.000000117)		
PCB 115	MG/KG	T			ND (0.000000137)	ND (0.000000174)	ND (0.000000397)	ND (0.000000711)		ND (0.000000104)	ND (0.00000012)		
PCB 117	MG/KG	T			ND (0.000000165)	ND (0.000000208)	ND (0.000000476)	0.000000147 EMPC		0.000000265	0.000000976		
PCB 118	MG/KG	T	0.38	MG/KG	0.000000476 J	ND (0.000000213)	ND (0.000000448)	0.00000564		0.00000714	0.000012		
PCB 120	MG/KG	T			ND (0.000000139)	ND (0.000000176)	ND (0.000000402)	ND (0.000000704)		ND (0.000000103)	ND (0.000000119)		
PCB 121	MG/KG	T			ND (0.000000167)	ND (0.000000211)	ND (0.000000482)	ND (0.000000729)		ND (0.000000106)	ND (0.000000123)		
PCB 122	MG/KG	T			ND (0.00000017)	ND (0.0000002)	ND (0.000000443)	ND (0.000000784)		0.000000175 EMPC	ND (0.000000127)		
PCB 123	MG/KG	T	0.38	MG/KG	ND (0.000000171)	ND (0.000000216)	ND (0.000000494)	ND (0.000000739)		0.000000153 EMPCJ	ND (0.000000125)		
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.000000178)	ND (0.00000021)	ND (0.000000457)	ND (0.000000132)		0.000000403 J	0.000000506 EMPCJ		
PCB 127	MG/KG	T			ND (0.000000165)	ND (0.000000187)	ND (0.000000413)	ND (0.000000642)		ND (0.000000933)	ND (0.000000114)		
PCB 130	MG/KG	T			ND (0.000000248)	ND (0.00000028)	ND (0.000000597)	0.00000128		0.00000169	0.00000311		
PCB 131	MG/KG	T			ND (0.000000202)	ND (0.000000228)	ND (0.000000486)	ND (0.000000591)		0.000000414	0.000000732		
PCB 132	MG/KG	T			ND (0.000000207)	ND (0.000000234)	ND (0.000000498)	0.00000584		0.00000918	0.0000158		
PCB 133	MG/KG	T			ND (0.000000233)	ND (0.000000263)	ND (0.000000561)	0.000000307		0.000000484	0.000000087		
PCB 134	MG/KG	T			ND (0.000000272)	ND (0.000000308)	ND (0.000000656)	0.000000982		0.00000154	0.00000283		
PCB 136	MG/KG	T			ND (0.000000137)	ND (0.00000016)	ND (0.000000416)	0.00000214		0.00000333	0.00000528		
PCB 137	MG/KG	T			ND (0.000000242)	ND (0.000000273)	ND (0.000000582)	0.000000655 EMPC		0.000000936	0.00000179		
PCB 14	MG/KG	T			ND (0.000000802)	ND (0.000000846)	ND (0.00000186)	ND (0.000000215)		ND (0.000000723)	ND (0.000000124)		

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB17	S13SB17	S13SB18	S15SB01	S15SB01	S15SB02	S15SB02	S16SB01	S16SB02
					6/7/10	6/7/10	6/7/10	5/22/08	5/22/08	5/22/08	5/22/08	4/25/08	4/28/08
					4	14	4	2	7	3	3	2	11
					6	16	6	4	9	5	5	4	13
					FS	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 141	MG/KG	T			ND (0.00000197)	ND (0.00000223)	ND (0.00000475)	0.00000273		0.00000579	0.00000871		
PCB 142	MG/KG	T			ND (0.00000259)	ND (0.00000293)	ND (0.00000624)	ND (0.00000585)		0.00000142	ND (0.00000125)		
PCB 143	MG/KG	T			ND (0.00000235)	ND (0.00000266)	ND (0.00000566)	9.93E-08		ND (0.00000064)	ND (0.00000112)		
PCB 144	MG/KG	T			ND (0.00000021)	ND (0.00000238)	ND (0.00000507)	0.00000814		0.00000146	0.00000223		
PCB 145	MG/KG	T			ND (0.00000143)	ND (0.00000167)	ND (0.00000432)	ND (0.000000437)		ND (0.000000392)	ND (0.00000073)		
PCB 146	MG/KG	T			ND (0.00000181)	ND (0.00000205)	ND (0.00000437)	0.00000268		0.00000403	0.00000681		
PCB 148	MG/KG	T			ND (0.00000245)	ND (0.00000277)	ND (0.00000059)	ND (0.000000543)		ND (0.000000066)	ND (0.00000116)		
PCB 15	MG/KG	T			ND (0.000000991)	ND (0.00000105)	ND (0.00000023)	0.00000104		0.00000115	0.00000126		
PCB 150	MG/KG	T			ND (0.00000146)	ND (0.00000171)	ND (0.00000443)	ND (0.000000424)		ND (0.000000038)	ND (0.000000708)		
PCB 152	MG/KG	T			ND (0.00000121)	ND (0.00000141)	ND (0.00000366)	ND (0.000000414)		ND (0.000000372)	ND (0.000000692)		
PCB 154	MG/KG	T			ND (0.00000193)	ND (0.00000218)	ND (0.00000465)	ND (0.000000466)		ND (0.000000566)	ND (0.000000993)		
PCB 155	MG/KG	T			ND (0.00000143)	ND (0.00000168)	ND (0.00000435)	ND (0.00000041)		ND (0.000000367)	ND (0.000000684)		
PCB 158	MG/KG	T			ND (0.00000148)	ND (0.00000168)	ND (0.00000358)	0.00000216		0.00000292	0.00000515		
PCB 159	MG/KG	T			ND (0.00000023)	ND (0.00000169)	ND (0.00000434)	0.00000256 EMPC		0.000000374 EMPC	0.000000546		
PCB 16	MG/KG	T			ND (0.000000336)	ND (0.00000028)	ND (0.00000758)	0.00000508 B		0.000000733 B	0.000000814 B		
PCB 162	MG/KG	T			ND (0.000000257)	ND (0.00000189)	ND (0.00000486)	ND (0.00000115)		0.000000196 EMPC	0.000000366		
PCB 164	MG/KG	T			ND (0.00000145)	ND (0.00000164)	ND (0.00000349)	0.00000177		0.00000221	0.00000403		
PCB 165	MG/KG	T			ND (0.00000182)	ND (0.00000206)	ND (0.00000439)	ND (0.000000426)		ND (0.000000518)	ND (0.000000908)		
PCB 167	MG/KG	T	0.38	MG/KG	ND (0.00000264)	ND (0.00000194)	ND (0.00000499)	0.000000733 J		0.00000117	0.00000185		
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000247)	ND (0.0000015)	ND (0.00000517)	0.00000163 EMPCJ		0.000000405 J	0.000000481 J		
PCB 17	MG/KG	T			ND (0.00000272)	ND (0.00000227)	ND (0.00000614)	0.000000618 B		0.00000078 B	0.000000851 B		
PCB 170	MG/KG	T			ND (0.00000231)	ND (0.00000029)	ND (0.00000626)	0.0000085		0.000012	0.0000173		
PCB 172	MG/KG	T			ND (0.00000242)	ND (0.00000296)	ND (0.00000067)	0.00000165		0.00000258	0.00000371		
PCB 174	MG/KG	T			ND (0.00000223)	ND (0.00000274)	ND (0.00000619)	0.00000643		0.0000129	0.0000184		
PCB 175	MG/KG	T			ND (0.00000254)	ND (0.00000312)	ND (0.00000705)	0.000000428		0.000000691	0.00000112		
PCB 176	MG/KG	T			ND (0.00000206)	ND (0.00000199)	ND (0.00000501)	0.000000834		0.00000153	0.0000021		
PCB 177	MG/KG	T			ND (0.00000242)	ND (0.00000296)	ND (0.00000067)	0.00000486		0.00000692	0.0000101		
PCB 178	MG/KG	T			ND (0.00000244)	ND (0.00000235)	ND (0.00000592)	0.00000203		0.00000304	0.00000432		
PCB 179	MG/KG	T			ND (0.00000184)	ND (0.00000177)	ND (0.00000448)	0.00000338		0.00000582	0.00000799		
PCB 181	MG/KG	T			ND (0.00000254)	ND (0.00000311)	ND (0.00000703)	ND (0.00000114)		ND (0.00000123)	ND (0.00000212)		
PCB 182	MG/KG	T			ND (0.00000224)	ND (0.00000275)	ND (0.00000622)	ND (0.0000011)		ND (0.00000118)	ND (0.00000205)		
PCB 183	MG/KG	T			ND (0.00000217)	ND (0.00000266)	ND (0.00000602)	0.00000467		0.00000777	0.0000122		
PCB 184	MG/KG	T			ND (0.00000199)	ND (0.00000192)	ND (0.00000484)	ND (0.00000045)		ND (0.000000802)	0.00000023		
PCB 185	MG/KG	T			ND (0.00000273)	ND (0.00000335)	ND (0.00000757)	0.000000957 EMPC		0.00000217	0.00000227		
PCB 186	MG/KG	T			ND (0.00000189)	ND (0.00000182)	ND (0.00000459)	ND (0.00000043)		ND (0.000000767)	ND (0.000000696)		
PCB 187	MG/KG	T			ND (0.00000223)	ND (0.00000273)	ND (0.00000618)	0.0000133		0.0000226	0.0000306		
PCB 188	MG/KG	T			ND (0.00000204)	ND (0.00000197)	ND (0.00000496)	ND (0.000000395)		ND (0.000000704)	0.00000208		
PCB 189	MG/KG	T	0.38	MG/KG	ND (0.00000272)	ND (0.00000172)	ND (0.0000067)	0.000000441 J		0.000000834 J	0.00000135		
PCB 19	MG/KG	T			ND (0.00000353)	ND (0.00000294)	ND (0.00000796)	0.0000003		0.00000177	0.0000003		
PCB 190	MG/KG	T			ND (0.00000181)	ND (0.00000227)	ND (0.00000049)	0.00000173		0.00000266	0.00000386		
PCB 191	MG/KG	T			ND (0.00000193)	ND (0.00000236)	ND (0.00000534)	0.000000403		0.00000509	0.00000868		
PCB 194	MG/KG	T			ND (0.00000415)	ND (0.00000353)	ND (0.00000141)	0.00000737		0.0000121	0.0000164		
PCB 195	MG/KG	T			ND (0.00000437)	ND (0.00000372)	ND (0.00000148)	0.00000263		0.00000319	0.00000452		
PCB 196	MG/KG	T			ND (0.00000345)	ND (0.00000322)	ND (0.00000891)	0.0000041		0.00000616	0.00000912		
PCB 197	MG/KG	T			ND (0.00000251)	ND (0.00000234)	ND (0.00000648)	0.000000781		0.00000192	0.00000277		
PCB 2	MG/KG	T			ND (0.00000185)	0.00000322 J	ND (0.00000335)	0.000000472		0.000000658	0.000000714		
PCB 200	MG/KG	T			ND (0.00000313)	ND (0.00000292)	ND (0.00000808)	0.000000862		0.00000163	0.00000209		
PCB 201	MG/KG	T			ND (0.00000292)	ND (0.00000273)	ND (0.00000755)	0.00000142		0.00000274	0.00000405		
PCB 202	MG/KG	T			ND (0.00000343)	ND (0.00000032)	ND (0.00000886)	0.00000235		0.00000483	0.00000611		
PCB 203	MG/KG	T			ND (0.00000331)	ND (0.00000309)	ND (0.00000856)	0.00000626		0.00000955	0.0000126		
PCB 204	MG/KG	T			ND (0.00000295)	ND (0.00000276)	ND (0.00000763)	ND (0.000000584)		0.000000202	ND (0.00000118)		
PCB 205	MG/KG	T			ND (0.00000394)	ND (0.00000335)	ND (0.00000134)	0.000000535		0.00000127	0.00000188		
PCB 206	MG/KG	T			ND (0.0000013)	ND (0.00000104)	ND (0.00000279)	0.0000188		0.0000452	0.0000672		

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB17	S13SB17	S13SB18	S15SB01	S15SB01	S15SB02	S15SB02	S16SB01	S16SB02
					6/7/10	6/7/10	6/7/10	5/22/08	5/22/08	5/22/08	5/22/08	4/25/08	4/28/08
					4	14	4	2	7	3	3	2	11
					6	16	6	4	9	5	5	4	13
					FS	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 207	MG/KG	T			ND (0.000000818)	ND (0.000000711)	ND (0.00000165)	0.00000559		0.0000163	0.0000244		
PCB 208	MG/KG	T			ND (0.000000994)	ND (0.000000863)	ND (0.000002)	0.00000761		0.0000205	0.0000292		
PCB 209	MG/KG	T			0.00000207	ND (0.000000631)	ND (0.00000136)	0.000132		0.000729	0.0012		
PCB 22	MG/KG	T			ND (0.000000235)	ND (0.000000221)	ND (0.000000434)	0.000000734 B		0.000000958 B	0.00000135 B		
PCB 23	MG/KG	T			ND (0.000000302)	ND (0.000000284)	ND (0.000000558)	ND (0.000000856)		ND (0.000000139)	ND (0.000000168)		
PCB 24	MG/KG	T			ND (0.000000208)	ND (0.000000173)	ND (0.000000468)	ND (0.000000643)		ND (0.0000000726)	ND (0.000000106)		
PCB 25	MG/KG	T			ND (0.000000223)	ND (0.000000021)	ND (0.000000412)	0.000000182		0.000000217	0.000000235		
PCB 27	MG/KG	T			ND (0.00000022)	ND (0.000000183)	ND (0.000000495)	0.0000000929 EMPC		ND (0.000000685)	ND (0.0000001)		
PCB 3	MG/KG	T			ND (0.000000222)	ND (0.000000274)	ND (0.000000403)	0.000000783		0.000000918	0.00000104		
PCB 31	MG/KG	T			0.000000265 B	0.000000231 B	0.000000327 B	0.00000169 B		0.0000018 B	0.00000261 B		
PCB 32	MG/KG	T			ND (0.000000188)	0.000000177 J	ND (0.000000423)	0.000000496 B		0.000000461 B	0.000000687 B		
PCB 34	MG/KG	T			ND (0.000000265)	ND (0.000000249)	ND (0.000000489)	ND (0.000000845)		ND (0.000000137)	ND (0.000000166)		
PCB 35	MG/KG	T			ND (0.000000264)	ND (0.000000248)	ND (0.000000488)	0.000000197		0.000000474 EMPC	0.00000104		
PCB 36	MG/KG	T			ND (0.000000229)	ND (0.000000215)	ND (0.000000423)	ND (0.000000782)		ND (0.000000127)	ND (0.000000154)		
PCB 37	MG/KG	T			ND (0.000000028)	ND (0.000000264)	ND (0.000000518)	0.000000815		0.00000148	0.00000224 EMPC		
PCB 38	MG/KG	T			ND (0.000000274)	ND (0.000000258)	ND (0.000000506)	ND (0.000000858)		ND (0.000000139)	ND (0.000000169)		
PCB 39	MG/KG	T			ND (0.000000265)	ND (0.000000249)	ND (0.00000049)	0.000000104 EMPC		0.000000354	ND (0.000000154)		
PCB 4	MG/KG	T			ND (0.00000129)	ND (0.00000121)	ND (0.00000213)	0.000000602		0.000000566	0.000000758		
PCB 41	MG/KG	T			ND (0.000000246)	ND (0.000000316)	ND (0.00000058)	ND (0.000000128)		0.000000281	0.000000435 EMPC		
PCB 42	MG/KG	T			ND (0.000000244)	ND (0.000000314)	ND (0.000000576)	0.000000522		0.000000701	0.00000149		
PCB 43	MG/KG	T			ND (0.000000266)	ND (0.000000342)	ND (0.000000628)	ND (0.000000133)		ND (0.000000899)	ND (0.000000135)		
PCB 45	MG/KG	T			ND (0.000000235)	ND (0.000000302)	ND (0.000000555)	0.000000288 EMPC		0.000000396	0.00000126		
PCB 46	MG/KG	T			ND (0.000000251)	ND (0.000000322)	ND (0.000000592)	0.000000226		0.000000212	0.000000473		
PCB 48	MG/KG	T			ND (0.000000208)	ND (0.000000267)	ND (0.000000491)	0.000000322		0.000000463	0.000000968		
PCB 5	MG/KG	T			ND (0.000000879)	ND (0.000000927)	ND (0.00000204)	ND (0.000000265)		0.000000488	ND (0.000000152)		
PCB 51	MG/KG	T			ND (0.000000223)	ND (0.000000287)	ND (0.000000527)	0.000000203		0.000000239	0.00000041 EMPC		
PCB 52	MG/KG	T			0.000000654 B	0.000000522 B	0.000000813 B	0.00000319 B		0.00000431	0.00000835		
PCB 54	MG/KG	T			ND (0.000000202)	ND (0.000000185)	ND (0.000000482)	ND (0.000000532)		ND (0.000000517)	ND (0.000000656)		
PCB 55	MG/KG	T			ND (0.000000303)	ND (0.000000277)	ND (0.000000564)	ND (0.000000119)		ND (0.000000112)	ND (0.000000179)		
PCB 56	MG/KG	T			ND (0.000000284)	ND (0.000000026)	ND (0.000000053)	0.000000954		0.00000698	0.0000112		
PCB 57	MG/KG	T			ND (0.000000329)	ND (0.000000301)	ND (0.000000613)	ND (0.000000117)		ND (0.00000011)	ND (0.000000175)		
PCB 58	MG/KG	T			ND (0.000000291)	ND (0.000000267)	ND (0.000000542)	ND (0.000000115)		ND (0.000000108)	ND (0.000000172)		
PCB 6	MG/KG	T			ND (0.000000866)	ND (0.000000914)	ND (0.00000201)	0.000000396		0.000000303	0.000000398		
PCB 60	MG/KG	T			ND (0.000000279)	ND (0.000000256)	ND (0.00000052)	0.000000448 EMPC		0.000000785 EMPC	0.00000158		
PCB 63	MG/KG	T			ND (0.000000315)	ND (0.000000288)	ND (0.000000586)	ND (0.000000105)		ND (0.000000991)	ND (0.000000158)		
PCB 64	MG/KG	T			ND (0.000000172)	ND (0.000000221)	ND (0.000000407)	0.000000895 B		0.00000145	0.00000364		
PCB 66	MG/KG	T			ND (0.000000028)	ND (0.000000256)	ND (0.000000521)	0.00000173		0.00000312	0.00000628		
PCB 67	MG/KG	T			ND (0.000000266)	ND (0.000000243)	ND (0.000000495)	ND (0.000000106)		ND (0.000000997)	ND (0.000000159)		
PCB 68	MG/KG	T			ND (0.000000326)	ND (0.000000299)	ND (0.000000608)	ND (0.000000104)		0.000000673	ND (0.000000156)		
PCB 7	MG/KG	T			ND (0.000000841)	ND (0.000000887)	ND (0.00000195)	ND (0.000000253)		ND (0.000000849)	ND (0.000000145)		
PCB 72	MG/KG	T			ND (0.000000284)	ND (0.000000026)	ND (0.000000528)	ND (0.00000011)		ND (0.000000104)	ND (0.000000166)		
PCB 73	MG/KG	T			ND (0.000000175)	ND (0.000000225)	ND (0.000000414)	ND (0.000000832)		ND (0.000000561)	ND (0.000000844)		
PCB 77	MG/KG	T	0.11	MG/KG	ND (0.000000358)	ND (0.000000347)	ND (0.000000678)	0.000000602 J		0.0000041	0.00000636		
PCB 78	MG/KG	T			ND (0.000000305)	ND (0.000000279)	ND (0.000000568)	ND (0.000000116)		ND (0.00000011)	ND (0.000000175)		
PCB 79	MG/KG	T			ND (0.000000262)	ND (0.000000024)	ND (0.000000489)	ND (0.000000977)		0.000000141 EMPC	ND (0.000000147)		
PCB 8	MG/KG	T			ND (0.000000842)	0.000000395 J	ND (0.00000195)	0.00000173 B		0.00000167 B	0.00000185 B		
PCB 80	MG/KG	T			ND (0.000000309)	ND (0.000000283)	ND (0.000000575)	ND (0.000000102)		ND (0.000000964)	ND (0.000000154)		
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.000000335)	ND (0.000000306)	ND (0.000000623)	ND (0.000000114)		ND (0.000000107)	ND (0.000000171)		
PCB 82	MG/KG	T			ND (0.000000225)	ND (0.000000284)	ND (0.000000065)	0.000000777		0.00000127	0.00000228		
PCB 83	MG/KG	T			ND (0.000000221)	ND (0.000000028)	ND (0.000000064)	0.000000045		0.000000525 EMPC	0.00000112		
PCB 84	MG/KG	T			0.000000356 J	ND (0.000000266)	ND (0.000000607)	0.00000225		0.00000366	0.00000768		
PCB 88	MG/KG	T			ND (0.000000257)	ND (0.000000325)	ND (0.000000742)	ND (0.000000115)		ND (0.000000168)	ND (0.000000195)		
PCB 89	MG/KG	T			ND (0.000000207)	ND (0.000000262)	ND (0.000000599)	ND (0.000000105)		ND (0.000000152)	ND (0.000000177)		

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit



**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB17	S13SB17	S13SB18	S15SB01	S15SB01	S15SB02	S15SB02	S16SB01	S16SB02
					6/7/10	6/7/10	6/7/10	5/22/08	5/22/08	5/22/08	5/22/08	4/25/08	4/28/08
PCB 9	MG/KG	T			ND (0.00000847)	ND (0.00000894)	ND (0.00000197)	0.00000224		0.0000024	ND (0.00000143)		
PCB 91	MG/KG	T			ND (0.00000197)	ND (0.00000249)	ND (0.0000057)	0.00000884		0.0000159	0.0000356		
PCB 92	MG/KG	T			ND (0.00000207)	ND (0.00000262)	ND (0.00000598)	0.00000109		0.0000194	0.0000371		
PCB 94	MG/KG	T			ND (0.00000246)	ND (0.0000031)	ND (0.00000709)	ND (0.00000105)		ND (0.00000153)	ND (0.00000177)		
PCB 95	MG/KG	T			0.00000643 B	0.00000484 B	ND (0.00000529)	0.00000657		0.0000111	0.0000226		
PCB 96	MG/KG	T			ND (0.00000152)	ND (0.00000162)	ND (0.00000366)	0.000000756 EMPC		ND (0.000000376)	0.00000227		
PCB 98	MG/KG	T			ND (0.00000186)	ND (0.00000235)	ND (0.00000537)	ND (0.000000913)		ND (0.00000133)	ND (0.00000154)		
PCB 99	MG/KG	T			ND (0.00000175)	ND (0.00000221)	ND (0.00000506)	0.00000248		0.00000341	0.00000585		
PCB-100/93	MG/KG	T			ND (0.00000198)	ND (0.0000025)	ND (0.00000572)	ND (0.000000956)		ND (0.00000139)	ND (0.00000162)		
PCB-107/124	MG/KG	T			ND (0.00000151)	ND (0.00000191)	ND (0.00000436)	0.00000254 EMPC		0.0000035 EMPC	0.00000646		
PCB-108/119/86/97/125/87	MG/KG	T			ND (0.00000175)	ND (0.00000221)	ND (0.00000506)	0.00000425		0.00000583	0.0000108		
PCB-113/90/101	MG/KG	T			0.000006 B	0.00000455 B	0.00000639 B	0.00000572		0.0000101	0.0000166		
PCB-116/85	MG/KG	T			ND (0.00000197)	ND (0.0000025)	ND (0.0000057)	0.00000105		0.0000142	0.0000217		
PCB-128/166	MG/KG	T			ND (0.00000267)	ND (0.00000196)	ND (0.00000505)	0.00000365		0.00000441	0.00000758		
PCB-13/12	MG/KG	T			ND (0.00000973)	ND (0.00000103)	ND (0.00000226)	ND (0.00000254)		0.00000615	0.00000102		
PCB-139/140	MG/KG	T			ND (0.00000229)	ND (0.00000259)	ND (0.00000551)	0.00000347		0.00000376	0.00000766		
PCB-147/149	MG/KG	T			ND (0.00000186)	0.0000032 J	0.00000502 J	0.0000144		0.0000235	0.0000402		
PCB-151/135	MG/KG	T			ND (0.0000021)	ND (0.00000238)	ND (0.00000507)	0.00000661		0.0000104	0.0000163		
PCB-153/168	MG/KG	T			0.00000608 B	0.00000221 B	ND (0.00000403)	0.0000117		0.0000206	0.0000321		
PCB-156/157	MG/KG	T			ND (0.00000346)	ND (0.00000246)	ND (0.0000068)	0.00000168 J		0.00000272	0.0000043		
PCB-163/138/129	MG/KG	T			ND (0.00000193)	0.00000343 J	0.00000664 J	0.0000181		0.0000027	0.0000459		
PCB-171/173	MG/KG	T			ND (0.00000237)	ND (0.0000029)	ND (0.00000657)	0.00000259		0.00000419	0.00000652		
PCB-180/193	MG/KG	T			0.00000385 J	ND (0.00000231)	ND (0.00000523)	0.0000202		0.0000298	0.0000409		
PCB-198/199	MG/KG	T			ND (0.00000354)	ND (0.00000331)	ND (0.00000915)	0.000011		0.0000166	0.0000217		
PCB-21/33	MG/KG	T			ND (0.00000271)	0.00000241	ND (0.00000501)	0.0000012 B		0.00000159 B	0.00000204 B		
PCB-26/29	MG/KG	T			ND (0.00000245)	ND (0.00000231)	ND (0.00000454)	0.00000351 B		0.00000278 B	0.00000503 B		
PCB-28/20	MG/KG	T			0.00000567 B	0.0000053 B	0.00000624 B	0.00000216 B		0.00000224 B	0.00000339 B		
PCB-30/18	MG/KG	T			0.00000336 J	0.00000549 J	ND (0.00000551)	0.00000151 B		0.00000165 B	0.0000019 B		
PCB-44/47/65	MG/KG	T			0.00000567 J	0.00000471 J	0.00000875 J	0.0000026 B		0.00000329 B	0.00000682		
PCB-50/53	MG/KG	T			ND (0.00000235)	ND (0.00000302)	ND (0.00000555)	0.00000044		0.00000429 EMPC	0.00000124		
PCB-59/62/75	MG/KG	T			ND (0.00000178)	ND (0.00000228)	ND (0.00000419)	0.00000208		0.00000211	0.00000625		
PCB-61/70/74/76	MG/KG	T			0.00000491 J	0.00000375 J	ND (0.00000525)	0.00000396		0.00000672	0.000012		
PCB-69/49	MG/KG	T			0.00000246 J	ND (0.00000256)	ND (0.00000471)	0.00000126 B		0.00000162 B	0.00000323		
PCB-71/40	MG/KG	T			ND (0.000002)	ND (0.00000257)	ND (0.00000472)	0.00000785		0.00000277	0.00000497		
TOTAL DICHLOOROBIPHENYLS (CONGEN)	MG/KG	T			0.00000351 B	0.00000554 B	0.00000279 B	0.00000687 B		0.00000874 B	0.0000153 B		
TOTAL HEPTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T			0.00000385 EMPC	ND (0.00000244)	ND (0.00000635)	0.0000724 EMPC		0.000116	0.000164		
TOTAL HEXACHLOOROBIPHENYLS (CONGEN)	MG/KG	T			0.00000608 B	0.00000884 B	0.00000117	0.0000792 EMPC		0.000125 EMPC	0.000208		
TOTAL MONOCHLOOROBIPHENYLS (CONGEN)	MG/KG	T			ND (0.00000108)	0.00000322	ND (0.00000232)	0.00000125		0.00000158	0.00000175		
TOTAL NONACHLOOROBIPHENYLS (CONGEN)	MG/KG	T			ND (0.00000115)	ND (0.00000951)	ND (0.0000024)	0.0000321		0.0000819	0.000121		
TOTAL OCTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T			ND (0.00000368)	ND (0.00000327)	ND (0.00000111)	0.0000373		0.0000602	0.0000813		
TOTAL PENTACHLOOROBIPHENYLS (CONGEN)	MG/KG	T			0.00000256 B	0.00000131 B	0.00000639 B	0.0000453 EMPC		0.0000685 EMPC	0.000131 EMPC		
TOTAL TETRACHLOOROBIPHENYLS (CONGEN)	MG/KG	T			0.00000196 B	0.00000137 B	0.00000169 B	0.0000186 EMPC		0.0000389 EMPC	0.0000713 EMPC		
TOTAL TRICHLOROBIPHENYLS (CONGEN)	MG/KG	T			0.00000117 B	0.00000173 B	0.000000951 B	0.000011 B		0.0000132 B	0.000018 B		
ALUMINIUM	MG/KG	T	990000	MG/KG	14700	4800	18600	14000	12000	13800	14600	16100	15300
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.14)	ND (1.27)	ND (1.17)	ND (1.18) UJ	ND (1.16) UJ	ND (1.12) UJ	ND (1.17) UJ	ND (1.07) UJ	ND (1.01) UJ
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 3.09	1.31 J	<sup>^</sup> 2.96	<sup>^</sup> 2.56	<sup>^</sup> 3.44	<sup>^</sup> 4.57	<sup>^</sup> 4.98	<sup>^</sup> 2.38 J	1.51 J
BARIUM	MG/KG	T	190000	MG/KG	27.2	10.5	49.2	60.2	54.9	53	53	39.2	34.1
BERYLLIUM	MG/KG	T	2000	MG/KG	0.403 J	0.512 J	0.582 J	0.572 J	0.426 J	0.401 J	0.362 J	0.388 J	0.314 J
CADMIUM	MG/KG	T	800	MG/KG	0.723	1.21	0.877	0.352 J	0.324 J	0.53 J	0.546 J	0.381 J	0.269 J
CALCIUM	MG/KG	T			329	291	327	1390 J	1080 J	2090	1980	1000	626
CHROMIUM	MG/KG	T			23.6	35	28.9	25.2	17.1	25.4 J	30.1 J	25.2 J	18.3 J
COBALT	MG/KG	T	300	MG/KG	2.9	0.718	4.01	5.35	5.39	5.14	5.09	5.9	6.69
COPPER	MG/KG	T	41000	MG/KG	26.3	14.3	7.91	590	9.27	10.1	10.6	9.39	8.07

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S13SB17	S13SB17	S13SB18	S15SB01	S15SB01	S15SB02	S15SB02	S16SB01	S16SB02
				Date	6/7/10	6/7/10	6/7/10	5/22/08	5/22/08	5/22/08	5/22/08	4/25/08	4/28/08
				Top (ft)	4	14	4	2	7	3	3	2	11
				Bottom (ft)	6	16	6	4	9	5	5	4	13
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS
IRON	MG/KG	T	720000	MG/KG	17500	26500	21800	14800	13100	16500	17200	19200	15300
LEAD	MG/KG	T	800	MG/KG	11.6 J	12.6 J	12.1 J	12.5	25.1	18.7	23.6	11.2	5.91
MAGNESIUM	MG/KG	T			1520	322	2320	2210	1340	1950	2170	2410	2350
MANGANESE	MG/KG	T	23000	MG/KG	50.7	34.2	71.5	113	147	182 J	157 J	182	147
MERCURY	MG/KG	T	43	MG/KG	ND (0.0131)	0.0343 J	ND (0.0131)	0.209	0.0356 J	0.127	0.0317 J	0.0185 J	ND (0.0121)
NICKEL	MG/KG	T	20000	MG/KG	6.65	2.23	8.18	23.2	8.09	13.5	15.5	10.2	9.74
POTASSIUM	MG/KG	T			897	140	934	1670	849	1330 J	1390 J	1690 J	1620 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.12)	ND (1.25)	ND (1.15)	ND (1.16)	ND (1.14)	ND (1.09)	ND (1.15)	ND (1.16) UJ	ND (1.09) UJ
SILVER	MG/KG	T	5100	MG/KG	ND (0.206)	ND (0.229)	0.264 J	0.818	0.8	0.966	0.923	0.267 J	0.245 J
SODIUM	MG/KG	T			119	ND (47.5)	52.6 J	161	174	276	284	227	81.3 J
THALLIUM	MG/KG	T	10	MG/KG	ND (1.66)	ND (1.85)	ND (1.7)	ND (0.178)	ND (0.174)	ND (0.169) UJ	0.21 J	ND (0.177) UJ	ND (0.169) UJ
TITANIUM	MG/KG	T						865 J	604 J	892	883	1000	855
VANADIUM	MG/KG	T			35.2	105	34	31.8	24.6	35	36.1	36.8	29.8
ZINC	MG/KG	T	310000	MG/KG	24.3	4.8	29.5	47.7	32.6	38.4	36	27.3	22.7
C19 to C36 Aliphatics	MG/KG	T											
TOTAL ORGANIC CARBON	MG/KG	T			ND (134)	1220	262 J	ND (368)	2030	6220	2370	ND (446)	ND (276)
DRO C10-C28	MG/KG	T											
HPCDFS	MG/KG	T						0.000014		0.0000519	0.0000833		
ORO >C28 - C35	MG/KG	T											

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S16SB03	S16SB04	S16SB05	S16SB05	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW04
					4/25/08	4/25/08	4/28/08	4/28/08	5/19/10	5/15/08	5/15/08	5/14/08	5/14/08	5/13/08	5/13/08
					7.5	2	2	5.5	6	3	13	6.5	9	7	7
					9.5	4	4	7.5	8	5	15	7.5	10	9	8
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)							
2-HEXANONE	UG/KG	T	1400000	UG/KG	ND (3)	ND (3)	ND (3)	ND (3)							
ACETONE	UG/KG	T	630000000	UG/KG	16 J	19 J	38	17 J							
BENZENE	UG/KG	T	5400	UG/KG	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.6)	ND (0.5)				ND (26)
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG	ND (1)	1 J	ND (0.9)	3 J							
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
CHLOROBENZENE	UG/KG	T	1400000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
CHLOROFORM	UG/KG	T	1500	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
CUMENE	UG/KG	T	11000000	UG/KG						ND (1)	ND (1)				56 J
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)		ND (1)	ND (1)				ND (53)
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG	ND (4)	ND (4)	ND (4)	ND (4)							
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG	ND (2)	ND (2)	ND (2)	3 J							
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
TOLUENE	UG/KG	T	45000000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)		ND (1)	ND (1)				ND (53)
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
TRICHLOROETHENE	UG/KG	T	6400	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)							
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (1)	ND (0.9)	ND (1)		ND (1)	ND (1)				100 J
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG	ND (76)	ND (82)	ND (75)	ND (73)							
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)			ND (110) UJ	ND (120) UJ			
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG	ND (76)	ND (82)	ND (75)	ND (73)							
ACENAPHTHENE	UG/KG	T	33000000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)			ND (110) UJ	ND (120) UJ			
ACENAPHTHYLENE	UG/KG	T			ND (38)	ND (41)	ND (37)	ND (36)			ND (110) UJ	ND (120) UJ			
ANTHRACENE	UG/KG	T	170000000	UG/KG	ND (38)	ND (41)	ND (37)	50 J			ND (110) UJ	ND (120) UJ			
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG	ND (38)	ND (41)	ND (37)	160 J			ND (110) UJ	ND (120) UJ			
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG	ND (38)	ND (41)	ND (37)	170 J			ND (110) UJ	ND (120) UJ			
BENZO(G,H,I)PERYLENE	UG/KG	T			ND (38)	ND (41)	ND (37)	91 J			ND (110) UJ	ND (120) UJ			
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG	ND (38)	ND (41)	ND (37)	74 J			ND (110) UJ	ND (120) UJ			
BENZO(A)PYRENE	UG/KG	T	210	UG/KG	ND (38)	ND (41)	ND (37)	130 J			ND (110) UJ	ND (120) UJ			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG	140 J	340 J	ND (75)	ND (73)							
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG	ND (76)	ND (82)	ND (75)	ND (73)							
CARBAZOLE	UG/KG	T			ND (38)	ND (41)	ND (37)	ND (36)							
CHRYSENE	UG/KG	T	210000	UG/KG	ND (38)	ND (41)	ND (37)	180			ND (110) UJ	ND (120) UJ			
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)			ND (110) UJ	ND (120) UJ			
DIBENZOFURAN	UG/KG	T	1000000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)							
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG	ND (76)	ND (82)	ND (75)	ND (73)							
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG	ND (76)	ND (82)	ND (75)	ND (73)							
FLUORANTHENE	UG/KG	T	22000000	UG/KG	ND (38)	43 J	ND (37)	210			ND (110) UJ	ND (120) UJ			
FLUORENE	UG/KG	T	22000000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)			ND (110) UJ	ND (120) UJ			
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)							
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG	ND (38)	ND (41)	ND (37)	79 J			ND (110) UJ	ND (120) UJ			
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (38)	ND (41)	ND (37)	39 J		ND (42)	ND (38)	ND (110) UJ	ND (120) UJ		94 J
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)							
PHENANTHRENE	UG/KG	T			ND (38)	ND (41)	ND (37)	120 J			ND (110) UJ	ND (120) UJ			
PHENOL	UG/KG	T	180000000	UG/KG	ND (38)	ND (41)	ND (37)	ND (36)							
PYRENE	UG/KG	T	17000000	UG/KG	ND (38)	ND (41)	ND (37)	230			ND (110) UJ	ND (120) UJ			
1,2,3,4,6,7,8-HPCDD	MG/KG	T					0.0000769								
1,2,3,4,6,7,8-HPCDF	MG/KG	T					0.00000831								
1,2,3,4,7,8,9-HPCDF	MG/KG	T					0.00000108 J								
1,2,3,4,7,8-HXCDD	MG/KG	T					0.000000537 EMPC J								
1,2,3,4,7,8-HXCDF	MG/KG	T					0.00000107 J								
1,2,3,6,7,8-HXCDD	MG/KG	T					0.00000075 J								
1,2,3,6,7,8-HXCDF	MG/KG	T					0.000000537 J								

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S16SB03	S16SB04	S16SB05	S16SB05	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW04			
				Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
				Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)
				Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)
				Duplicate															
1,2,3,7,8,9-HXCDD	MG/KG	T						0.00000817 J											
1,2,3,7,8,9-HXCDF	MG/KG	T						0.00000269 EMPC J											
1,2,3,7,8-PECDD	MG/KG	T						ND (0.00000626)											
1,2,3,7,8-PECDF	MG/KG	T						0.00000278 J											
2,3,4,6,7,8-HXCDF	MG/KG	T						0.00000514 J											
2,3,4,7,8-PECDF	MG/KG	T						ND (0.00000235) UJ											
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG				ND (0.00000158)											
2,3,7,8-TCDF	MG/KG	T						0.00000103 J											
HPCDD	MG/KG	T						0.000165											
HXCDD	MG/KG	T						0.0000127 EMPC											
HXCDFS	MG/KG	T						0.00000477 EMPC											
OCDD	MG/KG	T						0.00636											
OCDF	MG/KG	T						0.0000387											
TCDD	MG/KG	T						ND (0.00000158)											
TCDFS	MG/KG	T						0.00000137 EMPC											
TOTAL HPCDD	MG/KG	T																	
TOTAL HPCDF	MG/KG	T																	
TOTAL HXCDD	MG/KG	T																	
TOTAL HXCDF	MG/KG	T																	
TOTAL PECDD	MG/KG	T																	
TOTAL PECDD	MG/KG	T						0.00000119 EMPC											
TOTAL PECDF	MG/KG	T																	
TOTAL PECDFS	MG/KG	T						0.0000022 EMPC											
PCB 1	MG/KG	T						0.00000663 B											
PCB 10	MG/KG	T						ND (0.00000362) UJ											
PCB 102	MG/KG	T						ND (0.00000191)											
PCB 103	MG/KG	T						ND (0.00000199)											
PCB 104	MG/KG	T						ND (0.00000112)											
PCB 105	MG/KG	T	0.38	MG/KG				0.00000481 B											
PCB 106	MG/KG	T						ND (0.0000017)											
PCB 109	MG/KG	T						ND (0.00000162)											
PCB 11	MG/KG	T						0.0000157 B											
PCB 110	MG/KG	T						0.00000154 B											
PCB 111	MG/KG	T						ND (0.00000157)											
PCB 112	MG/KG	T						ND (0.00000166)											
PCB 114	MG/KG	T	0.38	MG/KG				ND (0.00000168)											
PCB 115	MG/KG	T						ND (0.00000154)											
PCB 117	MG/KG	T						ND (0.00000165)											
PCB 118	MG/KG	T	0.38	MG/KG				0.00000104 B											
PCB 120	MG/KG	T						ND (0.00000157)											
PCB 121	MG/KG	T						ND (0.00000157)											
PCB 122	MG/KG	T						ND (0.00000173)											
PCB 123	MG/KG	T	0.38	MG/KG				ND (0.00000175)											
PCB 126	MG/KG	T	0.00011	MG/KG				ND (0.00000172)											
PCB 127	MG/KG	T						ND (0.00000167)											
PCB 130	MG/KG	T						ND (0.00000246)											
PCB 131	MG/KG	T						ND (0.00000241)											
PCB 132	MG/KG	T						0.00000503											
PCB 133	MG/KG	T						ND (0.00000227)											
PCB 134	MG/KG	T						ND (0.00000242)											
PCB 136	MG/KG	T						0.00000207											
PCB 137	MG/KG	T						ND (0.00000215)											
PCB 14	MG/KG	T						ND (0.00000266) UJ											

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S16SB03	S16SB04	S16SB05	S16SB05	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW04			
				Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	
				Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)
				Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)	Bottom (ft)
				Duplicate															
PCB 141	MG/KG	T						ND (0.00000222)											
PCB 142	MG/KG	T						ND (0.00000235)											
PCB 143	MG/KG	T						ND (0.00000235)											
PCB 144	MG/KG	T						ND (0.00000207)											
PCB 145	MG/KG	T						ND (0.00000153)											
PCB 146	MG/KG	T						0.00000203 EMPC											
PCB 148	MG/KG	T						ND (0.00000213)											
PCB 15	MG/KG	T						0.00000295 B											
PCB 150	MG/KG	T						ND (0.0000015)											
PCB 152	MG/KG	T						ND (0.00000148)											
PCB 154	MG/KG	T						ND (0.00000185)											
PCB 155	MG/KG	T						ND (0.00000141)											
PCB 158	MG/KG	T						ND (0.00000152)											
PCB 159	MG/KG	T						ND (0.00000186)											
PCB 16	MG/KG	T						0.00000238 B											
PCB 162	MG/KG	T						ND (0.00000185)											
PCB 164	MG/KG	T						ND (0.00000166)											
PCB 165	MG/KG	T						ND (0.00000181)											
PCB 167	MG/KG	T	0.38	MG/KG				ND (0.00000197)											
PCB 169	MG/KG	T	0.00038	MG/KG				ND (0.0000022)											
PCB 17	MG/KG	T						0.00000258 B											
PCB 170	MG/KG	T						0.000000601											
PCB 172	MG/KG	T						ND (0.00000353)											
PCB 174	MG/KG	T						0.000000525 EMPC											
PCB 175	MG/KG	T						ND (0.00000335)											
PCB 176	MG/KG	T						ND (0.00000153)											
PCB 177	MG/KG	T						ND (0.00000366)											
PCB 178	MG/KG	T						ND (0.00000217)											
PCB 179	MG/KG	T						0.00000285											
PCB 181	MG/KG	T						ND (0.00000331)											
PCB 182	MG/KG	T						ND (0.00000314)											
PCB 183	MG/KG	T						ND (0.00000326)											
PCB 184	MG/KG	T						ND (0.00000165)											
PCB 185	MG/KG	T						ND (0.0000033)											
PCB 186	MG/KG	T						ND (0.00000158)											
PCB 187	MG/KG	T						0.000000961											
PCB 188	MG/KG	T						ND (0.00000143)											
PCB 189	MG/KG	T	0.38	MG/KG				0.0000024 J											
PCB 19	MG/KG	T						0.00000564 B											
PCB 190	MG/KG	T						ND (0.00000219)											
PCB 191	MG/KG	T						ND (0.00000254)											
PCB 194	MG/KG	T						0.00000125											
PCB 195	MG/KG	T						0.000000371											
PCB 196	MG/KG	T						0.00000102											
PCB 197	MG/KG	T						ND (0.00000232)											
PCB 2	MG/KG	T						0.000000696											
PCB 200	MG/KG	T						ND (0.00000236)											
PCB 201	MG/KG	T						0.00000447 EMPC											
PCB 202	MG/KG	T						0.000000618											
PCB 203	MG/KG	T						0.00000109											
PCB 204	MG/KG	T						ND (0.00000246)											
PCB 205	MG/KG	T						0.00000291 EMPC											
PCB 206	MG/KG	T						0.0000112											

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB03	S16SB04	S16SB05	S16SB05	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW04
				Date	4/25/08	4/25/08	4/28/08	4/28/08	5/19/10	5/15/08	5/15/08	5/14/08	5/14/08	5/13/08	5/13/08
				Top (ft)	7.5	2	2	5.5	6	3	13	6.5	9	7	7
				Bottom (ft)	9.5	4	4	7.5	8	5	15	7.5	10	9	8
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 207	MG/KG	T						0.00000501							
PCB 208	MG/KG	T						0.00000457							
PCB 209	MG/KG	T						0.000106							
PCB 22	MG/KG	T						0.00000203 B							
PCB 23	MG/KG	T						ND (0.00000232)							
PCB 24	MG/KG	T						0.000000174							
PCB 25	MG/KG	T						0.000000512 B							
PCB 27	MG/KG	T						0.000000323 B							
PCB 3	MG/KG	T						0.000000876 B							
PCB 31	MG/KG	T						0.00000523 B							
PCB 32	MG/KG	T						0.00000151 B							
PCB 34	MG/KG	T						ND (0.00000229)							
PCB 35	MG/KG	T						0.000000276							
PCB 36	MG/KG	T						ND (0.00000223)							
PCB 37	MG/KG	T						0.00000105 B							
PCB 38	MG/KG	T						ND (0.00000238)							
PCB 39	MG/KG	T						ND (0.00000218)							
PCB 4	MG/KG	T						0.00000269 B							
PCB 41	MG/KG	T						ND (0.00000232)							
PCB 42	MG/KG	T						0.00000062 B							
PCB 43	MG/KG	T						ND (0.00000225)							
PCB 45	MG/KG	T						0.000000491 B							
PCB 46	MG/KG	T						ND (0.00000222)							
PCB 48	MG/KG	T						0.000000672 B							
PCB 5	MG/KG	T						0.00000046 B							
PCB 51	MG/KG	T						0.000000295 B							
PCB 52	MG/KG	T						0.00000269 B							
PCB 54	MG/KG	T						ND (0.00000106)							
PCB 55	MG/KG	T						ND (0.00000164)							
PCB 56	MG/KG	T						0.00000036 B							
PCB 57	MG/KG	T						ND (0.00000158)							
PCB 58	MG/KG	T						ND (0.00000162)							
PCB 6	MG/KG	T						0.00000142 B							
PCB 60	MG/KG	T						0.000000296 EMPC							
PCB 63	MG/KG	T						ND (0.00000149)							
PCB 64	MG/KG	T						0.000000898 B							
PCB 66	MG/KG	T						0.000000816 B							
PCB 67	MG/KG	T						ND (0.00000148)							
PCB 68	MG/KG	T						ND (0.00000151)							
PCB 7	MG/KG	T						0.000000377 J							
PCB 72	MG/KG	T						ND (0.00000153)							
PCB 73	MG/KG	T						ND (0.00000145)							
PCB 77	MG/KG	T	0.11	MG/KG				0.000000255 J							
PCB 78	MG/KG	T						ND (0.00000169)							
PCB 79	MG/KG	T						ND (0.00000143)							
PCB 8	MG/KG	T						0.00000719 B							
PCB 80	MG/KG	T						ND (0.00000145)							
PCB 81	MG/KG	T	0.038	MG/KG				ND (0.00000171)							
PCB 82	MG/KG	T						ND (0.00000256)							
PCB 83	MG/KG	T						ND (0.00000253)							
PCB 84	MG/KG	T						ND (0.00000248)							
PCB 88	MG/KG	T						ND (0.00000247)							
PCB 89	MG/KG	T						ND (0.00000232)							

EPA\_SL\_IndSoil\_05/12  
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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB03	S16SB04	S16SB05	S16SB05	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW04
				Date	4/25/08	4/25/08	4/28/08	4/28/08	5/19/10	5/15/08	5/15/08	5/14/08	5/14/08	5/13/08	5/13/08
				Top (ft)	7.5	2	2	5.5	6	3	13	6.5	9	7	7
				Bottom (ft)	9.5	4	4	7.5	8	5	15	7.5	10	9	8
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 9	MG/KG	T						0.00000191 B							
PCB 91	MG/KG	T						ND (0.000000198)							
PCB 92	MG/KG	T						0.000000275 EMPC							
PCB 94	MG/KG	T						ND (0.000000236)							
PCB 95	MG/KG	T						0.00000141 B							
PCB 96	MG/KG	T						ND (0.000000133)							
PCB 98	MG/KG	T						ND (0.000000241)							
PCB 99	MG/KG	T						0.00000059 B							
PCB-100/93	MG/KG	T						ND (0.00000021)							
PCB-107/124	MG/KG	T						ND (0.000000169)							
PCB-108/119/86/97/125/87	MG/KG	T						0.00000121 B							
PCB-113/90/101	MG/KG	T						0.00000157 B							
PCB-116/85	MG/KG	T						ND (0.000000191)							
PCB-128/166	MG/KG	T						ND (0.000000214)							
PCB-13/12	MG/KG	T						0.000000677 J							
PCB-139/140	MG/KG	T						ND (0.000000211)							
PCB-147/149	MG/KG	T						0.00000118 B							
PCB-151/135	MG/KG	T						0.000000577 B							
PCB-153/168	MG/KG	T						0.000000999 B							
PCB-156/157	MG/KG	T						0.000000407 J							
PCB-163/138/129	MG/KG	T						0.00000119 B							
PCB-171/173	MG/KG	T						ND (0.000000371)							
PCB-180/193	MG/KG	T						0.00000107 B							
PCB-198/199	MG/KG	T						0.00000193							
PCB-21/33	MG/KG	T						0.00000362 B							
PCB-26/29	MG/KG	T						0.00000107 B							
PCB-28/20	MG/KG	T						0.00000648 B							
PCB-30/18	MG/KG	T						0.00000506 B							
PCB-44/47/65	MG/KG	T						0.00000299 B							
PCB-50/53	MG/KG	T						0.000000505 B							
PCB-59/62/75	MG/KG	T						ND (0.00000014)							
PCB-61/70/74/76	MG/KG	T						0.00000203 B							
PCB-69/49	MG/KG	T						0.00000139 B							
PCB-71/40	MG/KG	T						0.000000927 B							
TOTAL DICHLOROBIPHENYLS (CONGEN)	MG/KG	T						0.0000334 B							
TOTAL HEPTACHLOROBIPHENYLS (CON)	MG/KG	T						0.00000368 EMPC							
TOTAL HEXACHLOROBIPHENYLS (CON)	MG/KG	T						0.00000526 B							
TOTAL MONOCHLOROBIPHENYLS (CON)	MG/KG	T						0.00000224 B							
TOTAL NONACHLOROBIPHENYLS (CON)	MG/KG	T						0.0000208							
TOTAL OCTACHLOROBIPHENYLS (CON)	MG/KG	T						0.00000701 EMPC							
TOTAL PENTACHLOROBIPHENYLS (CON)	MG/KG	T						0.00000813 B							
TOTAL TETRACHLOROBIPHENYLS (CON)	MG/KG	T						0.0000152 B							
TOTAL TRICHLOROBIPHENYLS (CON)	MG/KG	T						0.0000329 B							
ALUMINUM	MG/KG	T	990000	MG/KG	16700	14100		13700							15100
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.02) UJ	ND (1.1) UJ		ND (0.974) UJ							ND (0.956) UJ
ARSENIC	MG/KG	T	1.6	MG/KG	<sup>^</sup> 3.67 J	<sup>^</sup> 2.97 J		<sup>^</sup> 2.5 J							<sup>^</sup> 3.38 J
BARIIUM	MG/KG	T	190000	MG/KG	32.4	56.6		41.2							84.7
BERYLLIUM	MG/KG	T	2000	MG/KG	0.506 J	0.594 J		0.583							0.578
CADMIUM	MG/KG	T	800	MG/KG	0.518 J	0.468 J		0.288 J							0.745
CALCIUM	MG/KG	T			438	3780		407							245
CHROMIUM	MG/KG	T			25.2 J	30.5 J		14.6 J							17.7 J
COBALT	MG/KG	T	300	MG/KG	11.2	8.35		9.27							44.2
COPPER	MG/KG	T	41000	MG/KG	11.8	29.7		6.34							9.11

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB03	S16SB04	S16SB05	S16SB05	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW04
				Date	4/25/08	4/25/08	4/28/08	4/28/08	5/19/10	5/15/08	5/15/08	5/14/08	5/14/08	5/13/08	5/13/08
				Top (ft)	7.5	2	2	5.5	6	3	13	6.5	9	7	7
				Bottom (ft)	9.5	4	4	7.5	8	5	15	7.5	10	9	8
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
IRON	MG/KG	T	720000	MG/KG	23700	20800	14800	29000							
LEAD	MG/KG	T	800	MG/KG	6.23	29.4	7.6	3.06 J		9.18	3.25				5.49
MAGNESIUM	MG/KG	T			1140	1860	1020	334							
MANGANESE	MG/KG	T	23000	MG/KG	225	228	231	1590							
MERCURY	MG/KG	T	43	MG/KG	ND (0.0114)	0.0298 J	0.0299 J	ND (0.0114)							
NICKEL	MG/KG	T	20000	MG/KG	10.3	12.4	9.25	10.9							
POTASSIUM	MG/KG	T			1070 J	1320 J	718 J	511 J							
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.1) UJ	ND (1.19) UJ	ND (1.06) UJ	ND (1.04) UJ							
SILVER	MG/KG	T	5100	MG/KG	0.353 J	0.256 J	0.27 J	0.527 J							
SODIUM	MG/KG	T			70.3 J	170	329	177							
THALLIUM	MG/KG	T	10	MG/KG	ND (0.169) UJ	ND (0.177) UJ	ND (0.162) UJ	ND (0.159)							
TITANIUM	MG/KG	T			765	800	493	490							
VANADIUM	MG/KG	T			44.4	33.5	24.7	33.5							
ZINC	MG/KG	T	310000	MG/KG	29.6	42.5	23.4	23.7							
C19 to C36 Aliphatics	MG/KG	T										ND (13) UJ	ND (14) UJ	14	
TOTAL ORGANIC CARBON	MG/KG	T			ND (350)	6940	4110	ND (341)		ND (387)	ND (485)	ND (368)	ND (375)	ND (353)	ND (249)
DRO C10-C28	MG/KG	T							6.3 J						
HPCDFS	MG/KG	T					0.0000124								
ORO >C28 - C35	MG/KG	T							ND (4.8)						



**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S17SBTMW04	S17SBTMW05	S18SB01	S20SB01	S20SB02	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11	S20SB12	S20SB13	
					5/13/08	5/15/08	4/25/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10
					11	5	5	8	14	5	7	8	2	4.5	8	4	10	10	9	
					13	7	7	10	16	7	9	10	4	6.5	10	6	12	12	11	
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG			ND (42)													
2-HEXANONE	UG/KG	T	1400000	UG/KG			ND (4)													
ACETONE	UG/KG	T	630000000	UG/KG			30													
BENZENE	UG/KG	T	5400	UG/KG	ND (0.5)	ND (0.4)	ND (0.7)													
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG			ND (1)													
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG			ND (1)													
CHLOROBENZENE	UG/KG	T	1400000	UG/KG			ND (1)													
CHLOROFORM	UG/KG	T	1500	UG/KG			ND (1)													
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG			ND (1)													
CUMENE	UG/KG	T	11000000	UG/KG	ND (1)	ND (0.9)														
ETHYLBENZENE	UG/KG	T	27000	UG/KG	ND (1)	ND (0.9)	ND (1)													
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG			ND (6)													
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG			ND (3)													
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG			ND (1)													
TOLUENE	UG/KG	T	45000000	UG/KG	2 J	ND (0.9)	ND (1)													
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG			ND (1)													
TRICHLOROETHENE	UG/KG	T	6400	UG/KG			ND (1)													
XYLENES	UG/KG	T	2700000	UG/KG	ND (1)	ND (0.9)	ND (1)													
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG			ND (85)													
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG			ND (42)													
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG			ND (85)													
ACENAPHTHENE	UG/KG	T	33000000	UG/KG			ND (42)													
ACENAPHTHYLENE	UG/KG	T					ND (42)													
ANTHRACENE	UG/KG	T	170000000	UG/KG			ND (42)													
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG			ND (42)													
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG			ND (42)													
BENZO(G,H,I)PERYLENE	UG/KG	T					ND (42)													
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG			ND (42)													
BENZO(A)PYRENE	UG/KG	T	210	UG/KG			ND (42)													
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG			ND (85)													
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG			ND (85)													
CARBAZOLE	UG/KG	T					ND (42)													
CHRYSENE	UG/KG	T	210000	UG/KG			ND (42)													
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG			ND (42)													
DIBENZOFURAN	UG/KG	T	1000000	UG/KG			ND (42)													
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG			ND (85)													
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG			ND (85)													
FLUORANTHENE	UG/KG	T	22000000	UG/KG			ND (42)													
FLUORENE	UG/KG	T	22000000	UG/KG			ND (42)													
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG			ND (42)													
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG			ND (42)													
NAPHTHALENE	UG/KG	T	18000	UG/KG	ND (40)	ND (36)	ND (42)													
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG			ND (42)													
PHENANTHRENE	UG/KG	T					ND (42)													
PHENOL	UG/KG	T	180000000	UG/KG			ND (42)													
PYRENE	UG/KG	T	17000000	UG/KG			ND (42)													
1,2,3,4,6,7,8-HPCDD	MG/KG	T																		
1,2,3,4,6,7,8-HPCDF	MG/KG	T																		
1,2,3,4,7,8,9-HPCDF	MG/KG	T																		
1,2,3,4,7,8-HXCDD	MG/KG	T																		
1,2,3,4,7,8-HXCDF	MG/KG	T																		
1,2,3,6,7,8-HXCDD	MG/KG	T																		
1,2,3,6,7,8-HXCDF	MG/KG	T																		

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S17SBTMW04	S17SBTMW05	S18SB01	S20SB01	S20SB02	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11	S20SB12	S20SB13	
					5/13/08	5/15/08	4/25/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10
					11	5	5	8	14	5	7	8	2	4.5	8	4	10	10	9	
					13	7	7	10	16	7	9	10	4	6.5	10	6	12	12	11	
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
1,2,3,7,8,9-HXCDD	MG/KG	T																		
1,2,3,7,8,9-HXCDF	MG/KG	T																		
1,2,3,7,8-PECDD	MG/KG	T																		
1,2,3,7,8-PECDF	MG/KG	T																		
2,3,4,6,7,8-HXCDF	MG/KG	T																		
2,3,4,7,8-PECDF	MG/KG	T																		
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG																
2,3,7,8-TCDF	MG/KG	T																		
HPCDDS	MG/KG	T																		
HXCDDS	MG/KG	T																		
HXCDFS	MG/KG	T																		
OCDD	MG/KG	T																		
OCDF	MG/KG	T																		
TCDDS	MG/KG	T																		
TCDFS	MG/KG	T																		
TOTAL HPCDD	MG/KG	T																		
TOTAL HPCDF	MG/KG	T																		
TOTAL HXCDD	MG/KG	T																		
TOTAL HXCDF	MG/KG	T																		
TOTAL PECDD	MG/KG	T																		
TOTAL PECDDS	MG/KG	T																		
TOTAL PECDF	MG/KG	T																		
TOTAL PECDFS	MG/KG	T																		
PCB 1	MG/KG	T																		
PCB 10	MG/KG	T																		
PCB 102	MG/KG	T																		
PCB 103	MG/KG	T																		
PCB 104	MG/KG	T																		
PCB 105	MG/KG	T	0.38	MG/KG																
PCB 106	MG/KG	T																		
PCB 109	MG/KG	T																		
PCB 11	MG/KG	T																		
PCB 110	MG/KG	T																		
PCB 111	MG/KG	T																		
PCB 112	MG/KG	T																		
PCB 114	MG/KG	T	0.38	MG/KG																
PCB 115	MG/KG	T																		
PCB 117	MG/KG	T																		
PCB 118	MG/KG	T	0.38	MG/KG																
PCB 120	MG/KG	T																		
PCB 121	MG/KG	T																		
PCB 122	MG/KG	T																		
PCB 123	MG/KG	T	0.38	MG/KG																
PCB 126	MG/KG	T	0.00011	MG/KG																
PCB 127	MG/KG	T																		
PCB 130	MG/KG	T																		
PCB 131	MG/KG	T																		
PCB 132	MG/KG	T																		
PCB 133	MG/KG	T																		
PCB 134	MG/KG	T																		
PCB 136	MG/KG	T																		
PCB 137	MG/KG	T																		
PCB 14	MG/KG	T																		

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**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S17SBTMW04	S17SBTMW05	S18SB01	S20SB01	S20SB02	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11	S20SB12	S20SB13	
					5/13/08	5/15/08	4/25/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10
					11	5	5	8	14	5	7	8	2	4.5	8	4	10	10	9	
					13	7	7	10	16	7	9	10	4	6.5	10	6	12	12	11	
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 141	MG/KG	T																		
PCB 142	MG/KG	T																		
PCB 143	MG/KG	T																		
PCB 144	MG/KG	T																		
PCB 145	MG/KG	T																		
PCB 146	MG/KG	T																		
PCB 148	MG/KG	T																		
PCB 15	MG/KG	T																		
PCB 150	MG/KG	T																		
PCB 152	MG/KG	T																		
PCB 154	MG/KG	T																		
PCB 155	MG/KG	T																		
PCB 158	MG/KG	T																		
PCB 159	MG/KG	T																		
PCB 16	MG/KG	T																		
PCB 162	MG/KG	T																		
PCB 164	MG/KG	T																		
PCB 165	MG/KG	T																		
PCB 167	MG/KG	T	0.38	MG/KG																
PCB 169	MG/KG	T	0.00038	MG/KG																
PCB 17	MG/KG	T																		
PCB 170	MG/KG	T																		
PCB 172	MG/KG	T																		
PCB 174	MG/KG	T																		
PCB 175	MG/KG	T																		
PCB 176	MG/KG	T																		
PCB 177	MG/KG	T																		
PCB 178	MG/KG	T																		
PCB 179	MG/KG	T																		
PCB 181	MG/KG	T																		
PCB 182	MG/KG	T																		
PCB 183	MG/KG	T																		
PCB 184	MG/KG	T																		
PCB 185	MG/KG	T																		
PCB 186	MG/KG	T																		
PCB 187	MG/KG	T																		
PCB 188	MG/KG	T																		
PCB 189	MG/KG	T	0.38	MG/KG																
PCB 19	MG/KG	T																		
PCB 190	MG/KG	T																		
PCB 191	MG/KG	T																		
PCB 194	MG/KG	T																		
PCB 195	MG/KG	T																		
PCB 196	MG/KG	T																		
PCB 197	MG/KG	T																		
PCB 2	MG/KG	T																		
PCB 200	MG/KG	T																		
PCB 201	MG/KG	T																		
PCB 202	MG/KG	T																		
PCB 203	MG/KG	T																		
PCB 204	MG/KG	T																		
PCB 205	MG/KG	T																		
PCB 206	MG/KG	T																		

EPA\_SL\_IndSoil\_05/12  
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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S17SBTMW04	S17SBTMW05	S18SB01	S20SB01	S20SB02	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11	S20SB12	S20SB13	
				Date	5/13/08	5/15/08	4/25/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10
				Top (ft)	11	5	5	8	14	5	7	8	2	4.5	8	4	10	10	9	
				Bottom (ft)	13	7	7	10	16	7	9	10	4	6.5	10	6	12	12	11	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS		
PCB 207	MG/KG	T																		
PCB 208	MG/KG	T																		
PCB 209	MG/KG	T																		
PCB 22	MG/KG	T																		
PCB 23	MG/KG	T																		
PCB 24	MG/KG	T																		
PCB 25	MG/KG	T																		
PCB 27	MG/KG	T																		
PCB 3	MG/KG	T																		
PCB 31	MG/KG	T																		
PCB 32	MG/KG	T																		
PCB 34	MG/KG	T																		
PCB 35	MG/KG	T																		
PCB 36	MG/KG	T																		
PCB 37	MG/KG	T																		
PCB 38	MG/KG	T																		
PCB 39	MG/KG	T																		
PCB 4	MG/KG	T																		
PCB 41	MG/KG	T																		
PCB 42	MG/KG	T																		
PCB 43	MG/KG	T																		
PCB 45	MG/KG	T																		
PCB 46	MG/KG	T																		
PCB 48	MG/KG	T																		
PCB 5	MG/KG	T																		
PCB 51	MG/KG	T																		
PCB 52	MG/KG	T																		
PCB 54	MG/KG	T																		
PCB 55	MG/KG	T																		
PCB 56	MG/KG	T																		
PCB 57	MG/KG	T																		
PCB 58	MG/KG	T																		
PCB 6	MG/KG	T																		
PCB 60	MG/KG	T																		
PCB 63	MG/KG	T																		
PCB 64	MG/KG	T																		
PCB 66	MG/KG	T																		
PCB 67	MG/KG	T																		
PCB 68	MG/KG	T																		
PCB 7	MG/KG	T																		
PCB 72	MG/KG	T																		
PCB 73	MG/KG	T																		
PCB 77	MG/KG	T	0.11	MG/KG																
PCB 78	MG/KG	T																		
PCB 79	MG/KG	T																		
PCB 8	MG/KG	T																		
PCB 80	MG/KG	T																		
PCB 81	MG/KG	T	0.038	MG/KG																
PCB 82	MG/KG	T																		
PCB 83	MG/KG	T																		
PCB 84	MG/KG	T																		
PCB 88	MG/KG	T																		
PCB 89	MG/KG	T																		

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S17SBTMW04	S17SBTMW05	S18SB01	S20SB01	S20SB02	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11	S20SB12	S20SB13	
					5/13/08	5/15/08	4/25/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10
					11	5	5	8	14	5	7	8	2	4.5	8	4	10	10	9	
					13	7	7	10	16	7	9	10	4	6.5	10	6	12	12	11	
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 9	MG/KG	T																		
PCB 91	MG/KG	T																		
PCB 92	MG/KG	T																		
PCB 94	MG/KG	T																		
PCB 95	MG/KG	T																		
PCB 96	MG/KG	T																		
PCB 98	MG/KG	T																		
PCB 99	MG/KG	T																		
PCB-100/93	MG/KG	T																		
PCB-107/124	MG/KG	T																		
PCB-108/119/86/97/125/87	MG/KG	T																		
PCB-113/90/101	MG/KG	T																		
PCB-116/85	MG/KG	T																		
PCB-128/166	MG/KG	T																		
PCB-13/12	MG/KG	T																		
PCB-139/140	MG/KG	T																		
PCB-147/149	MG/KG	T																		
PCB-151/135	MG/KG	T																		
PCB-153/168	MG/KG	T																		
PCB-156/157	MG/KG	T																		
PCB-163/138/129	MG/KG	T																		
PCB-171/173	MG/KG	T																		
PCB-180/193	MG/KG	T																		
PCB-198/199	MG/KG	T																		
PCB-21/33	MG/KG	T																		
PCB-26/29	MG/KG	T																		
PCB-28/20	MG/KG	T																		
PCB-30/18	MG/KG	T																		
PCB-44/47/65	MG/KG	T																		
PCB-50/53	MG/KG	T																		
PCB-59/62/75	MG/KG	T																		
PCB-61/70/74/76	MG/KG	T																		
PCB-69/49	MG/KG	T																		
PCB-71/40	MG/KG	T																		
TOTAL DICHLOROBIPHENYLS (CONGEN)	MG/KG	T																		
TOTAL HEPTACHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL HEXACHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL MONOCHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL NONACHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL OCTACHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL PENTACHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL TETRACHLOROBIPHENYLS (CON)	MG/KG	T																		
TOTAL TRICHLOROBIPHENYLS (CONGE)	MG/KG	T																		
ALUMINUM	MG/KG	T	990000	MG/KG				23300												
ANTIMONY	MG/KG	T	410	MG/KG				ND (1.12) UJ												
ARSENIC	MG/KG	T	1.6	MG/KG				^4.54 J												
BARIUM	MG/KG	T	190000	MG/KG				49.2												
BERYLLIUM	MG/KG	T	2000	MG/KG				0.51 J												
CADMIUM	MG/KG	T	800	MG/KG				0.581 J												
CALCIUM	MG/KG	T						979												
CHROMIUM	MG/KG	T						33.2 J												
COBALT	MG/KG	T	300	MG/KG				6.35												
COPPER	MG/KG	T	41000	MG/KG				11.8												

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S17SBTMW04	S17SBTMW05	S18SB01	S20SB01	S20SB02	S20SB04	S20SB05	S20SB06	S20SB07	S20SB08	S20SB09	S20SB10	S20SB11	S20SB12	S20SB13	
					5/13/08	5/15/08	4/25/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10
					11	5	5	8	14	5	7	8	2	4.5	8	4	10	10	9	
					13	7	7	10	16	7	9	10	4	6.5	10	6	12	12	11	
					FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
IRON	MG/KG	T	720000	MG/KG			27200													
LEAD	MG/KG	T	800	MG/KG	7.69	8.03	9.17													
MAGNESIUM	MG/KG	T		MG/KG			2570													
MANGANESE	MG/KG	T	23000	MG/KG			153													
MERCURY	MG/KG	T	43	MG/KG			0.027 J													
NICKEL	MG/KG	T	20000	MG/KG			13.6													
POTASSIUM	MG/KG	T		MG/KG			2110 J													
SELENIUM	MG/KG	T	5100	MG/KG			ND (1.22) UJ													
SILVER	MG/KG	T	5100	MG/KG			0.356 J													
SODIUM	MG/KG	T		MG/KG			385													
THALLIUM	MG/KG	T	10	MG/KG			ND (0.185) UJ													
TITANIUM	MG/KG	T		MG/KG			987													
VANADIUM	MG/KG	T		MG/KG			50.9													
ZINC	MG/KG	T	310000	MG/KG			36.7													
C19 to C36 Aliphatics	MG/KG	T																		
TOTAL ORGANIC CARBON	MG/KG	T					ND (320)	ND (307)	ND (385)	ND (366)	ND (415)									
DRO C10-C28	MG/KG	T																		
HPCDFS	MG/KG	T																		
ORO >C28 - C35	MG/KG	T								ND (4.5)	36	4500	1100	1700	ND (4.3)	ND (4.6)	ND (4.3)	ND (4.2)	ND (4.2)	

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB02	S23SB01	S23SB02	S23SB02	S23SB03	S24SB01	S25SB01
					6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/14/08	5/14/08	5/14/08	5/18/10	5/9/08	5/18/10
					10	8	8	5	10	7	12.5	3	2	5	5	7	6
					12	10	10	7	12	9	14.5	5	4	7	7	9	8
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
2-HEXANONE	UG/KG	T	1400000	UG/KG							ND (3)	ND (3)	ND (3)	ND (3)			
ACETONE	UG/KG	T	630000000	UG/KG							ND (7)	14 J	25	10 J			
BENZENE	UG/KG	T	5400	UG/KG							ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG							ND (1)	5	ND (1)	ND (1)			
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG							ND (1)	ND (1)	ND (1)	ND (1)			
CHLOROBENZENE	UG/KG	T	1400000	UG/KG							4 J	ND (1)	ND (1)	ND (1)			
CHLOROFORM	UG/KG	T	1500	UG/KG							ND (1)	ND (1)	ND (1)	ND (1)			
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG							ND (1)	1 J	ND (1)	ND (1)			
CUMENE	UG/KG	T	11000000	UG/KG													
ETHYLBENZENE	UG/KG	T	27000	UG/KG							ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG							ND (4)	ND (4)	ND (4)	ND (4)			
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG							ND (2)	ND (2)	ND (2)	ND (2)			
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG							ND (1)	6	ND (1)	ND (1)			
TOLUENE	UG/KG	T	45000000	UG/KG							ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG							ND (1)	1 J	ND (1)	ND (1)			
TRICHLOROETHENE	UG/KG	T	6400	UG/KG							ND (1)	7	ND (1)	ND (1)			
XYLENES	UG/KG	T	2700000	UG/KG							ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG							ND (79)	ND (80)	ND (81)	ND (74)			
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG							ND (79)	ND (80)	ND (81)	ND (74)			
ACENAPHTHENE	UG/KG	T	33000000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
ACENAPHTHYLENE	UG/KG	T									ND (39)	ND (40)	ND (41)	ND (37)			
ANTHRACENE	UG/KG	T	170000000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG							ND (39)	49 J	ND (41)	ND (37)			
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG							ND (39)	66 J	ND (41)	ND (37)			
BENZO(G,H,I)PERYLENE	UG/KG	T									ND (39)	ND (40)	ND (41)	ND (37)			
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
BENZO(A)PYRENE	UG/KG	T	210	UG/KG							ND (39)	41 J	ND (41)	ND (37)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG							ND (79)	ND (80)	ND (81)	ND (74)			
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG							ND (79)	ND (80)	ND (81)	ND (74)			
CARBAZOLE	UG/KG	T									ND (39)	ND (40)	ND (41)	ND (37)			
CHRYSENE	UG/KG	T	210000	UG/KG							ND (39)	51 J	ND (41)	ND (37)			
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
DIBENZOFURAN	UG/KG	T	1000000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG							ND (79)	ND (80)	ND (81)	ND (74)			
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG							ND (79)	ND (80)	ND (81)	ND (74)			
FLUORANTHENE	UG/KG	T	22000000	UG/KG							ND (39)	110 J	ND (41)	ND (37)			
FLUORENE	UG/KG	T	22000000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
NAPHTHALENE	UG/KG	T	18000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
PHENANTHRENE	UG/KG	T									ND (39)	46 J	ND (41)	ND (37)			
PHENOL	UG/KG	T	180000000	UG/KG							ND (39)	ND (40)	ND (41)	ND (37)			
PYRENE	UG/KG	T	17000000	UG/KG							ND (39)	130 J	ND (41)	ND (37)			
1,2,3,4,6,7,8-HPCDD	MG/KG	T										0.000148	0.0000198				
1,2,3,4,6,7,8-HPCDF	MG/KG	T										0.000028	0.00000377	EMPC J			
1,2,3,4,7,8,9-HPCDF	MG/KG	T										0.00000446	EMPC	ND (0.000000399)			
1,2,3,4,7,8-HXCDD	MG/KG	T										0.000000485	EMPC J	0.000000317	EMPC J		
1,2,3,4,7,8-HXCDF	MG/KG	T										0.00000237	J	ND (0.000000216)			
1,2,3,6,7,8-HXCDD	MG/KG	T										0.00000257		0.000000644	J		
1,2,3,6,7,8-HXCDF	MG/KG	T										0.000000786	J	ND (0.000000152)			

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB02	S23SB01	S23SB02	S23SB02	S23SB03	S24SB01	S25SB01
					6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/14/08	5/14/08	5/14/08	5/18/10	5/9/08	5/18/10
					10	8	8	5	10	7	12.5	3	2	5	5	7	6
					12	10	10	7	12	9	14.5	5	4	7	7	9	8
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
1,2,3,7,8,9-HXCDD	MG/KG	T										0.00000886 J	0.00000114 J				
1,2,3,7,8,9-HXCDF	MG/KG	T										0.00000487 EMPC J	ND (0.00000327)				
1,2,3,7,8-PECDD	MG/KG	T										ND (0.00000238) UJ	ND (0.00000242) UJ				
1,2,3,7,8-PECDF	MG/KG	T										0.00000766 J	ND (0.00000196)				
2,3,4,6,7,8-HXCDF	MG/KG	T										0.00000106 J	ND (0.00000204)				
2,3,4,7,8-PECDF	MG/KG	T										0.00000821 J	ND (0.00000165)				
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG								ND (0.00000154)	ND (0.00000184)				
2,3,7,8-TCDF	MG/KG	T										0.00000964	ND (0.00000153)				
HPCDD	MG/KG	T										0.000266	0.0000461				
HXCDD	MG/KG	T										0.0000174 EMPC	0.0000537 EMPC				
HXCDFS	MG/KG	T										0.0000239 EMPC	0.00000225 EMPC				
OCDD	MG/KG	T										0.00204	0.00104				
OCDF	MG/KG	T										0.000498	0.00000875				
TCDD	MG/KG	T										0.00000997 EMPC	0.00000184 EMPC				
TCDFS	MG/KG	T										0.0000111 EMPC	0.00000385 EMPC				
TOTAL HPCDD	MG/KG	T															
TOTAL HPCDF	MG/KG	T															
TOTAL HXCDD	MG/KG	T															
TOTAL HXCDF	MG/KG	T															
TOTAL PECDD	MG/KG	T															
TOTAL PECDD	MG/KG	T										0.00000265 EMPC	0.0000159 EMPC				
TOTAL PECDF	MG/KG	T															
TOTAL PECDFS	MG/KG	T										0.00000723 EMPC	ND (0.00000018)				
PCB 1	MG/KG	T										0.000101	ND (0.00000117)				
PCB 10	MG/KG	T										0.0000806 J	ND (0.00000229) UJ				
PCB 102	MG/KG	T										0.000698	ND (0.00000295)				
PCB 103	MG/KG	T										0.0000838	ND (0.00000276)				
PCB 104	MG/KG	T										0.00000439 EMPC	ND (0.00000133)				
PCB 105	MG/KG	T	0.38	MG/KG								0.00642 J	0.00000563 B				
PCB 106	MG/KG	T										0.000042	ND (0.00000241)				
PCB 109	MG/KG	T										0.00088	ND (0.00000225)				
PCB 11	MG/KG	T										0.00012 J	0.00000728 B				
PCB 110	MG/KG	T										0.0133	0.00000173 B				
PCB 111	MG/KG	T										0.0000105	ND (0.00000223)				
PCB 112	MG/KG	T										0.0000712	ND (0.00000237)				
PCB 114	MG/KG	T	0.38	MG/KG								0.000417	ND (0.00000232)				
PCB 115	MG/KG	T										0.000324	ND (0.00000239)				
PCB 117	MG/KG	T										0.000269	ND (0.00000237)				
PCB 118	MG/KG	T	0.38	MG/KG								0.0101 J	0.00000104 B				
PCB 120	MG/KG	T										0.000037	ND (0.00000227)				
PCB 121	MG/KG	T										ND (0.00000441)	ND (0.00000223)				
PCB 122	MG/KG	T										0.00026	ND (0.00000248)				
PCB 123	MG/KG	T	0.38	MG/KG								0.000331	ND (0.00000239)				
PCB 126	MG/KG	T	0.00011	MG/KG								0.0000578	ND (0.00000197)				
PCB 127	MG/KG	T										ND (0.000005)	ND (0.00000241)				
PCB 130	MG/KG	T										0.00061	ND (0.00000234)				
PCB 131	MG/KG	T										0.000107	ND (0.00000232)				
PCB 132	MG/KG	T										0.00299	0.0000061				
PCB 133	MG/KG	T										0.000167	ND (0.00000219)				
PCB 134	MG/KG	T										0.000449	ND (0.00000237)				
PCB 136	MG/KG	T										0.00141	0.00000231 EMPC				
PCB 137	MG/KG	T										0.000191	ND (0.00000201)				
PCB 14	MG/KG	T										0.00000118 J	ND (0.00000294) UJ				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB02	S23SB01	S23SB02	S23SB02	S23SB03	S24SB01	S25SB01
					6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/14/08	5/14/08	5/14/08	5/18/10	5/9/08	5/18/10
					10	8	8	5	10	7	12.5	3	2	5	5	7	6
					12	10	10	7	12	9	14.5	5	4	7	7	9	8
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	MG/KG	T										0.00213	ND (0.00000217)				
PCB 142	MG/KG	T										0.0000268	ND (0.00000236)				
PCB 143	MG/KG	T										0.0000202	ND (0.00000227)				
PCB 144	MG/KG	T										0.000597	ND (0.00000201)				
PCB 145	MG/KG	T										0.00000319	ND (0.00000153)				
PCB 146	MG/KG	T										0.0017	ND (0.0000002)				
PCB 148	MG/KG	T										0.00000259	ND (0.00000021)				
PCB 15	MG/KG	T										0.0173 J	0.00000318 B				
PCB 150	MG/KG	T										0.00000465	ND (0.00000151)				
PCB 152	MG/KG	T										0.00000689	ND (0.00000146)				
PCB 154	MG/KG	T										0.0000266	ND (0.00000179)				
PCB 155	MG/KG	T										ND (0.00000141)	ND (0.00000139)				
PCB 158	MG/KG	T										0.000831	ND (0.00000151)				
PCB 159	MG/KG	T										ND (0.00000747)	ND (0.00000188)				
PCB 16	MG/KG	T										0.00971	0.00000293 B				
PCB 162	MG/KG	T										0.0000202	ND (0.00000182)				
PCB 164	MG/KG	T										0.000677	ND (0.00000166)				
PCB 165	MG/KG	T										ND (0.0000017)	ND (0.00000174)				
PCB 167	MG/KG	T	0.38	MG/KG								0.00029	ND (0.00000192)				
PCB 169	MG/KG	T	0.00038	MG/KG								ND (0.00000818)	0.00000385 J				
PCB 17	MG/KG	T										0.0107	0.00000296 B				
PCB 170	MG/KG	T										0.0033	0.00000456				
PCB 172	MG/KG	T										0.000738	ND (0.00000305)				
PCB 174	MG/KG	T										0.00518	0.00000465				
PCB 175	MG/KG	T										0.000214	ND (0.00000273)				
PCB 176	MG/KG	T										0.000575	ND (0.00000179)				
PCB 177	MG/KG	T										0.00279	ND (0.00000301)				
PCB 178	MG/KG	T										0.000839	ND (0.00000252)				
PCB 179	MG/KG	T										0.00187	0.00000256				
PCB 181	MG/KG	T										0.000022	ND (0.00000273)				
PCB 182	MG/KG	T										0.000009	ND (0.00000261)				
PCB 183	MG/KG	T										0.00285	ND (0.00000252)				
PCB 184	MG/KG	T										0.0000103	ND (0.00000192)				
PCB 185	MG/KG	T										0.000551	ND (0.00000294)				
PCB 186	MG/KG	T										ND (0.00000161)	ND (0.00000185)				
PCB 187	MG/KG	T										0.00575	0.00000641 EMPC				
PCB 188	MG/KG	T										0.00000966	ND (0.0000016)				
PCB 189	MG/KG	T	0.38	MG/KG								0.000109	ND (0.00000178)				
PCB 19	MG/KG	T										0.00222	0.0000062 B				
PCB 190	MG/KG	T										0.000697	ND (0.00000232)				
PCB 191	MG/KG	T										0.000174	ND (0.00000217)				
PCB 194	MG/KG	T										0.00209	0.00000511				
PCB 195	MG/KG	T										0.000888	ND (0.00000027)				
PCB 196	MG/KG	T										0.00115	ND (0.00000265)				
PCB 197	MG/KG	T										0.0000762	ND (0.00000187)				
PCB 2	MG/KG	T										0.0000532	ND (0.00000167)				
PCB 200	MG/KG	T										0.000338	ND (0.00000201)				
PCB 201	MG/KG	T										0.000306	ND (0.0000019)				
PCB 202	MG/KG	T										0.000428	ND (0.0000019)				
PCB 203	MG/KG	T										0.00151	ND (0.00000245)				
PCB 204	MG/KG	T										ND (0.00000266)	ND (0.00000202)				
PCB 205	MG/KG	T										0.000103	ND (0.00000201)				
PCB 206	MG/KG	T										0.00092	0.00000392				

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB02	S23SB01	S23SB02	S23SB02	S23SB03	S24SB01	S25SB01
					6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/14/08	5/14/08	5/14/08	5/18/10	5/9/08	5/18/10
					10	8	8	5	10	7	12.5	3	2	5	5	7	6
					12	10	10	7	12	9	14.5	5	4	7	7	9	8
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 207	MG/KG	T										0.000104	ND (0.00000225)				
PCB 208	MG/KG	T										0.00024	0.00000256				
PCB 209	MG/KG	T										0.00163	0.00000894				
PCB 22	MG/KG	T										0.0274 J	0.0000022 B				
PCB 23	MG/KG	T										0.0000289	ND (0.00000215)				
PCB 24	MG/KG	T										0.000347	ND (0.00000221)				
PCB 25	MG/KG	T										0.00439	0.00000525 B				
PCB 27	MG/KG	T										0.0021	0.00000454 B				
PCB 3	MG/KG	T										0.000438	ND (0.00000168)				
PCB 31	MG/KG	T										0.0553 J	0.00000533 B				
PCB 32	MG/KG	T										0.0138	0.00000193 B				
PCB 34	MG/KG	T										0.000315	ND (0.0000021)				
PCB 35	MG/KG	T										0.00128	ND (0.00000228)				
PCB 36	MG/KG	T										ND (0.00000368)	ND (0.00000208)				
PCB 37	MG/KG	T										0.0346 J	0.0000011 B				
PCB 38	MG/KG	T										0.0000622	ND (0.00000224)				
PCB 39	MG/KG	T										ND (0.00000359)	ND (0.00000205)				
PCB 4	MG/KG	T										0.000776 J	0.00000289 B				
PCB 41	MG/KG	T										0.00706	0.00000381 B				
PCB 42	MG/KG	T										0.0178	0.00000611 B				
PCB 43	MG/KG	T										0.00228	ND (0.00000296)				
PCB 45	MG/KG	T										0.01	0.00000428 B				
PCB 46	MG/KG	T										0.00391	ND (0.00000272)				
PCB 48	MG/KG	T										0.0111	0.00000551 B				
PCB 5	MG/KG	T										0.0000659 J	0.00000674 B				
PCB 51	MG/KG	T										0.00221	ND (0.0000022)				
PCB 52	MG/KG	T										0.0465	0.00000257 B				
PCB 54	MG/KG	T										0.0000999	ND (0.0000014)				
PCB 55	MG/KG	T										0.00133	ND (0.00000209)				
PCB 56	MG/KG	T										0.031	0.00000613 B				
PCB 57	MG/KG	T										0.00034	ND (0.00000199)				
PCB 58	MG/KG	T										0.000161	ND (0.000002)				
PCB 6	MG/KG	T										0.000859 J	0.00000157 B				
PCB 60	MG/KG	T										0.0163	0.00000439				
PCB 63	MG/KG	T										0.00193	ND (0.00000188)				
PCB 64	MG/KG	T										0.0241	0.00000986 B				
PCB 66	MG/KG	T										0.0521 J	0.00000111 B				
PCB 67	MG/KG	T										0.00244	ND (0.00000189)				
PCB 68	MG/KG	T										0.000169	ND (0.00000185)				
PCB 7	MG/KG	T										0.00016 J	0.00000373 J				
PCB 72	MG/KG	T										0.000293	ND (0.00000189)				
PCB 73	MG/KG	T										0.0000795	ND (0.0000017)				
PCB 77	MG/KG	T	0.11	MG/KG								0.00717 J	0.00000368 J				
PCB 78	MG/KG	T										0.0000159	ND (0.00000217)				
PCB 79	MG/KG	T										0.000195	ND (0.00000182)				
PCB 8	MG/KG	T										0.00602 J	0.00000823 B				
PCB 80	MG/KG	T										ND (0.00000135)	ND (0.00000185)				
PCB 81	MG/KG	T	0.038	MG/KG								0.000361	ND (0.00000215)				
PCB 82	MG/KG	T										0.00331	ND (0.00000362)				
PCB 83	MG/KG	T										0.000951	ND (0.0000036)				
PCB 84	MG/KG	T										0.0045	0.00000572 B				
PCB 88	MG/KG	T										0.000136	ND (0.00000328)				
PCB 89	MG/KG	T										0.000515	ND (0.0000032)				

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB02	S23SB01	S23SB02	S23SB02	S23SB03	S24SB01	S25SB01
					6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/14/08	5/14/08	5/14/08	5/18/10	5/9/08	5/18/10
					10	8	8	5	10	7	12.5	3	2	5	5	7	6
					12	10	10	7	12	9	14.5	5	4	7	7	9	8
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 9	MG/KG	T										0.000183 J	0.0000205 B				
PCB 91	MG/KG	T										0.00234	ND (0.00000274)				
PCB 92	MG/KG	T										0.00221	ND (0.00000308)				
PCB 94	MG/KG	T										0.000141	ND (0.00000322)				
PCB 95	MG/KG	T										0.00914	0.00000155 B				
PCB 96	MG/KG	T										0.000251	ND (0.00000154)				
PCB 98	MG/KG	T										0.0000484	ND (0.00000292)				
PCB 99	MG/KG	T										0.00582	0.0000008 B				
PCB-100/93	MG/KG	T										0.000213	ND (0.0000029)				
PCB-107/124	MG/KG	T										0.000401	ND (0.00000239)				
PCB-108/119/86/97/125/87	MG/KG	T										0.0108	0.00000128 B				
PCB-113/90/101	MG/KG	T										0.0118	0.00000149 B				
PCB-116/85	MG/KG	T										0.00346	ND (0.00000265)				
PCB-128/166	MG/KG	T										0.00105	ND (0.00000212)				
PCB-13/12	MG/KG	T										0.00121 J	ND (0.0000036) UJ				
PCB-139/140	MG/KG	T										0.0000837	ND (0.00000205)				
PCB-147/149	MG/KG	T										0.00825	0.00000123 B				
PCB-151/135	MG/KG	T										0.00383	0.000000567 B				
PCB-153/168	MG/KG	T										0.00857	0.000000838 B				
PCB-156/157	MG/KG	T										0.000776	0.000000384 J				
PCB-163/138/129	MG/KG	T										0.00966	0.0000011 B				
PCB-171/173	MG/KG	T										0.00141	ND (0.00000309)				
PCB-180/193	MG/KG	T										0.00773	0.000000915 B				
PCB-198/199	MG/KG	T										0.0026	0.000000342				
PCB-21/33	MG/KG	T										0.0351 J	0.00000392 B				
PCB-26/29	MG/KG	T										0.00823	0.00000115 B				
PCB-28/20	MG/KG	T										0.08 J	0.00000654 B				
PCB-30/18	MG/KG	T										0.0175	0.00000576 B				
PCB-44/47/65	MG/KG	T										0.0548	0.00000282 B				
PCB-50/53	MG/KG	T										0.00766	0.000000612 B				
PCB-59/62/75	MG/KG	T										0.00623	ND (0.00000172)				
PCB-61/70/74/76	MG/KG	T										0.0757 J	0.00000244 B				
PCB-69/49	MG/KG	T										0.0276	0.00000132 B				
PCB-71/40	MG/KG	T										0.03	0.00000104 B				
TOTAL DICHLOROBIPHENYLS (CONGEN)	MG/KG	T										0.0267	0.0000263 B				
TOTAL HEPTACHLOROBIPHENYLS (CON)	MG/KG	T										0.0348	0.00000273 EMPC				
TOTAL HEXACHLOROBIPHENYLS (CON)	MG/KG	T										0.0444	0.00000534 B				
TOTAL MONOCHLOROBIPHENYLS (CON)	MG/KG	T										0.000592	ND (0.000000668)				
TOTAL NONACHLOROBIPHENYLS (CON)	MG/KG	T										0.00126	0.000000647				
TOTAL OCTACHLOROBIPHENYLS (CON)	MG/KG	T										0.00948	0.000000853				
TOTAL PENTACHLOROBIPHENYLS (CON)	MG/KG	T										0.0894 EMPC	0.00000903 B				
TOTAL TETRACHLOROBIPHENYLS (CON)	MG/KG	T										0.441 J	0.0000163 B				
TOTAL TRICHLOROBIPHENYLS (CONGE)	MG/KG	T										0.303 J	0.0000354 B				
ALUMINUM	MG/KG	T	990000	MG/KG							13900	6740	18400	14600	12400		12000
ANTIMONY	MG/KG	T	410	MG/KG							ND (1.06) UJ	ND (1.06) UJ	ND (1.06) UJ	ND (0.989) UJ	ND (1.2)		ND (1.08)
ARSENIC	MG/KG	T	1.6	MG/KG							<sup>^</sup> 3.63 J	<sup>^</sup> 6.39 J	<sup>^</sup> 4.36 J	<sup>^</sup> 13.4 J	ND (1.14)		<sup>^</sup> 2.04 J
BARIIUM	MG/KG	T	190000	MG/KG							40.8	65.1	42	49	6.99		7.26
BERYLLIUM	MG/KG	T	2000	MG/KG							0.594	0.428 J	0.721	0.797	0.707		0.266 J
CADMIUM	MG/KG	T	800	MG/KG							ND (0.0763)	1.04	1.42	3.62	0.479 J		0.563
CALCIUM	MG/KG	T									476	26400 J	805 J	435 J	895		81.2
CHROMIUM	MG/KG	T									21.2	32.9	28.8	30.9	72.6		10.5
COBALT	MG/KG	T	300	MG/KG							5.16	ND (0.76)	5.62	33	1.83		13
COPPER	MG/KG	T	41000	MG/KG							10.4	21.6	12	22.5	37.6		3.39

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S20SB14	S20SB15	S20SB15	S20SB16	S20SB17	S20SB18	S21SB02	S23SB01	S23SB02	S23SB02	S23SB03	S24SB01	S25SB01
					6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	5/21/08	5/14/08	5/14/08	5/14/08	5/18/10	5/9/08	5/18/10
					10	8	8	5	10	7	12.5	3	2	5	5	7	6
					12	10	10	7	12	9	14.5	5	4	7	7	9	8
					FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
IRON	MG/KG	T	720000	MG/KG							19300	15600	29300	94500	60100		28500
LEAD	MG/KG	T	800	MG/KG							5.51	42.5	8.79	7.53	8.79		2.17
MAGNESIUM	MG/KG	T									1660	3060	3160	704	311		121
MANGANESE	MG/KG	T	23000	MG/KG							96.7 J	236 J	417 J	279 J	26.1		60.6
MERCURY	MG/KG	T	43	MG/KG							ND (0.0121)	0.147	0.0166 J	0.0168 J	ND (0.0133)		ND (0.012)
NICKEL	MG/KG	T	20000	MG/KG							12.1	13.9	15.7	22.5	5.52		7.99
POTASSIUM	MG/KG	T									1130 J	1650 J	1990 J	707 J	214		158
SELENIUM	MG/KG	T	5100	MG/KG							ND (1.15)	ND (1.15)	ND (1.14)	1.63 J	ND (1.18)		ND (1.06)
SILVER	MG/KG	T	5100	MG/KG							ND (0.199)	0.468 J	ND (0.199)	0.317 J	4.23		1.5
SODIUM	MG/KG	T									80 J	283	132 B	193 B	66.9 J		438
THALLIUM	MG/KG	T	10	MG/KG							ND (0.171)	0.346 J	ND (0.182)	ND (0.166)	3.97		1.59 J
TITANIUM	MG/KG	T									712	1110	1230	383	783 J		91.7 J
VANADIUM	MG/KG	T									36.3	22.8	45.7	44.9	153		15.8
ZINC	MG/KG	T	310000	MG/KG							31.9	64.8	35.9	47.3	5.8		18.9
C19 to C36 Aliphatics	MG/KG	T															
TOTAL ORGANIC CARBON	MG/KG	T									ND (305)	ND (248)	ND (394)	ND (377)		ND (436)	
DRO C10-C28	MG/KG	T															
HPCDFS	MG/KG	T										0.000127 EMPC	0.000000377 EMPC				
ORO >C28 - C35	MG/KG	T									ND (4.2)	ND (4.2)	ND (4.2)	ND (4.6)	ND (4.4)	ND (4.4)	

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Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Date	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/28/08	5/28/08	5/28/08	5/5/08	5/5/08	5/6/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/6/08
				Top (ft)	7	2	3	3	2.5	3.5	3	3	9	11	13.5	2	10	8	8	8	12.5	
				Bottom (ft)	8	4	5	5	4.5	5	5	5	5	11	13	15.5	4	12	10	10	10	14.5
Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG																		
2-HEXANONE	UG/KG	T	1400000	UG/KG																		
ACETONE	UG/KG	T	630000000	UG/KG																		
BENZENE	UG/KG	T	5400	UG/KG																		
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG																		
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG																		
CHLOROBENZENE	UG/KG	T	1400000	UG/KG																		
CHLOROFORM	UG/KG	T	1500	UG/KG																		
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG																		
CUMENE	UG/KG	T	11000000	UG/KG																		
ETHYLBENZENE	UG/KG	T	27000	UG/KG																		
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG																		
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG																		
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG																		
TOLUENE	UG/KG	T	45000000	UG/KG																		
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG																		
TRICHLOROETHENE	UG/KG	T	6400	UG/KG																		
XYLENES	UG/KG	T	2700000	UG/KG																		
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG																		
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG																		
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG																		
ACENAPHTHENE	UG/KG	T	33000000	UG/KG		ND (39)	ND (38)	ND (37)	ND (40)	ND (38)	ND (41)	ND (38)										
ACENAPHTHYLENE	UG/KG	T				ND (39)	ND (38)	ND (37)	ND (40)	ND (38)	ND (41)	ND (38)										
ANTHRACENE	UG/KG	T	170000000	UG/KG		ND (39)	ND (38)	ND (37)	ND (40)	ND (38)	ND (41)	ND (38)										
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG		ND (39)	78 J	61 J	ND (40)	ND (38)	ND (41)	ND (38)										
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG		ND (39)	120 J	80 J	ND (40)	ND (38)	ND (41)	ND (38)										
BENZO(G,H,I)PERYLENE	UG/KG	T				40 J	70 J	50 J	ND (38)													
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG		ND (39)	41 J	ND (37)	ND (40)	ND (38)	ND (41)	ND (38)										
BENZO(A)PYRENE	UG/KG	T	210	UG/KG		ND (39)	81 J	57 J	ND (40)	ND (38)	ND (41)	ND (38)										
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG																		
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG																		
CARBAZOLE	UG/KG	T																				
CHRYSENE	UG/KG	T	210000	UG/KG		ND (39)	70 J	51 J	ND (40)	ND (38)	ND (41)	ND (38)										
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG		ND (39)	ND (38)	ND (37)	ND (40)	ND (38)												
DIBENZOFURAN	UG/KG	T	1000000	UG/KG																		
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG																		
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG																		
FLUORANTHENE	UG/KG	T	22000000	UG/KG		42 J	120 J	90 J	ND (40)	ND (38)	88 J	65 J										
FLUORENE	UG/KG	T	22000000	UG/KG		ND (39)	ND (38)	ND (37)	ND (40)	ND (38)	ND (41)	ND (38)										
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG																		
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG		ND (39)	58 J	47 J	ND (40)	ND (38)	ND (41)	ND (38)										
NAPHTHALENE	UG/KG	T	18000	UG/KG		ND (39)	ND (38)	ND (37)	ND (40)	ND (38)	ND (41)	ND (38)										
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG																		
PHENANTHRENE	UG/KG	T				ND (39)	76 J	46 J	ND (40)	ND (38)	85 J	40 J										
PHENOL	UG/KG	T	180000000	UG/KG																		
PYRENE	UG/KG	T	17000000	UG/KG		42 J	110 J	80 J	ND (40)	ND (38)	83 J	57 J										
1,2,3,4,6,7,8-HPCDD	MG/KG	T																				
1,2,3,4,6,7,8-HPCDF	MG/KG	T																				
1,2,3,4,7,8,9-HPCDF	MG/KG	T																				
1,2,3,4,7,8-HXCDD	MG/KG	T																				
1,2,3,4,7,8-HXCDF	MG/KG	T																				
1,2,3,6,7,8-HXCDD	MG/KG	T																				
1,2,3,6,7,8-HXCDF	MG/KG	T																				

EPA\_SL\_IndSoil\_05/12  
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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Date	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/28/08	5/28/08	5/28/08	5/5/08	5/5/08	5/6/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/6/08
				Top (ft)	7	2	3	3	2.5	3.5	3	3	9	11	13.5	2	10	8	8	8	12.5	
				Bottom (ft)	8	4	5	5	4.5	5	5	5	11	13	15.5	4	12	10	10	10	14.5	
Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
1,2,3,7,8,9-HXCDD	MG/KG	T																				
1,2,3,7,8,9-HXCDF	MG/KG	T																				
1,2,3,7,8-PECDD	MG/KG	T																				
1,2,3,7,8-PECDF	MG/KG	T																				
2,3,4,6,7,8-HXCDF	MG/KG	T																				
2,3,4,7,8-PECDF	MG/KG	T																				
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG																		
2,3,7,8-TCDF	MG/KG	T																				
HPCDDS	MG/KG	T																				
HXCDDS	MG/KG	T																				
HXCDFS	MG/KG	T																				
OCDD	MG/KG	T																				
OCDF	MG/KG	T																				
TCDDS	MG/KG	T																				
TCDFS	MG/KG	T																				
TOTAL HPCDD	MG/KG	T																				
TOTAL HPCDF	MG/KG	T																				
TOTAL HXCDD	MG/KG	T																				
TOTAL HXCDF	MG/KG	T																				
TOTAL PECDD	MG/KG	T																				
TOTAL PECDDS	MG/KG	T																				
TOTAL PECDF	MG/KG	T																				
TOTAL PECDFS	MG/KG	T																				
PCB 1	MG/KG	T																				
PCB 10	MG/KG	T																				
PCB 102	MG/KG	T																				
PCB 103	MG/KG	T																				
PCB 104	MG/KG	T																				
PCB 105	MG/KG	T	0.38	MG/KG																		
PCB 106	MG/KG	T																				
PCB 109	MG/KG	T																				
PCB 11	MG/KG	T																				
PCB 110	MG/KG	T																				
PCB 111	MG/KG	T																				
PCB 112	MG/KG	T																				
PCB 114	MG/KG	T	0.38	MG/KG																		
PCB 115	MG/KG	T																				
PCB 117	MG/KG	T																				
PCB 118	MG/KG	T	0.38	MG/KG																		
PCB 120	MG/KG	T																				
PCB 121	MG/KG	T																				
PCB 122	MG/KG	T																				
PCB 123	MG/KG	T	0.38	MG/KG																		
PCB 126	MG/KG	T	0.00011	MG/KG																		
PCB 127	MG/KG	T																				
PCB 130	MG/KG	T																				
PCB 131	MG/KG	T																				
PCB 132	MG/KG	T																				
PCB 133	MG/KG	T																				
PCB 134	MG/KG	T																				
PCB 136	MG/KG	T																				
PCB 137	MG/KG	T																				
PCB 14	MG/KG	T																				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Date	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Top (ft)	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/28/08	5/28/08	5/28/08	5/5/08	5/5/08	5/6/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/6/08
				Bottom (ft)	7	2	3	3	2.5	3.5	3	3	9	11	13.5	2	10	8	8	8	12.5	
Duplicate	8	4	5	5	4.5	5	5	5	11	13	15.5	4	12	10	10	14.5						
Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 141	MG/KG	T																				
PCB 142	MG/KG	T																				
PCB 143	MG/KG	T																				
PCB 144	MG/KG	T																				
PCB 145	MG/KG	T																				
PCB 146	MG/KG	T																				
PCB 148	MG/KG	T																				
PCB 15	MG/KG	T																				
PCB 150	MG/KG	T																				
PCB 152	MG/KG	T																				
PCB 154	MG/KG	T																				
PCB 155	MG/KG	T																				
PCB 158	MG/KG	T																				
PCB 159	MG/KG	T																				
PCB 16	MG/KG	T																				
PCB 162	MG/KG	T																				
PCB 164	MG/KG	T																				
PCB 165	MG/KG	T																				
PCB 167	MG/KG	T	0.38	MG/KG																		
PCB 169	MG/KG	T	0.00038	MG/KG																		
PCB 17	MG/KG	T																				
PCB 170	MG/KG	T																				
PCB 172	MG/KG	T																				
PCB 174	MG/KG	T																				
PCB 175	MG/KG	T																				
PCB 176	MG/KG	T																				
PCB 177	MG/KG	T																				
PCB 178	MG/KG	T																				
PCB 179	MG/KG	T																				
PCB 181	MG/KG	T																				
PCB 182	MG/KG	T																				
PCB 183	MG/KG	T																				
PCB 184	MG/KG	T																				
PCB 185	MG/KG	T																				
PCB 186	MG/KG	T																				
PCB 187	MG/KG	T																				
PCB 188	MG/KG	T																				
PCB 189	MG/KG	T	0.38	MG/KG																		
PCB 19	MG/KG	T																				
PCB 190	MG/KG	T																				
PCB 191	MG/KG	T																				
PCB 194	MG/KG	T																				
PCB 195	MG/KG	T																				
PCB 196	MG/KG	T																				
PCB 197	MG/KG	T																				
PCB 2	MG/KG	T																				
PCB 200	MG/KG	T																				
PCB 201	MG/KG	T																				
PCB 202	MG/KG	T																				
PCB 203	MG/KG	T																				
PCB 204	MG/KG	T																				
PCB 205	MG/KG	T																				
PCB 206	MG/KG	T																				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Date	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Top (ft)	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/28/08	5/28/08	5/28/08	5/5/08	5/5/08	5/6/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/6/08
				Bottom (ft)	7	2	3	3	2.5	3.5	3	3	9	11	13.5	2	10	8	8	8	12.5	
				Duplicate	8	4	5	5	4.5	5	5	5	11	13	15.5	4	12	10	10	14.5		
PCB 207	MG/KG	T																				
PCB 208	MG/KG	T																				
PCB 209	MG/KG	T																				
PCB 22	MG/KG	T																				
PCB 23	MG/KG	T																				
PCB 24	MG/KG	T																				
PCB 25	MG/KG	T																				
PCB 27	MG/KG	T																				
PCB 3	MG/KG	T																				
PCB 31	MG/KG	T																				
PCB 32	MG/KG	T																				
PCB 34	MG/KG	T																				
PCB 35	MG/KG	T																				
PCB 36	MG/KG	T																				
PCB 37	MG/KG	T																				
PCB 38	MG/KG	T																				
PCB 39	MG/KG	T																				
PCB 4	MG/KG	T																				
PCB 41	MG/KG	T																				
PCB 42	MG/KG	T																				
PCB 43	MG/KG	T																				
PCB 45	MG/KG	T																				
PCB 46	MG/KG	T																				
PCB 48	MG/KG	T																				
PCB 5	MG/KG	T																				
PCB 51	MG/KG	T																				
PCB 52	MG/KG	T																				
PCB 54	MG/KG	T																				
PCB 55	MG/KG	T																				
PCB 56	MG/KG	T																				
PCB 57	MG/KG	T																				
PCB 58	MG/KG	T																				
PCB 6	MG/KG	T																				
PCB 60	MG/KG	T																				
PCB 63	MG/KG	T																				
PCB 64	MG/KG	T																				
PCB 66	MG/KG	T																				
PCB 67	MG/KG	T																				
PCB 68	MG/KG	T																				
PCB 7	MG/KG	T																				
PCB 72	MG/KG	T																				
PCB 73	MG/KG	T																				
PCB 77	MG/KG	T	0.11	MG/KG																		
PCB 78	MG/KG	T																				
PCB 79	MG/KG	T																				
PCB 8	MG/KG	T																				
PCB 80	MG/KG	T																				
PCB 81	MG/KG	T	0.038	MG/KG																		
PCB 82	MG/KG	T																				
PCB 83	MG/KG	T																				
PCB 84	MG/KG	T																				
PCB 88	MG/KG	T																				
PCB 89	MG/KG	T																				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Date	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/28/08	5/28/08	5/5/08	5/5/08	5/6/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/6/08
				Top (ft)	7	2	3	3	2.5	3.5	3	3	9	11	13.5	2	10	8	8	8	12.5	
				Bottom (ft)	8	4	5	5	4.5	5	5	5	11	13	15.5	4	12	10	10	10	14.5	
Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS				
PCB 9	MG/KG	T																				
PCB 91	MG/KG	T																				
PCB 92	MG/KG	T																				
PCB 94	MG/KG	T																				
PCB 95	MG/KG	T																				
PCB 96	MG/KG	T																				
PCB 98	MG/KG	T																				
PCB 99	MG/KG	T																				
PCB-100/93	MG/KG	T																				
PCB-107/124	MG/KG	T																				
PCB-108/119/86/97/125/87	MG/KG	T																				
PCB-113/90/101	MG/KG	T																				
PCB-116/85	MG/KG	T																				
PCB-128/166	MG/KG	T																				
PCB-13/12	MG/KG	T																				
PCB-139/140	MG/KG	T																				
PCB-147/149	MG/KG	T																				
PCB-151/135	MG/KG	T																				
PCB-153/168	MG/KG	T																				
PCB-156/157	MG/KG	T																				
PCB-163/138/129	MG/KG	T																				
PCB-171/173	MG/KG	T																				
PCB-180/193	MG/KG	T																				
PCB-198/199	MG/KG	T																				
PCB-21/33	MG/KG	T																				
PCB-26/29	MG/KG	T																				
PCB-28/20	MG/KG	T																				
PCB-30/18	MG/KG	T																				
PCB-44/47/65	MG/KG	T																				
PCB-50/53	MG/KG	T																				
PCB-59/62/75	MG/KG	T																				
PCB-61/70/74/76	MG/KG	T																				
PCB-69/49	MG/KG	T																				
PCB-71/40	MG/KG	T																				
TOTAL DICHLOOROBIPHENYLS (CONGEN)	MG/KG	T																				
TOTAL HEPTACHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL HEXACHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL MONOCHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL NONACHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL OCTACHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL PENTACHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL TETRACHLOOROBIPHENYLS (CON)	MG/KG	T																				
TOTAL TRICHLOROBIPHENYLS (CONGE)	MG/KG	T																				
ALUMINUM	MG/KG	T	990000	MG/KG	34900																	
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.17)																	
ARSENIC	MG/KG	T	1.6	MG/KG	^5.33																	
BARIUM	MG/KG	T	190000	MG/KG	65.1																	
BERYLLIUM	MG/KG	T	2000	MG/KG	0.853																	
CADMIUM	MG/KG	T	800	MG/KG	0.703																	
CALCIUM	MG/KG	T			997																	
CHROMIUM	MG/KG	T			25.8																	
COBALT	MG/KG	T	300	MG/KG	6.53																	
COPPER	MG/KG	T	41000	MG/KG	18.1																	

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB02	S27SB01	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04VD	S27SB06	S28SB01	S28SB02	S28SB03	S28SB04	S28SB04	S28SB05	S28SB06	S28SB07		
				Date	5/18/10	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/28/08	5/28/08	5/5/08	5/5/08	5/6/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/7/08	5/6/08
				Top (ft)	7	2	3	3	2.5	3.5	3	3	9	11	13.5	2	10	8	8	12.5		
				Bottom (ft)	8	4	5	5	4.5	5	5	5	5	11	13	15.5	4	12	10	10	14.5	
				Duplicate	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
IRON	MG/KG	T	720000	MG/KG	34600																	
LEAD	MG/KG	T	800	MG/KG	4.49																	
MAGNESIUM	MG/KG	T			938																	
MANGANESE	MG/KG	T	23000	MG/KG	87.3																	
MERCURY	MG/KG	T	43	MG/KG	ND (0.0135)																	
NICKEL	MG/KG	T	20000	MG/KG	15.6																	
POTASSIUM	MG/KG	T			748																	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.14)																	
SILVER	MG/KG	T	5100	MG/KG	2.01																	
SODIUM	MG/KG	T			431																	
THALLIUM	MG/KG	T	10	MG/KG	2.38 J																	
TITANIUM	MG/KG	T			437 J																	
VANADIUM	MG/KG	T			70.8																	
ZINC	MG/KG	T	310000	MG/KG	24.2																	
C19 to C36 Aliphatics	MG/KG	T																				
TOTAL ORGANIC CARBON	MG/KG	T				ND (202)	ND (194)	ND (279)	ND (294)	ND (162)	2760 J	4120 J	ND (274)	ND (395)	ND (374)	2470	ND (525)	ND (508)	ND (597)	ND (499)		
DRO C10-C28	MG/KG	T																				
HPCDFS	MG/KG	T																				
ORO >C28 - C35	MG/KG	T																				

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S28SB08	S28SB09
					5/6/08	5/6/08
1,4-DICHLOROBENZENE	UG/KG	T	12000	UG/KG		
2-HEXANONE	UG/KG	T	1400000	UG/KG		
ACETONE	UG/KG	T	630000000	UG/KG		
BENZENE	UG/KG	T	5400	UG/KG		
CARBON DISULFIDE	UG/KG	T	3700000	UG/KG		
CARBON TETRACHLORIDE	UG/KG	T	3000	UG/KG		
CHLOROBENZENE	UG/KG	T	1400000	UG/KG		
CHLOROFORM	UG/KG	T	1500	UG/KG		
CIS-1,2 DICHLOROETHENE	UG/KG	T	2000000	UG/KG		
CUMENE	UG/KG	T	11000000	UG/KG		
ETHYLBENZENE	UG/KG	T	27000	UG/KG		
METHYL ETHYL KETONE	UG/KG	T	200000000	UG/KG		
METHYLENE CHLORIDE	UG/KG	T	960000	UG/KG		
TETRACHLOROETHYLENE	UG/KG	T	110000	UG/KG		
TOLUENE	UG/KG	T	45000000	UG/KG		
TRANS-1,2-DICHLOROETHENE	UG/KG	T	690000	UG/KG		
TRICHLOROETHENE	UG/KG	T	6400	UG/KG		
XYLENES	UG/KG	T	2700000	UG/KG		
2,4-DIMETHYLPHENOL	UG/KG	T	12000000	UG/KG		
2-METHYLNAPHTHALENE	UG/KG	T	2200000	UG/KG		
4-METHYLPHENOL (P-CRESOL)	UG/KG	T	62000000	UG/KG		
ACENAPHTHENE	UG/KG	T	33000000	UG/KG		
ACENAPHTHYLENE	UG/KG	T				
ANTHRACENE	UG/KG	T	170000000	UG/KG		
BENZO(A)ANTHRACENE	UG/KG	T	2100	UG/KG		
BENZO(B)FLUORANTHENE	UG/KG	T	2100	UG/KG		
BENZO(G,H,I)PERYLENE	UG/KG	T				
BENZO(K)FLUORANTHENE	UG/KG	T	21000	UG/KG		
BENZO(A)PYRENE	UG/KG	T	210	UG/KG		
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	T	120000	UG/KG		
BUTYL BENZYL PHTHALATE	UG/KG	T	910000	UG/KG		
CARBAZOLE	UG/KG	T				
CHRYSENE	UG/KG	T	210000	UG/KG		
DIBENZ(A,H)ANTHRACENE	UG/KG	T	210	UG/KG		
DIBENZOFURAN	UG/KG	T	1000000	UG/KG		
DIETHYL PHTHALATE	UG/KG	T	490000000	UG/KG		
DI-N-BUTYL PHTHALATE	UG/KG	T	62000000	UG/KG		
FLUORANTHENE	UG/KG	T	22000000	UG/KG		
FLUORENE	UG/KG	T	22000000	UG/KG		
HEXACHLOROBENZENE	UG/KG	T	1100	UG/KG		
INDENO (1,2,3-CD) PYRENE	UG/KG	T	2100	UG/KG		
NAPHTHALENE	UG/KG	T	18000	UG/KG		
N-NITROSODIPHENYLAMINE	UG/KG	T	350000	UG/KG		
PHENANTHRENE	UG/KG	T				
PHENOL	UG/KG	T	180000000	UG/KG		
PYRENE	UG/KG	T	17000000	UG/KG		
1,2,3,4,6,7,8-HPCDD	MG/KG	T				
1,2,3,4,6,7,8-HPCDF	MG/KG	T				
1,2,3,4,7,8,9-HPCDF	MG/KG	T				
1,2,3,4,7,8-HXCDD	MG/KG	T				
1,2,3,4,7,8-HXCDF	MG/KG	T				
1,2,3,6,7,8-HXCDD	MG/KG	T				
1,2,3,6,7,8-HXCDF	MG/KG	T				

EPA\_SL\_IndSoil\_05/12

< and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S28SB08	S28SB09
					5/6/08	5/6/08
1,2,3,7,8,9-HXCDD	MG/KG	T				
1,2,3,7,8,9-HXCDF	MG/KG	T				
1,2,3,7,8-PECDD	MG/KG	T				
1,2,3,7,8-PECDF	MG/KG	T				
2,3,4,6,7,8-HXCDF	MG/KG	T				
2,3,4,7,8-PECDF	MG/KG	T				
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		
2,3,7,8-TCDF	MG/KG	T				
HPCDD	MG/KG	T				
HXCDD	MG/KG	T				
HXCDF	MG/KG	T				
OCDD	MG/KG	T				
OCDF	MG/KG	T				
TCDD	MG/KG	T				
TCDF	MG/KG	T				
TOTAL HPCDD	MG/KG	T				
TOTAL HPCDF	MG/KG	T				
TOTAL HXCDD	MG/KG	T				
TOTAL HXCDF	MG/KG	T				
TOTAL PECDD	MG/KG	T				
TOTAL PECDD	MG/KG	T				
TOTAL PECDF	MG/KG	T				
TOTAL PECDF	MG/KG	T				
PCB 1	MG/KG	T				
PCB 10	MG/KG	T				
PCB 102	MG/KG	T				
PCB 103	MG/KG	T				
PCB 104	MG/KG	T				
PCB 105	MG/KG	T	0.38	MG/KG		
PCB 106	MG/KG	T				
PCB 109	MG/KG	T				
PCB 11	MG/KG	T				
PCB 110	MG/KG	T				
PCB 111	MG/KG	T				
PCB 112	MG/KG	T				
PCB 114	MG/KG	T	0.38	MG/KG		
PCB 115	MG/KG	T				
PCB 117	MG/KG	T				
PCB 118	MG/KG	T	0.38	MG/KG		
PCB 120	MG/KG	T				
PCB 121	MG/KG	T				
PCB 122	MG/KG	T				
PCB 123	MG/KG	T	0.38	MG/KG		
PCB 126	MG/KG	T	0.00011	MG/KG		
PCB 127	MG/KG	T				
PCB 130	MG/KG	T				
PCB 131	MG/KG	T				
PCB 132	MG/KG	T				
PCB 133	MG/KG	T				
PCB 134	MG/KG	T				
PCB 136	MG/KG	T				
PCB 137	MG/KG	T				
PCB 14	MG/KG	T				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S28SB08	S28SB09
					5/6/08	5/6/08
PCB 141	MG/KG	T				
PCB 142	MG/KG	T				
PCB 143	MG/KG	T				
PCB 144	MG/KG	T				
PCB 145	MG/KG	T				
PCB 146	MG/KG	T				
PCB 148	MG/KG	T				
PCB 15	MG/KG	T				
PCB 150	MG/KG	T				
PCB 152	MG/KG	T				
PCB 154	MG/KG	T				
PCB 155	MG/KG	T				
PCB 158	MG/KG	T				
PCB 159	MG/KG	T				
PCB 16	MG/KG	T				
PCB 162	MG/KG	T				
PCB 164	MG/KG	T				
PCB 165	MG/KG	T				
PCB 167	MG/KG	T	0.38	MG/KG		
PCB 169	MG/KG	T	0.00038	MG/KG		
PCB 17	MG/KG	T				
PCB 170	MG/KG	T				
PCB 172	MG/KG	T				
PCB 174	MG/KG	T				
PCB 175	MG/KG	T				
PCB 176	MG/KG	T				
PCB 177	MG/KG	T				
PCB 178	MG/KG	T				
PCB 179	MG/KG	T				
PCB 181	MG/KG	T				
PCB 182	MG/KG	T				
PCB 183	MG/KG	T				
PCB 184	MG/KG	T				
PCB 185	MG/KG	T				
PCB 186	MG/KG	T				
PCB 187	MG/KG	T				
PCB 188	MG/KG	T				
PCB 189	MG/KG	T	0.38	MG/KG		
PCB 19	MG/KG	T				
PCB 190	MG/KG	T				
PCB 191	MG/KG	T				
PCB 194	MG/KG	T				
PCB 195	MG/KG	T				
PCB 196	MG/KG	T				
PCB 197	MG/KG	T				
PCB 2	MG/KG	T				
PCB 200	MG/KG	T				
PCB 201	MG/KG	T				
PCB 202	MG/KG	T				
PCB 203	MG/KG	T				
PCB 204	MG/KG	T				
PCB 205	MG/KG	T				
PCB 206	MG/KG	T				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S28SB08	S28SB09
					5/6/08	5/6/08
PCB 207	MG/KG	T				
PCB 208	MG/KG	T				
PCB 209	MG/KG	T				
PCB 22	MG/KG	T				
PCB 23	MG/KG	T				
PCB 24	MG/KG	T				
PCB 25	MG/KG	T				
PCB 27	MG/KG	T				
PCB 3	MG/KG	T				
PCB 31	MG/KG	T				
PCB 32	MG/KG	T				
PCB 34	MG/KG	T				
PCB 35	MG/KG	T				
PCB 36	MG/KG	T				
PCB 37	MG/KG	T				
PCB 38	MG/KG	T				
PCB 39	MG/KG	T				
PCB 4	MG/KG	T				
PCB 41	MG/KG	T				
PCB 42	MG/KG	T				
PCB 43	MG/KG	T				
PCB 45	MG/KG	T				
PCB 46	MG/KG	T				
PCB 48	MG/KG	T				
PCB 5	MG/KG	T				
PCB 51	MG/KG	T				
PCB 52	MG/KG	T				
PCB 54	MG/KG	T				
PCB 55	MG/KG	T				
PCB 56	MG/KG	T				
PCB 57	MG/KG	T				
PCB 58	MG/KG	T				
PCB 6	MG/KG	T				
PCB 60	MG/KG	T				
PCB 63	MG/KG	T				
PCB 64	MG/KG	T				
PCB 66	MG/KG	T				
PCB 67	MG/KG	T				
PCB 68	MG/KG	T				
PCB 7	MG/KG	T				
PCB 72	MG/KG	T				
PCB 73	MG/KG	T				
PCB 77	MG/KG	T	0.11	MG/KG		
PCB 78	MG/KG	T				
PCB 79	MG/KG	T				
PCB 8	MG/KG	T				
PCB 80	MG/KG	T				
PCB 81	MG/KG	T	0.038	MG/KG		
PCB 82	MG/KG	T				
PCB 83	MG/KG	T				
PCB 84	MG/KG	T				
PCB 88	MG/KG	T				
PCB 89	MG/KG	T				

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**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S28SB08	S28SB09
					5/6/08	5/6/08
PCB 9	MG/KG	T				
PCB 91	MG/KG	T				
PCB 92	MG/KG	T				
PCB 94	MG/KG	T				
PCB 95	MG/KG	T				
PCB 96	MG/KG	T				
PCB 98	MG/KG	T				
PCB 99	MG/KG	T				
PCB-100/93	MG/KG	T				
PCB-107/124	MG/KG	T				
PCB-108/119/86/97/125/87	MG/KG	T				
PCB-113/90/101	MG/KG	T				
PCB-116/85	MG/KG	T				
PCB-128/166	MG/KG	T				
PCB-13/12	MG/KG	T				
PCB-139/140	MG/KG	T				
PCB-147/149	MG/KG	T				
PCB-151/135	MG/KG	T				
PCB-153/168	MG/KG	T				
PCB-156/157	MG/KG	T				
PCB-163/138/129	MG/KG	T				
PCB-171/173	MG/KG	T				
PCB-180/193	MG/KG	T				
PCB-198/199	MG/KG	T				
PCB-21/33	MG/KG	T				
PCB-26/29	MG/KG	T				
PCB-28/20	MG/KG	T				
PCB-30/18	MG/KG	T				
PCB-44/47/65	MG/KG	T				
PCB-50/53	MG/KG	T				
PCB-59/62/75	MG/KG	T				
PCB-61/70/74/76	MG/KG	T				
PCB-69/49	MG/KG	T				
PCB-71/40	MG/KG	T				
TOTAL DICHLOROBIPHENYLS (CONGEN)	MG/KG	T				
TOTAL HEPTACHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL HEXACHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL MONOCHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL NONACHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL OCTACHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL PENTACHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL TETRACHLOROBIPHENYLS (CON)	MG/KG	T				
TOTAL TRICHLOROBIPHENYLS (CONGE)	MG/KG	T				
ALUMINUM	MG/KG	T	990000	MG/KG		
ANTIMONY	MG/KG	T	410	MG/KG		
ARSENIC	MG/KG	T	1.6	MG/KG		
BARIUM	MG/KG	T	190000	MG/KG		
BERYLLIUM	MG/KG	T	2000	MG/KG		
CADMIUM	MG/KG	T	800	MG/KG		
CALCIUM	MG/KG	T				
CHROMIUM	MG/KG	T				
COBALT	MG/KG	T	300	MG/KG		
COPPER	MG/KG	T	41000	MG/KG		

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit

**Table A-5**  
**Summary of Subsurface Soil Analytical Results**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S28SB08	S28SB09
					5/6/08	5/6/08
IRON	MG/KG	T	720000	MG/KG		
LEAD	MG/KG	T	800	MG/KG		
MAGNESIUM	MG/KG	T				
MANGANESE	MG/KG	T	23000	MG/KG		
MERCURY	MG/KG	T	43	MG/KG		
NICKEL	MG/KG	T	20000	MG/KG		
POTASSIUM	MG/KG	T				
SELENIUM	MG/KG	T	5100	MG/KG		
SILVER	MG/KG	T	5100	MG/KG		
SODIUM	MG/KG	T				
THALLIUM	MG/KG	T	10	MG/KG		
TITANIUM	MG/KG	T				
VANADIUM	MG/KG	T				
ZINC	MG/KG	T	310000	MG/KG		
C19 to C36 Aliphatics	MG/KG	T				
TOTAL ORGANIC CARBON	MG/KG	T			ND (305)	13000
DRO C10-C28	MG/KG	T				
HPCDFS	MG/KG	T				
ORO >C28 - C35	MG/KG	T				

EPA\_SL\_IndSoil\_05/12  
 < and ND = Non detect at stated reporting limit



**Table A-6**  
**Dioxin TEQ in Surface Soil**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Number of Samples	Number Detected	Number Above	Number Detected Above	Average	Maximum Detection	Maximum Location	MaxDate	WHO 2005 TEF	TEQ
1,2,3,4,6,7,8-HPCDD	MG/KG	36	36	0	0	1.05E-04	0.000378	S05SB06	19-May-08	0.01	3.78E-06
1,2,3,4,6,7,8-HPCDF	MG/KG	36	35	0	0	3.09E-05	0.000259	S05SB06	19-May-08	0.01	2.59E-06
1,2,3,4,7,8,9-HPCDF	MG/KG	36	31	0	0	7.39E-06	0.0000318	S05SB04	02-Jun-08	0.01	3.18E-07
1,2,3,4,7,8-HXCDD	MG/KG	36	29	0	0	1.32E-06	0.0000108	S05SB06	19-May-08	0.1	1.08E-06
1,2,3,4,7,8-HXCDF	MG/KG	36	32	0	0	7.27E-06	0.000065	S05SB06	19-May-08	0.1	6.50E-06
1,2,3,6,7,8-HXCDD	MG/KG	36	32	0	0	2.76E-06	0.0000223	S05SB06	19-May-08	0.1	2.23E-06
1,2,3,6,7,8-HXCDF	MG/KG	36	30	0	0	3.52E-06	0.00005	S05SB06	19-May-08	0.1	5.00E-06
1,2,3,7,8,9-HXCDD	MG/KG	36	32	0	0	2.82E-06	0.0000168	S05SB06	19-May-08	0.1	1.68E-06
1,2,3,7,8,9-HXCDF	MG/KG	36	19	0	0	1.47E-06	0.0000185	S05SB06	19-May-08	0.1	1.85E-06
1,2,3,7,8-PECDD	MG/KG	36	26	0	0	8.69E-07	0.00000981	S05SB06	19-May-08	1	9.81E-06
1,2,3,7,8-PECDF	MG/KG	36	28	0	0	2.24E-06	0.0000253	S05SB06	19-May-08	0.03	7.59E-07
2,3,4,6,7,8-HXCDF	MG/KG	36	28	0	0	3.53E-06	0.0000554	S05SB06	19-May-08	0.1	5.54E-06
2,3,4,7,8-PECDF	MG/KG	36	28	0	0	2.85E-06	0.0000413	S05SB06	19-May-08	0.3	1.24E-05
2,3,7,8-TCDD	MG/KG	36	21	0	0	2.91E-07	0.00000221	S05SB06	19-May-08	1	2.21E-06
2,3,7,8-TCDF	MG/KG	36	31	0	0		0.0000227	S05SB06	19-May-08	0.1	2.27E-06
HPCDDS	MG/KG	30	30	0	0		0.000761	S05SB06	19-May-08		
HXCDDS	MG/KG	30	30	0	0		0.000284	S05SB06	19-May-08		
HXCDFS	MG/KG	30	28	0	0	3.96E-05	0.000481	S05SB06	19-May-08		
OCDD	MG/KG	36	36	0	0	5.87E-03	0.0212	S18SB02	24-Apr-08	0.0003	6.36E-06
OCDF	MG/KG	35	34	0	0	6.09E-04	0.00428	S05SB03	02-Jun-08	0.0003	1.28E-06
TCDDS	MG/KG	36	33	0	0	7.94E-06	0.0000918	S05SB06	19-May-08		
TCDFS	MG/KG	36	34	0	0	3.12E-05	0.000431	S05SB06	19-May-08		
PCB 81	MG/KG	39	9	0	0	1.72E-06	0.0000266	S05SB15	07-May-10	0.0003	7.98E-09
PCB 77	MG/KG	38	36	0	0	6.93E-05	0.000618	S01SB02	28-Apr-08	0.0001	6.18E-08
PCB 126	MG/KG	39	26	1	1	7.14E-06	0.000148	S05SB06	19-May-08	0.1	1.48E-05
PCB 169	MG/KG	39	17	0	0	5.14E-06	0.0000966	S05SB06	19-May-08	0.03	2.90E-06
PCB 105	MG/KG	37	36	0	0	3.05E-03	0.0864	S05SB06	19-May-08	0.00003	2.59E-06
PCB 114	MG/KG	39	26	0	0	1.68E-04	0.00518	S05SB06	19-May-08	0.00003	1.55E-07
PCB 118	MG/KG	36	36	0	0	7.27E-03	0.201	S05SB06	19-May-08	0.00003	6.03E-06
PCB 123	MG/KG	39	30	0	0	1.16E-04	0.00342	S05SB06	19-May-08	0.00003	1.03E-07
PCB-156/157	MG/KG	39	37	0	0	1.20E-03	0.0343	S05SB06	19-May-08	0.00003	1.03E-06
PCB 167	MG/KG	39	36	0	0	3.82E-04	0.0107	S05SB06	19-May-08	0.00003	3.21E-07
PCB 189	MG/KG	39	34	0	0	4.26E-05	0.000967	S05SB06	19-May-08	0.00003	2.90E-08
										Dioxin TEQ	9.37E-05

TEF - Toxicity Equivalency Factor

TEQ - Toxic Equivalency

Note: As a conservative approach, dioxin TEQ was calculated using the highest detected concentrations from the site.

**Table A-7**  
**Dioxin TEQ in Subsurface Soil**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

ANALYTE	UNITS	Number of Samples	Number Detected	Number Above	Number Detected Above	Average	Maximum Detection	Maximum Location	MaxDate	WHO 2005 TEF	TEQ
1,2,3,4,6,7,8-HPCDD	MG/KG	40	38	0	0	8.92E-05	0.000485	S05SB03	02-Jun-08	0.01	4.85E-06
1,2,3,4,6,7,8-HPCDF	MG/KG	36	27	0	0	1.33E-04	0.00397	S05SB10	03-Jun-08	0.01	3.97E-05
1,2,3,4,7,8,9-HPCDF	MG/KG	40	24	0	0	9.01E-05	0.0032	S05SB10	03-Jun-08	0.01	3.20E-05
1,2,3,4,7,8-HXCDD	MG/KG	40	29	0	0	9.35E-07	0.00000698	S05SB10	03-Jun-08	0.1	6.98E-07
1,2,3,4,7,8-HXCDF	MG/KG	40	24	0	0	4.98E-05	0.00161	S05SB10	03-Jun-08	0.1	1.61E-04
1,2,3,6,7,8-HXCDD	MG/KG	40	31	0	0	2.51E-06	0.0000271	S05SB10	03-Jun-08	0.1	2.71E-06
1,2,3,6,7,8-HXCDF	MG/KG	40	21	0	0	8.71E-06	0.000285	S05SB10	03-Jun-08	0.1	2.85E-05
1,2,3,7,8,9-HXCDD	MG/KG	40	33	0	0	2.44E-06	0.0000131	S05SB10	03-Jun-08	0.1	1.31E-06
1,2,3,7,8,9-HXCDF	MG/KG	40	20	0	0	1.28E-05	0.000473	S05SB10	03-Jun-08	0.1	4.73E-05
1,2,3,7,8-PECDD	MG/KG	40	22	0	0	5.32E-07	0.00000513	S05SB10	03-Jun-08	1	5.13E-06
1,2,3,7,8-PECDF	MG/KG	40	22	0	0	2.72E-05	0.00102	S05SB10	03-Jun-08	0.03	3.06E-05
2,3,4,6,7,8-HXCDF	MG/KG	40	20	0	0	5.58E-06	0.000165	S05SB10	03-Jun-08	0.1	1.65E-05
2,3,4,7,8-PECDF	MG/KG	40	18	0	0	3.91E-06	0.000111	S05SB10	03-Jun-08	0.3	3.33E-05
2,3,7,8-TCDD	MG/KG	40	20	0	0	2.65E-07	0.00000219	S05SB04	02-Jun-08	1	2.19E-06
2,3,7,8-TCDF	MG/KG	40	24	0	0	1.30E-05	0.000475	S05SB10	03-Jun-08	0.1	4.75E-05
HPCDDs	MG/KG	34	32	0	0	1.73E-04	0.000864	S05SB03	02-Jun-08		
HXCDDs	MG/KG	34	32	0	0	3.81E-05	0.000227	S05SB10	03-Jun-08		
HXCDFS	MG/KG	34	28	0	0	1.24E-04	0.0033	S05SB10	03-Jun-08		
OCDD	MG/KG	40	40	0	0	4.27E-03	0.0269	S01SB06	29-Apr-08	0.0003	8.07E-06
OCDF	MG/KG	35	32	0	0	1.66E-02	0.549	S05SB10	03-Jun-08	0.0003	1.65E-04
TCDDs	MG/KG	39	35	0	0	5.63E-06	0.0000382	S05SB10	03-Jun-08		
TCDFS	MG/KG	40	34	0	0	3.99E-05	0.00105	S05SB10	03-Jun-08		
PCB 81	MG/KG	43	7	0	0	9.98E-06	0.000361	S23SB01	14-May-08	0.0003	1.08E-07
PCB 77	MG/KG	43	28	0	0	2.40E-04	0.00717	S23SB01	14-May-08	0.0001	7.17E-07
PCB 126	MG/KG	43	20	0	0	5.21E-06	0.0000578	S23SB01	14-May-08	0.1	5.78E-06
PCB 169	MG/KG	43	12	0	0	3.37E-06	0.0000572	S05SB03	02-Jun-08	0.03	1.72E-06
PCB 105	MG/KG	38	32	0	0	5.96E-04	0.00642	S23SB01	14-May-08	0.00003	1.93E-07
PCB 114	MG/KG	43	19	0	0	2.75E-05	0.000417	S23SB01	14-May-08	0.00003	1.25E-08
PCB 118	MG/KG	31	28	0	0	1.59E-03	0.0101	S23SB01	14-May-08	0.00003	3.03E-07
PCB 123	MG/KG	43	18	0	0	2.44E-05	0.000331	S23SB01	14-May-08	0.00003	9.93E-09
PCB-156/157	MG/KG	43	31	0	0	2.51E-04	0.0022	S05SB15	07-May-10	0.00003	6.60E-08
PCB 167	MG/KG	43	26	0	0	9.22E-05	0.000797	S05SB15	07-May-10	0.00003	2.39E-08
PCB 189	MG/KG	43	27	0	0	3.02E-05	0.000283	S04SB03	01-May-08	0.00003	8.49E-09
										Dioxin TEQ	6.35E-04

TEF - Toxicity Equivalency Factor

TEQ - Toxic Equivalency

Note: As a conservative approach, dioxin TEQ was calculated using the highest detected concentrations from the site.

**APPENDIX B  
95% UPPER CONFIDENCE  
LEVEL CALCULATIONS**



**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs		Soil Investigations				Groundwater Investigations		
		Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
1/3	Wastewater Treatment (Processed Wastewater)	S01SB01	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC		The elevated copper exceedance indicated that it is likely to be site-related, but only exceeded in one subsurface soil sample. The PAHs exceedances may be site-related, but are localized to S01SB11 and S01SB06 (only benzo(a)pyrene) in the surface soil samples.	MW-20S/20D	The detected constituents are below the applicable surface water screening criteria.
			11.0-13.0	VOCs, SVOC, Metals, Cyanide, TOC				
		S01SB02	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			12.0-14.0	VOCs, SVOC, Metals, Cyanide, TOC				
		S01SB03	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S01SB04	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			8.5-10.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S01SB06	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.59 mg/kg)			
			9.5-11.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S01SB07	1.0-3.0	SVOCs				
		S01SB08	0.0-2.0	VOCs, SVOCs, Metals				
			6.0-8.0	VOCs, SVOCs, Metals				
		S01SB09	1.0-3.0	VOCs, SVOCs, Metals				
			7.0-9.0	VOCs, SVOCs, Metals	Copper (93500 mg/kg)			
S01SB10	0.0-2.0	VOCs, SVOCs, Metals						
	10.5-12.5	VOCs, SVOCs, Metals						
S01SB11	0.0-2.0	VOCs, SVOCs, Metals	Benzo(a)anthracene (12 mg/kg), Benzo(b)fluoranthene (11 mg/kg), Benzo(a)pyrene (9.1 mg/kg), Dibenz(a,h)anthracene (1.5 mg/kg), Indeno(1,2,3-CD)pyrene (4.5 mg/kg)					
	9.5-11.5	VOCs, SVOCs, Metals						
	0.0-2.0	VOCs, SVOCs, Metals						
S01SB12	8.0-10.0	VOCs, SVOCs, Metals						
4	Former Trash Landfill (Cardboard, scrap wood, concrete, bricks, soil, ash from paper/wood, small quantities of waste solvents, TiO2 pigments, and miscellaneous non-combustible scrap)	S04SB01	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC		The exceedance of benzo(a)pyrene is only limited to one surface soil sample with concentration comparable to an urban background level.	MW-17S/17D	Manganese in MW-17S. Although manganese is natural occurring, the concentrations detected are the highest comparing to the other shallow interior wells indicating that the manganese exceedance may be related to the SWMU.
		S04SB02	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S04SB03	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			4.0-6.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S04SB04	1.5-3.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S04SB05	1.5-3.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
3.5-5.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC							

**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs	Soil Investigations					Groundwater Investigations	
	Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
	S04SB06	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.57 mg/kg)			
		8.0-10.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
	S04SB07	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		8.0-10.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
	S04SB08	0.0-2.0	SVOCs, Metals, pH				
	S04SB09	0.0-2.0	SVOCs, Metals, pH				
		10.0-12.0	SVOCs, Metals, pH				
	S04SB10	0.0-2.0	Metals				
		2.0-4.0	Metals, pH				
	S04SB11	0.0-2.0	Metals				
	S04SB12	0.0-2.0	Metals				
	S04SB13	0.0-2.0	SVOCs, Metals				
		8.5-10.5	SVOCs, Metals, pH				
	S04SB14	0.0-2.0	SVOCs, Metals				
		8.0-10.0	SVOCs, Metals, pH				
	S04SB15	0.0-2.0	SVOCs, Metals				
	S04SB16	0.0-2.0	SVOCs, Metals				
S04SB17	1.0-3.0	SVOCs, Metals					
5	S05SB01	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC		The PCB and lead exceedances are SWMU-related, but only localized in one surface soil sample (S05SB06) and one subsurface soil sample (S05SB17), respectively. The PAHs exceedance were detected in surface and subsurface soil samples, which may be SWMU-related. The hexachlorobenzene exceedances were detected in three subsurface soil samples, which may also be SWMU-related.	MW-18S/18D, MW-21S/21D, MW-23	The detected constituents are below the applicable surface water screening criteria.
		27.5-29.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Hexachlorobenzene (2.2 mg/kg)			
	S05SB02	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		3.0-5.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
	S05SB03	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		5.0-6.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (1.1 mg/kg)			
	S05SB04	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(b)fluoranthene (2.3 mg/kg), Benzo(a)pyrene (1.7 mg/kg), Dibenz(a,h)anthracene (0.22 mg/kg)			
		4.5-6.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
	S05SB06	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.31 mg/kg), PCB 126 (0.000148 mg/kg),			
		17.0-19.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.22 mg/kg)			
S05SB07	13.0-15.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC					
	18.0-20.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC					

**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs		Soil Investigations				Groundwater Investigations		
		Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
		S05SB08	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			19.0-21.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.23 mg/kg)			
		S05SB09	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			13.0-15.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.61 mg/kg)			
		S05SB10	3.0-5.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Hexachlorobenzene (270 mg/kg)			
		S05SB11	0.0-2.0	VOCs, SVOCs, Metals, PCBs, Dioxins/Furans				
		S05SB12	0.0-2.0	SVOCs, Metals, PCBs	Benzo(a)pyrene (0.86 mg/kg)			
			5.0-6.0	SVOCs, Metals, PCBs, pH	Benzo(a)pyrene (1.7 mg/kg), Dibenz(a,h)anthracene (0.3 mg/kg)			
		S05SB13	0.0-2.0	SVOCs, Metals				
			4.5-6.5	SVOCs, Metals, pH	Benzo(a)pyrene (0.59 mg/kg)			
		S05SB15	0.0-2.0	SVOCs, PCBs				
			4.0-6.0	SVOCs, PCBs, pH	Benzo(a)anthracene (15 mg/kg), Benzo(b)fluoranthene (14 mg/kg), Benzo(a)pyrene (11 mg/kg), Dibenz(a,h)anthracene (1.7 mg/kg), Hexachlorobenzene (4.9 mg/kg)			
		S05SB16	0.0-2.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH				
			6.0-8.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans				
		S05SB17	0.0-2.0	VOCs, SVOCs, Metals, PCBs				
			4.0-6.0	VOCs, SVOCs, Metals, PCBs	Benzo(a)pyrene (0.26 mg/kg), Lead (1220 mg/kg)			
		MW-23	0.0-2.0	SVOCs, Metals	Benzo(a)pyrene (0.23 mg/kg)			
6.0-8.0	SVOCs, Metals, pH							
8	Former Less-Than-90-Day Hazardous Waste Accumulation Area (55-gallon steel drums)	S08SB01	1.0-3.0	VOCs, TOC				
		S08SB02	0.0-2.0	VOCs, TOC				
		S08SB03	1.0-3.0	VOCs, TOC				
			13.0-15.0	VOCs, TOC				
13A	Process Sewers (Facility process sewer area)	S13SB01	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC		All detected constituents were below the Industrial screening levels.	MW-22S/22D	The detected constituents are below the applicable surface water screening criteria.
			8.0-9.5	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB02	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S13SB03	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S13SB04	6.0-8.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				

**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs		Soil Investigations				Groundwater Investigations		
		Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
		S13SB05	5.5-7.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
		S13SB06	0.0-2.0	Dioxins/Furans, PCBs				
			7.5-9.5	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB08	4.0-6.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			11.5-13.5	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB09	4.0-6.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			23.0-25.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB10	6.0-8.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			8.5-10.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB11	7.5-9.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			9.5-11.5	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB12	4.5-5.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			17.0-18.5	VOCs, SVOCs, Metals, Cyanide, TOC				
		S13SB13	4.0-6.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			8.0-10.0	VOCs, SVOCs, Metals, Cyanide, TOC				
S13SB14	4.5-6.5	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC						
	25.5-27.5	VOCs, SVOCs, Metals, Cyanide, TOC						
S13SB15	3.0-5.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC						
13B	Process Sewer near Chlorine Scrubber Area (Facility process sewer near chlorine scrubber area)	S13SB16	0.0-2.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC		MW-22S/22D	The detected constituents are below the applicable surface water screening criteria.	
			4.0-6.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC				
			6.0-8.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC				
		S13SB17	0.0-2.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC				
			4.0-6.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC				
			14.0-16.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC				
		S13SB18	0.0-2.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC				
4.0-6.0	VOCs, SVOCs, Metals, PCBs, Dioxins and Furans, pH, TOC							



**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs		Soil Investigations				Groundwater Investigations		
		Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
15	Former Unpaved Ditch (Stormwater and sludge waste)	S15SB01	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			7.0-9.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S15SB02	3.0-5.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			15.5-17.5	VOCs, SVOCs, Metals, Cyanide, TOC				
16	Scrap Metal Area (Ore, scrap iron, inconel, copper, crushed stone, empty tanks, and drummed lubricating oil)	S16SB01	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC		All detected constituents were below the Industrial screening levels.		
			2.0-4.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S16SB02	1.0-3.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			11.0-13.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S16SB03	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			7.5-9.5	VOCs, SVOCs, Metals, Cyanide, TOC				
		S16SB04	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			2.0-4.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S16SB05	2.0-4.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			5.5-7.5	VOCs, SVOCs, Metals, Cyanide, TOC				
17A	Former USTs (1, 2, 3, 4, B, C, F, & G) 1, B, C, F, & G - #6 fuel oil and toluene 4 - heating oil 2 - gasoline 3 - diesel, gasoline, and toluene							
17B (6,7,8,I, J,K,&L)	Former USTs (6, 7, 8, I, J, K, & L) (#6 fuel oil,							
17B (Tanks 9&A)	Former USTs (9&A) (#6 fuel oil, gasoline, and toluene)	S17SBTMW01	3.0-5.0	VOCs, SVOCs, Metals, TOC, TPH-Gasoline		All detected constituents were below the Industrial screening levels.		
			13.0-15.0	VOCs, SVOCs, Metals, TOC, TPH-Gasoline				
		S17SBTMW02	6.5-7.5	SVOCs, C9 to C18 Aliphatics, C19 to C36 Aliphatics, C11 to C22 Aromatics, Unadjusted C11 - C22 Aromatics, TOC, TPH-DRO				
			9.0-10.0	SVOCs, C9 to C18 Aliphatics, C19 to C36 Aliphatics, C11 to C22 Aromatics, Unadjusted C11 - C22 Aromatics, TOC, TPH-DRO				
		S17SBTMW03	1.0-3.0	C19 to C36 Aliphatics, TOC, TPH-DRO				
			7.0-9.0	C19 to C36 Aliphatics, TOC, TPH-DRO				
S17SBTMW04	7.0-8.0	VOCs, SVOCs, Metals, TOC						
	11.0-13.0	VOCs, SVOCs, Metals, TOC						

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs		Soil Investigations				Groundwater Investigations	
		Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells
		S17SBTMW05	5.0-7.0	VOCs, SVOCs, Metals, TOC, TPH-Gasoline			
			18.0-20.0	VOCs, SVOCs, Metals, TOC, TPH-Gasoline			
		S17SB06	1.0-3.0	DROs(C10-C28), HROs(>C28-C35)			
			6.0-8.0	DROs, HROs			
18	Iron Rich Staging Area (Iron rich material)	S18SB01	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC		The exceedance of benzo(a)pyrene is only detected in one surface soil sample with concentration comparable to an urban background level.	
			5.0-7.0	VOCs, SVOCs, Metals, Cyanide, TOC			
20	Former Above-ground Oil Storage Tanks (ASTs) (Fuel oil)	S18SB02	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC	Benzo(a)pyrene (0.23 mg/kg)	Fuel-oil related constituents were below the industrial screening levels except for ORO>C28-C35 in one subsurface soil sample (S20SB06 at 8 to 10 feet bgs).	MW-19S/19D
				1.0-3.0	VOCs, SVOCs, Metals, Cyanide, TOC		
		S20SB01	8.0-10.0	TOC, TPH-DRO			
			17.0-18.0	TOC, TPH-DRO			
		S20SB02	0.0-2.0	TOC, TPH-DRO			
			14.0-16.0	TOC, TPH-DRO			
		S20SB03	0.0-2.0	ORO >C28 - C35			
		S20SB04	0.0-2.0	ORO >C28 - C35			
			5.0-7.0	pH and ORO >C28 - C35			
		S20SB05	0.0-2.0	ORO >C28 - C35			
			7.0-9.0	pH and ORO >C28 - C35			
		S20SB06	0.0-2.0	ORO >C28 - C35			
			8.0-10.0	pH and ORO >C28 - C35	ORO >C28 - C35 (4500 mg/kg)		
		S20SB07	0.0-2.0	ORO >C28 - C35			
			2.0-4.0	pH and ORO >C28 - C35			
		S20SB08	0.0-2.0	ORO >C28 - C35			
			4.5-6.5	pH and ORO >C28 - C35			
		S20SB09	0.0-2.0	ORO >C28 - C35			
8.0-10.0	pH and ORO >C28 - C35						
S20SB10	0.0-2.0	ORO >C28 - C35					
	4.0-6.0	pH and ORO >C28 - C35					
S20SB11	0.0-2.0	ORO >C28 - C35					
	10.0-12.0	pH and ORO >C28 - C35					
S20SB12	0.0-2.0	ORO >C28 - C35					
	10.0-12.0	pH and ORO >C28 - C35					
S20SB13	0.0-2.0	ORO >C28 - C35					
	9.0-11.0	pH and ORO >C28 - C35					
S20SB14	0.0-2.0	ORO >C28 - C35					
	10.0-12.0	pH and ORO >C28 - C35					
S20SB15	0.0-2.0	ORO >C28 - C35					
	8.0-10.0	pH and ORO >C28 - C35					
S20SB16	0.0-2.0	ORO >C28 - C35					
	5.0-7.0	pH and ORO >C28 - C35					

**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs		Soil Investigations				Groundwater Investigations		
		Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
		S20SB17	0.0-2.0	ORO >C28 - C35				
			10.0-12.0	pH and ORO >C28 - C35				
		S20SB18	0.0-2.0	ORO >C28 - C35				
			7.0-9.0	pH and ORO >C28 - C35				
21	Copper Vanadium Sludge Pad (Copper vanadium sludge)	S21SB01	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			17.0-19.0	VOCs, SVOCs, Metals, Cyanide, TOC				
		S21SB02	0.0-2.0	VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC				
			12.5-15.5	VOCs, SVOCs, Metals, Cyanide, TOC				
23	Recovered Ore Storage (Ore)	S23SB01	3.0-5.0	Cyanide, TOC		The arsenic exceedance is slightly above the background level of 11 mg/kg.		
			S23SB02	2.0-4.0				VOCs, SVOCs, Dioxins/Furans, PCBs, Metals, Cyanide, TOC
		5.0-7.0		VOCs, SVOCs, Metals, Cyanide, TOC				Arsenic (13.4 mg/kg)
		S23SB03		5.0-7.0				Metals
24	Oil-Water Separator/Skimmer (Oil, water, and wash solution)	S24SB01	1.0-3.0	VOCs, TOC, TPH-Gasoline, TPH-DRO				
			7.0-9.0	VOCs, TOC, TPH-Gasoline, TPH-DRO				
25	Ferric Chloride Rail Car Loading Area (Ferric chloride)	S25SB01	0.0-2.0	Metals and pH		All detected constituents were below the Industrial screening levels.	MW-16S/16D	Cobalt and manganese in MW-16S and bis(2-ethylhexyl)phthalate in MW-16D. The cobalt and manganese exceedance may be related to the SWMU. However, the bis(2-ethylhexyl)phthalate exceedance is not SWMU-related because metals are the source for this SWMU. Bis(2-ethylhexyl)phthalate was also detected in MW-14 D and MW-12D. The bis(2-ethylhexyl)phthalate concentration detected in MW-12D was the highest among three wells. MW-12D is considered a background well and not associated with any SWMUs.
			6.0-8.0	Metals and pH				
		S25SB02	1.0-3.0	Metals and pH				
			7.0-8.0	Metals and pH				
27	Fuel-Oil Stained Soil (#2 Diesel Fuel oil)	S27SB01	0.0-2.0	SVOCs, TOC	Benzo(a)pyrene (0.3 mg/kg)	Fuel-oil related constituents were below the industrial screening levels except for benzo(a)pyrene in one surface soil sample.		
			2.0-4.0	SVOCs, TOC				
		S27SB02	0.0-2.0	SVOCs, TOC				
			3.0-5.0	SVOCs, TOC				
		S27SB03VD	2.5-4.5	SVOCs, TOC				
		S27SB04	0.0-2.0	SVOCs, TOC				
			3.5-5.5	SVOCs, TOC				
		S27SB04VD	3.0-5.0	SVOCs, TOC				
S27SB06	1.0-3.0	SVOCs, TOC						
	3.0-5.0	SVOCs, TOC						

**Table B-1**  
**Source Identification and Release Confirmation Summary**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

SWMUs	Soil Investigations					Groundwater Investigations	
	Borings	Sample Depth (feet btgs)	Analytical Testing	Constituents exceeded Screening Criteria	Potential SWMU-Related Impacts	Monitoring Wells	Constituents exceeded Screening Criteria
28 Caustic Storage Area (Caustic materials - sodium hydroxide)	S28SB01	1.0-3.0	TOC				
		9.0-11.0	TOC				
	S28SB02	1.5-3.5	TOC				
		11.0-13.0	TOC				
	S28SB03	1.5-3.5	TOC				
		13.5-15.5	TOC				
	S28SB04	2.0-4.0	TOC				
		10.0-12.0	TOC				
	S28SB05	1.0-2.5	TOC				
		8.0-10.0	TOC				
	S28SB06	0.0-2.0	TOC				
		8.0-10.0	TOC				
S28SB07	1.0-3.0	TOC					
	12.5-14.5	TOC					
S28SB08	1.0-3.0	TOC					
	7.0-9.0	TOC					
S28SB09	0.0-2.0	TOC					
	7.0-9.0	TOC					
29 Southland Tank (Ferric chloride solution)	S29SB01		pH was measured by LaMotte Tracer Pocketester™.				
	S29SB02						
	S29SB03						
	S29SB04						
	S29SB05						
	S29SB06						
	S29SB07						
	S29SB08						
	S29SB09						
	S29SB10						
	S29SB11						
	S29SB12						

Phase I	Phase II
<b>TOTAL BORING</b> 74 borings	58 borings
<b>TOTAL SAMPLI</b> 135 samples	84 samples

No further action due to no exceedance of screening levels.

Note: MWs 1-10 were installed in SWMU 6. Investigation of SWMU 6 will occur after SWMU closure.  
 MW-11D, MW-12S/12D, and MW-13S/13D are background wells, which are not tied with any SWMUs.  
 MW-14S/14D and MW-15S/15D are located in the southwest and the central portions of the plant and not tied with any SWMUs.

DRO - Diesel range organics  
 HRO - Heavy range organics

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB01	S01SB01	S01SB01	S01SB01	S01SB02	S01SB02	S01SB03	S01SB04	S01SB04	
				Date	4/29/08	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/28/08	4/29/08	4/29/08	4/29/08
				Top (ft)	1	1	1	11	1	12	1	0	8.5	
				Bottom (ft)	3	3	3	13	3	14	3	2	10.5	
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS				
2-HEXANONE	MG/KG	T	1400	MG/KG	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	
ACETONE	MG/KG	T	630000	MG/KG	0.015 J	ND (0.007)	0.01 J	ND (0.007)	0.008 J	0.01 J	0.064	ND (0.007)	ND (0.007)	
BENZENE	MG/KG	T	5.4	MG/KG	ND (0.0005)	ND (0.0005)	ND (0.0006)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	ND (0.001)	0.001 J	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.001 J	ND (0.001)	
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
ETHYL CHLORIDE	MG/KG	T	61000	MG/KG	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
ETHYLBENZENE	MG/KG	T	27	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
METHYL CHLORIDE	MG/KG	T	500	MG/KG	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	ND (0.004)	ND (0.004)	ND (0.005)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	0.006 J	ND (0.004)	
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	0.004 J	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
TOLUENE	MG/KG	T	45000	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
XYLENES	MG/KG	T	2700	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
ACENAPHTHYLENE	MG/KG	T			ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.12 J	ND (0.038)	ND (0.038)	ND (0.038)	
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.13 J	0.051 J	ND (0.038)	ND (0.038)	
BENZO(G,H,I)PERYLENE	MG/KG	T			ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.063 J	ND (0.038)	ND (0.038)	ND (0.038)	
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.066 J	ND (0.038)	ND (0.038)	ND (0.038)	
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.099 J	ND (0.038)	ND (0.038)	ND (0.038)	
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.073)	ND (0.073)	0.12 J	ND (0.078)	ND (0.076)	ND (0.077)	ND (0.075)	ND (0.076)	ND (0.076)	
CARBAZOLE	MG/KG	T			ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.094 J	0.041 J	ND (0.038)	ND (0.038)	
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.18 J	0.059 J	0.053 J	0.053 J	
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
HEXACHLORO BENZENE	MG/KG	T	1.1	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.046 J	ND (0.038)	ND (0.038)	ND (0.038)	
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.038)	
PHENANTHRENE	MG/KG	T			ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	ND (0.038)	0.067 J	ND (0.038)	0.045 J	0.045 J	
PYRENE	MG/KG	T	17000	MG/KG	ND (0.037)	ND (0.037)	ND (0.037)	ND (0.039)	0.041 J	0.18 J	0.055 J	0.046 J	0.046 J	
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000048		0.0000107	0.0000239		0.0000342	0.000186	0.0000405	0.0000405	
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.00000765 J		0.00000349 J	0.00000317		0.00000525	0.0000553	0.0000146	0.0000146	
1,2,3,4,7,8,9-HPCDF	MG/KG	T			ND (0.000000246) UJ		ND (0.00000025) UJ	0.00000102 J		0.00000114 J	0.0000136	0.00000157 J	0.00000157 J	
1,2,3,4,7,8-HXCDD	MG/KG	T			ND (0.000000886)		ND (0.000000909)	ND (0.000000242) UJ		ND (0.000000239) UJ	0.00000201 J	0.00000462 EMPC J	0.00000462 EMPC J	
1,2,3,4,7,8-HXCDF	MG/KG	T			ND (0.000000246) UJ		ND (0.00000025) UJ	0.0000009 J		0.00000103 J	0.0000114	0.00000163 J	0.00000163 J	
1,2,3,6,7,8-HXCDD	MG/KG	T			ND (0.000000921)		ND (0.000000103)	0.000000338 J		0.000000422 J	0.00000553	0.000000592 EMPC J	0.000000592 EMPC J	
1,2,3,6,7,8-HXCDF	MG/KG	T			ND (0.000000246) UJ		ND (0.00000025) UJ	0.000000245 J		0.000000375 J	0.00000232 J	0.000000929 J	0.000000929 J	
1,2,3,7,8,9-HXCDD	MG/KG	T			ND (0.000000968)		ND (0.000000102)	0.000000291 J		0.000000425 J	0.00000355	0.000000706 EMPC J	0.000000706 EMPC J	
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000000636)		ND (0.00000025) UJ	ND (0.000000242) UJ		0.000000464 J	0.00000184 J	0.000000351 EMPC J	0.000000351 EMPC J	
1,2,3,7,8-PECDD	MG/KG	T			ND (0.000000126)		ND (0.00000013)	ND (0.000000122)		ND (0.000000239) UJ	0.000000721 J	ND (0.000000247) UJ	ND (0.000000247) UJ	
1,2,3,7,8-PECDF	MG/KG	T			ND (0.000000246) UJ		ND (0.00000025) UJ	ND (0.000000242) UJ		ND (0.000000239) UJ	0.00000177 J	0.000000391 EMPC J	0.000000391 EMPC J	
2,3,4,6,7,8-HXCDF	MG/KG	T			ND (0.000000246) UJ		ND (0.000000464)	ND (0.000000242) UJ		0.000000302 J	0.00000258	0.000000797 J	0.000000797 J	
2,3,4,7,8-PECDF	MG/KG	T			ND (0.000000246) UJ		ND (0.00000025) UJ	ND (0.000000242) UJ		0.000000456 J	0.00000156 J	0.000000382 J	0.000000382 J	
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.000000918 J		ND (0.000000632)	ND (0.000000636)		0.000000278 EMPC J	0.00000043 J	0.000000689 J	0.000000689 J	
2,3,7,8-TCDF	MG/KG	T			0.000000053 EMPC J		ND (0.000000374)	0.000000116 EMPC J		0.000000183 J	0.000000752	0.000000167 J	0.000000167 J	
HPCDDs	MG/KG	T			0.00001		0.0000201	0.0000526		0.0000699	0.000331	0.0000899	0.0000899	
HXCDDs	MG/KG	T			0.00000106 EMPC		0.000000599 EMPC	0.00000512 EMPC		0.00000801 EMPC	0.0000402	0.0000113 EMPC	0.0000113 EMPC	
HXCDFs	MG/KG	T			0.00000089 EMPC		0.000000733 EMPC	0.00000387 EMPC		0.00000832 EMPC	0.000052 EMPC	0.0000087 EMPC	0.0000087 EMPC	
OCDD	MG/KG	T			0.000426		0.00112	0.0022		0.00292	0.00515	0.00284	0.00284	
OCDF	MG/KG	T			0.0000108		0.00000678	0.0000404		0.0000469	0.000674	0.0000577	0.0000577	
TCDDs	MG/KG	T			0.000000181 EMPC		0.000000068 EMPC	0.000000578 EMPC		0.00000103 EMPC	0.00000457 EMPC	0.00000105 EMPC	0.00000105 EMPC	
TCDFs	MG/KG	T			0.000000407 EMPC		0.000000325 EMPC	0.000000391 EMPC		0.00000126 EMPC	0.0000216 EMPC	0.00000283 EMPC	0.00000283 EMPC	
TOTAL PECDDs	MG/KG	T			0.000000281 EMPC		ND (0.00000013)	0.00000126 EMPC		0.00000225 EMPC	0.00000858 EMPC	0.00000279 EMPC	0.00000279 EMPC	
TOTAL PECDFs	MG/KG	T			0.000000415 EMPC		0.000000698 EMPC	0.00000265 EMPC		0.00000751 EMPC	0.0000233	0.00000375 EMPC	0.00000375 EMPC	

EPA\_SL\_IndSoil\_05/11

< and ND = Non detect at stated reporting limit

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB01	S01SB01	S01SB01	S01SB01	S01SB02	S01SB02	S01SB03	S01SB04	S01SB04		
				Date	4/29/08	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/28/08	4/29/08	4/29/08		
				Top (ft)	1	1	1	11	1	12	1	0	8.5		
				Bottom (ft)	3	3	3	13	3	14	3	2	10.5		
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 1	MG/KG	T			0.00000849	ND (0.00000405)		0.00000793	EMPC	0.00000728	EMPC	0.0000146	0.00000843	EMPC	
PCB 102	MG/KG	T			0.00000585	EMPC	ND (0.00000401)	0.00000813	EMPC	0.0000118	ND (0.00000535)	ND (0.00000292)			
PCB 105	MG/KG	T	0.38	MG/KG	0.00000929		0.0000131	0.0000475		0.0000131	0.000115	0.0000046	EMPCJ		
PCB 106	MG/KG	T			ND (0.00000302)		ND (0.00000332)	ND (0.00000507)		0.00000113	EMPC	ND (0.00000443)	ND (0.00000242)		
PCB 109	MG/KG	T			0.0000144	EMPC	ND (0.00000316)	0.00000438	EMPC	0.0000234	EMPC	0.000023	ND (0.0000023)		
PCB 110	MG/KG	T			0.0000338		0.00000488	B	0.0000692	0.0000887	0.000469	0.0000193	B		
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.00000279)		ND (0.00000309)	0.00000886	J	ND (0.00000433)	0.0000565	ND (0.00000228)			
PCB 117	MG/KG	T			ND (0.00000284)		ND (0.00000365)	0.0000121		0.0000151	EMPC	0.000055	ND (0.00000266)		
PCB 118	MG/KG	T	0.38	MG/KG	0.0000211		0.00000341	B	0.0000498	0.0000329	0.000279	0.0000135	B		
PCB 122	MG/KG	T			ND (0.00000299)		ND (0.00000328)	0.0000913		ND (0.00000463)	ND (0.00000458)	ND (0.00000242)			
PCB 123	MG/KG	T	0.38	MG/KG	0.00000347	EMPCJ	ND (0.0000034)	0.00000969		0.00000612	EMPCJ	0.0000913	ND (0.00000248)		
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.00000426)		ND (0.00000292)	0.00000456		ND (0.00000421)	0.000037	ND (0.00000224)			
PCB 130	MG/KG	T			0.0000025	EMPC	ND (0.00000357)	0.00000501		0.00000995	0.0000611	ND (0.00000308)			
PCB 131	MG/KG	T			0.00000575		ND (0.00000354)	0.00000818	EMPC	0.0000181	0.0000654	ND (0.00000305)			
PCB 132	MG/KG	T			0.0000142		0.00000357	B	0.0000288	0.0000514	0.000229	0.00000565	B		
PCB 133	MG/KG	T			0.00000406		ND (0.00000335)	0.00000929	EMPC	0.0000203	0.000014	ND (0.00000288)			
PCB 134	MG/KG	T			0.00000231		ND (0.0000039)	0.00000408	EMPC	0.0000811	0.0000371	ND (0.00000336)			
PCB 136	MG/KG	T			0.00000577		0.00000121	EMPC	0.0000096	0.0000195	0.0000649	ND (0.00000217)			
PCB 137	MG/KG	T			0.00000131	EMPC	ND (0.00000303)	0.000004		0.0000499	0.0000329	ND (0.00000261)			
PCB 141	MG/KG	T			0.00000882		ND (0.00000323)	0.0000144		0.0000227	0.000166	ND (0.00000278)			
PCB 144	MG/KG	T			0.00000206		ND (0.00000312)	0.00000377		0.00000638	0.0000238	ND (0.00000269)			
PCB 146	MG/KG	T			0.00000544		ND (0.00000306)	0.0000108		0.0000204	0.000146	ND (0.00000264)			
PCB 15	MG/KG	T			0.00000432	B	0.00000272	B	0.0000046	B	0.00000378	B	0.0000412	0.00000324	B
PCB 154	MG/KG	T			ND (0.00000209)		ND (0.00000283)	0.0000051		0.00000927	ND (0.00000335)	ND (0.00000243)			
PCB 158	MG/KG	T			0.0000047		0.00000111	EMPC	0.0000101	0.0000159	0.0000976	ND (0.00000198)			
PCB 159	MG/KG	T			ND (0.00000468)		ND (0.00000271)	0.00000896	EMPC	0.0000136	0.0000101	ND (0.00000193)			
PCB 16	MG/KG	T			0.00000417	B	0.00000294	B	0.0000152	0.0000264	B	0.0000117	B	0.00000344	B
PCB 162	MG/KG	T			ND (0.00000455)		ND (0.00000259)	0.00000401		0.00000578	0.0000428	ND (0.00000184)			
PCB 164	MG/KG	T			0.0000034		0.00000104	0.00000643		0.0000135	0.0000844	ND (0.00000218)			
PCB 167	MG/KG	T	0.38	MG/KG	0.00000161		0.000000378	EMPCJ	0.00000356	0.00000551	0.0000487	ND (0.00000196)			
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000463)		ND (0.00000284)	ND (0.00000401)		ND (0.00000403)	ND (0.00000701)	ND (0.00000212)			
PCB 170	MG/KG	T			0.0000147		0.00000527	0.0000297		0.0000518	0.000395	ND (0.00000378)			
PCB 172	MG/KG	T			0.00000276		ND (0.00000538)	0.0000054		0.00000962	0.0000712	ND (0.00000389)			
PCB 174	MG/KG	T			0.0000148		0.00000531	0.0000342		0.0000516	0.00036	ND (0.00000382)			
PCB 175	MG/KG	T			0.00000671	EMPC	ND (0.00000519)	0.00000108		0.00000224	0.0000139	ND (0.00000376)			
PCB 176	MG/KG	T			0.0000023		0.00000693	0.00000349	EMPC	0.00000689	0.0000298	ND (0.00000242)			
PCB 177	MG/KG	T			0.00000763		0.00000332	0.0000193		0.0000291	0.00022	ND (0.00000389)			
PCB 178	MG/KG	T			0.00000336		0.00000148	0.00000738		0.0000121	0.0000875	ND (0.00000327)			
PCB 179	MG/KG	T			0.00000652		0.00000175	0.0000151		0.0000239	0.000141	ND (0.0000026)			
PCB 183	MG/KG	T			0.00000798		0.00000279	0.0000203		0.0000329	0.000191	ND (0.00000359)			
PCB 185	MG/KG	T			0.00000199		ND (0.00000527)	0.00000589		0.00000646	0.000037	ND (0.00000381)			
PCB 187	MG/KG	T			0.0000182		0.00000704	0.000048		0.0000725	0.000553	0.0000151			
PCB 189	MG/KG	T	0.38	MG/KG	ND (0.00000421)		ND (0.00000041)	0.00000125		0.0000019	0.0000162	0.00000446	J		
PCB 19	MG/KG	T			0.00000103	EMPC	ND (0.00000574)	0.00000961		0.00000929	EMPC	0.0000021	0.00000844		
PCB 190	MG/KG	T			0.00000281		0.00000106	0.00000603		0.00000885	0.0000774	ND (0.00000269)			
PCB 191	MG/KG	T			ND (0.00000323)		ND (0.00000391)	0.00000134		0.0000184	0.0000146	ND (0.00000283)			
PCB 194	MG/KG	T			0.0000103		0.00000408	0.0000307		0.0000412	0.00025	0.00000214			
PCB 195	MG/KG	T			0.00000309	EMPC	0.00000166	0.00000783		0.0000116	0.0000879	0.00000528			
PCB 196	MG/KG	T			0.00000561		0.00000194	0.0000165		0.0000233	0.000118	0.0000187			
PCB 197	MG/KG	T			ND (0.00000267)		ND (0.00000353)	0.00000117		0.0000164	0.0000983	ND (0.00000203)			
PCB 2	MG/KG	T			ND (0.00000246)		ND (0.00000036)	0.00000739		0.00000815	EMPC	0.00000136	0.00000104		
PCB 200	MG/KG	T			0.00000111		ND (0.00000354)	0.0000041		0.00000558	0.0000327	ND (0.00000204)			
PCB 201	MG/KG	T			0.00000141		ND (0.00000348)	0.00000509		0.00000685	0.0000331	0.00000104			
PCB 202	MG/KG	T			0.00000204		ND (0.00000375)	0.00000948		0.0000154	0.0000871	0.00000171			
PCB 203	MG/KG	T			0.00000795		0.00000265	0.0000313		0.0000433	0.000216	0.00000235			
PCB 205	MG/KG	T			0.00000484	EMPC	ND (0.00000039)	0.00000128		0.00000176	0.0000132	0.00000498			
PCB 206	MG/KG	T			0.00000912		0.00000464	0.0000397		0.00000879	0.000477	0.0000258			
PCB 207	MG/KG	T			0.00000139		ND (0.00000532)	0.00000601		0.0000106	0.0000646	0.0000101			
PCB 208	MG/KG	T			0.00000296		0.00000182	0.0000127		0.0000031	0.000201	0.0000125			
PCB 209	MG/KG	T			0.0000385		0.0000212	0.000108		0.000251	0.00269	0.000189			

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 < and ND = Non detect at stated reporting limit

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB01	S01SB01	S01SB01	S01SB01	S01SB02	S01SB02	S01SB03	S01SB04	S01SB04
				Date	4/29/08	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/28/08	4/29/08	4/29/08
				Top (ft)	1	1	1	11	1	12	1	0	8.5
				Bottom (ft)	3	3	3	13	3	14	3	2	10.5
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 22	MG/KG	T			0.00000519 B		0.00000235 B		0.0000134		0.00000274 B	0.0000391	0.00000266 B
PCB 25	MG/KG	T			0.00000953 B		ND (0.00000495)		0.00000712 B		0.00000574 B	0.00000664	ND (0.00000377)
PCB 27	MG/KG	T			0.00000676		ND (0.00000404)		0.00000637 EMPC		0.00000351 EMPC	0.00000222	0.0000039 EMPC
PCB 3	MG/KG	T			0.00000818 EMPC		ND (0.00000327)		0.00000145		0.0000011 EMPC	0.00000359	0.00000219
PCB 31	MG/KG	T			0.0000129 B		0.00000584 B		0.00000916 B		0.00000674 B	0.0000083	0.00000581 B
PCB 32	MG/KG	T			0.00000332 B		0.00000202 B		0.00000252 B		0.0000022 B	0.0000107	0.00000226 B
PCB 35	MG/KG	T			0.00000353		ND (0.00000536)		0.00000997		ND (0.00000675)	0.00000315	ND (0.00000408)
PCB 37	MG/KG	T			0.0000046		0.00000908 EMPC		0.0000106		0.00000254	0.00000788	0.00000127
PCB 41	MG/KG	T			0.00000136		ND (0.00000354)		ND (0.00000391)		0.00000431 EMPC	0.00000626	ND (0.00000323)
PCB 42	MG/KG	T			0.00000311		ND (0.00000318)		0.00000557		0.00000118	0.0000026	0.00000744 EMPC
PCB 43	MG/KG	T			0.00000413 EMPC		ND (0.00000379)		ND (0.00000417)		ND (0.00000511)	ND (0.00000496)	ND (0.00000346)
PCB 45	MG/KG	T			0.00000203		ND (0.00000375)		0.000001		0.00000108	0.00000787	ND (0.00000342)
PCB 46	MG/KG	T			0.00000893		ND (0.00000353)		0.00000103		0.000000462	0.00000231	ND (0.00000322)
PCB 48	MG/KG	T			0.00000256 B		0.000000804 B		0.00000155 B		0.000000871 B	0.0000013	0.000000752 B
PCB 5	MG/KG	T			ND (0.00000365)		ND (0.00000381)		0.00000199		ND (0.00000403)	ND (0.00000533)	0.00000696
PCB 51	MG/KG	T			0.00000472 EMPC		ND (0.00000257)		0.00000038		0.000000319 EMPC	0.0000012	ND (0.00000235)
PCB 52	MG/KG	T			0.0000169		0.00000306 B		0.0000187		0.0000104 B	0.000125	0.00000282 B
PCB 54	MG/KG	T			ND (0.00000227)		ND (0.00000258)		ND (0.00000284)		ND (0.00000328)	ND (0.00000343)	ND (0.00000203)
PCB 56	MG/KG	T			0.00000568		0.00000656		0.00256		0.0000029	0.0000532	0.000000757 B
PCB 60	MG/KG	T			0.00000331		ND (0.00000319)		ND (0.0000041)		0.0000012	0.0000266	ND (0.00000248)
PCB 63	MG/KG	T			0.00000487		ND (0.00000301)		ND (0.0000038)		ND (0.00000452)	0.00000354	ND (0.00000234)
PCB 64	MG/KG	T			0.00000574		0.00000099 B		0.00000513		0.00000304 B	0.0000431	0.00000112 B
PCB 66	MG/KG	T			0.0000111		0.0000011 B		0.0000135		0.00000527 B	0.000111	0.00000124 B
PCB 67	MG/KG	T			ND (0.0000029)		ND (0.00000311)		ND (0.00000389)		ND (0.00000463)	0.00000298	ND (0.00000242)
PCB 68	MG/KG	T			ND (0.00000285)		ND (0.00000311)		ND (0.00000383)		ND (0.00000455)	0.00000977	ND (0.00000242)
PCB 7	MG/KG	T			ND (0.00000357)		ND (0.00000356)		ND (0.00000458)		0.000000443	0.00000637	ND (0.00000368)
PCB 72	MG/KG	T			ND (0.00000285)		ND (0.00000324)		ND (0.00000383)		ND (0.00000455)	0.00000151	ND (0.00000252)
PCB 77	MG/KG	T	0.11	MG/KG	0.00000168		0.00000206		0.000618		0.00000153	0.0000273	ND (0.00000247)
PCB 82	MG/KG	T			0.00000422		ND (0.00000527)		0.0000474		0.0000044	0.0000305	ND (0.00000384)
PCB 83	MG/KG	T			0.0000014		ND (0.00000574)		0.00000441		0.00000285 EMPC	0.0000146	ND (0.00000418)
PCB 84	MG/KG	T			0.00000803		0.00000121		0.0000178		0.0000158	0.0000446	ND (0.00000365)
PCB 89	MG/KG	T			ND (0.0000004)		ND (0.00000468)		ND (0.00000673)		ND (0.00000575)	ND (0.00000624)	ND (0.00000341)
PCB 9	MG/KG	T			0.0000062		ND (0.00000357)		0.00000684		0.00000781	0.00000159	0.00000958
PCB 91	MG/KG	T			0.00000347		ND (0.00000395)		0.00000551		0.00000792	0.0000288	ND (0.00000288)
PCB 92	MG/KG	T			0.00000428		0.00000601 EMPC		0.00000776		0.00000717	0.0000496	ND (0.00000323)
PCB 95	MG/KG	T			0.0000226		0.00000362 B		0.0000365		0.0000473	0.000165	0.0000019 B
PCB 96	MG/KG	T			ND (0.00000026)		ND (0.00000349)		ND (0.00000582)		0.00000286 EMPC	0.00000779 EMPC	ND (0.00000245)
PCB 99	MG/KG	T			0.00000999		0.00000179 EMPC		0.0000153		0.0000137	0.000124	0.00000988 EMPC
PCB-100/93	MG/KG	T			ND (0.00000363)		ND (0.0000044)		ND (0.00000611)		ND (0.00000522)	ND (0.00000586)	ND (0.00000321)
PCB-107/124	MG/KG	T			0.00000105		ND (0.00000327)		0.0000022		0.00000187	0.000018	ND (0.00000239)
PCB-108/119/86/97/125/87	MG/KG	T			0.0000169		0.00000272		0.0000312		0.0000206	0.000169	0.0000017
PCB-113/90/101	MG/KG	T			0.0000251		0.00000391 B		0.0000426		0.0000312	0.000275	0.00000198 B
PCB-116/85	MG/KG	T			0.00000394		ND (0.00000372)		0.00000602		0.00000485	0.000057	ND (0.00000271)
PCB-128/166	MG/KG	T			0.00000614		0.0000017		0.0000131		0.0000237	0.000169	ND (0.00000214)
PCB-13/12	MG/KG	T			0.00000911		ND (0.00000363)		0.00000282		ND (0.00000398)	0.00000303	ND (0.00000375)
PCB-139/140	MG/KG	T			0.00000339 EMPC		ND (0.00000313)		0.00000122		0.00000242	0.00000984	ND (0.00000269)
PCB-147/149	MG/KG	T			0.0000323		0.00000872		0.0000597		0.000119	0.00066	0.00000168 B
PCB-151/135	MG/KG	T			0.0000138		0.00000368		0.0000243		0.0000478	0.00024	ND (0.00000282)
PCB-153/168	MG/KG	T			0.000031		0.00000705		0.0000641		0.0000875	0.000853	0.0000014 B
PCB-156/157	MG/KG	T			0.00000441		0.00000087 J		0.00000978		0.0000113	0.000116	ND (0.00000267)
PCB-163/138/129	MG/KG	T			0.000045		0.0000087 B		0.00009		0.000141	0.00114	0.00000155 B
PCB-171/173	MG/KG	T			0.00000443		ND (0.00000555)		0.00000806		0.0000157	0.000106	ND (0.00000401)
PCB-180/193	MG/KG	T			0.0000337		0.0000121		0.00008		0.00012	0.000903	0.00000155
PCB-198/199	MG/KG	T			0.0000134		0.00000493		0.0000466		0.0000689	0.000393	0.00000414
PCB-21/33	MG/KG	T			0.00000797 B		0.00000435 B		0.0000703		0.0000046 B	0.0000407	0.00000437 B
PCB-26/29	MG/KG	T			0.00000209 B		0.00000106 B		0.00000163 B		0.00000159 B	0.0000135	0.00000119 B
PCB-28/20	MG/KG	T			0.0000145 B		0.00000666 B		0.0000197 B		0.00000788 B	0.000104	0.00000751 B
PCB-44/47/65	MG/KG	T			0.0000134 B		0.00000335 B		0.0000428		0.00000635 B	0.0000962	0.00000325 B
PCB-50/53	MG/KG	T			0.00000162		0.00000373 EMPC		0.00000136		0.00000113	0.00000588	0.00000045
PCB-59/62/75	MG/KG	T			0.00000107		ND (0.0000022)		0.00000166		0.00000381 EMPC	0.00000768	ND (0.00000201)

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 < and ND = Non detect at stated reporting limit

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB01	S01SB01	S01SB01	S01SB01	S01SB02	S01SB02	S01SB03	S01SB04	S01SB04	
				Date	4/29/08	4/29/08	4/29/08	4/29/08	4/28/08	4/28/08	4/28/08	4/29/08	4/29/08	4/29/08
				Top (ft)	1	1	1	11	1	12	1	0	8.5	
				Bottom (ft)	3	3	3	13	3	14	3	2	10.5	
Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS				
PCB-61770/74/76	MG/KG	T			0.0000232		0.0000306 B		0.0000632		0.0000128	0.000213	0.00000245 B	
PCB-69/49	MG/KG	T			0.00000742		0.0000158 B		0.00000592 B		0.00000333 B	0.0000657	0.0000016 B	
PCB-71/40	MG/KG	T			0.00000575 B		0.00000347 B		0.000907		0.00000204 B	0.0000297	0.000000926 B	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000122 EMPC		0.0000408		0.000286 EMPC		0.000448	0.00322	0.00000351	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000186 EMPC		0.000038 EMPC		0.000366 EMPC		0.000618	0.00421	0.00000519 B	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000167 EMPC		ND (0.00000366)		0.00000298 EMPC		0.00000265 EMPC	0.0000064	0.00000408 EMPC	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000135		0.00000646		0.0000584		0.00013	0.000743	0.0000483	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000454 EMPC		0.0000153		0.000154		0.00022	0.00124	0.0000143	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000168 EMPC		0.0000235 B		0.000405 EMPC		0.000298 EMPC	0.00189 EMPC	0.0000103 B	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000108 EMPC		0.0000264 B		0.00425		0.0000548 B	0.00087	0.0000161 B	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000073 B		0.0000349 B		0.000165 B		0.0000415 B	0.000441	0.0000397 B	
ALUMINIUM	MG/KG	T	990000	MG/KG	10600	10400		5470	12600	9450	12600	14200	8140	
ANTIMONY	MG/KG	T	410	MG/KG	ND (0.991) UJ	ND (0.97) UJ		ND (1.01) UJ	ND (1.05) UJ	ND (1.02) UJ	ND (1.04) UJ	1.2 J	ND (1.01) UJ	
ARSENIC	MG/KG	T	11	MG/KG	^1.94 J	^2.45 J		0.933 J	^2.66 J	1.36 J	^2.54 J	^2.74 J	^4.36 J	
BARIUM	MG/KG	T	190000	MG/KG	33.7	23.4		14.7	29.9	34.7	36.1	90.7	37	
BERYLLIUM	MG/KG	T	2000	MG/KG	0.434 J	0.407 J		0.17 J	0.304 J	0.307 J	0.285 J	0.322 J	0.264 J	
CADMIUM	MG/KG	T	800	MG/KG	0.17 J	0.119 J		ND (0.0726)	0.214 J	0.146 J	0.4 J	0.335 J	0.0794 J	
CALCIUM	MG/KG	T			189	132		127	316	368	1060	1100	494	
CHROMIUM	MG/KG	T			8.38	8.77		9.29	10.6 J	11.2 J	16.3 J	33.7	19	
COBALT	MG/KG	T	300	MG/KG	2.43	2.16		1.17	2.05	1.51	3.9	5.46	2.05	
COPPER	MG/KG	T	41000	MG/KG	4	3.58		3.92	6.87	17.2	15.6	35.4	37.8	
IRON	MG/KG	T	720000	MG/KG	11800	11700		5130	14200	10100	17500	18500	10700	
LEAD	MG/KG	T	800	MG/KG	3.08 J	3.6 J		3.33 J	23.5	12.5	21.6	71.3 J	42.3 J	
MAGNESIUM	MG/KG	T			223	237		150	328	258	1000	1580	828	
MANGANESE	MG/KG	T	23000	MG/KG	67.8	56.6		33.8	57	62.6	111	216	56.4	
MERCURY	MG/KG	T	43	MG/KG	0.0165 J	ND (0.0113)		ND (0.0118)	ND (0.0119)	ND (0.012)	0.0264 J	0.0812 J	0.0293 J	
NICKEL	MG/KG	T	20000	MG/KG	5.11	4.79		3.66	5.72	5.51	8.16	13.6	5.84	
POTASSIUM	MG/KG	T			311 J	285 J		203 J	420 J	290 J	956 J	1000 J	794 J	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.07)	ND (1.05)		ND (1.09)	ND (1.14) UJ	ND (1.11) UJ	ND (1.13) UJ	ND (1.08)	ND (1.09)	
SILVER	MG/KG	T	5100	MG/KG	ND (0.187)	ND (0.183)		ND (0.19)	0.306 J	0.281 J	0.315 J	ND (0.188)	ND (0.19)	
SODIUM	MG/KG	T			74.1 J	62.2 J		109 J	106 J	76 J	117	45 J	116	
THALLIUM	MG/KG	T	10	MG/KG	ND (0.165)	ND (0.161)		ND (0.168)	ND (0.173) UJ	ND (0.165) UJ	ND (0.169) UJ	ND (0.167)	ND (0.168)	
TITANIUM	MG/KG	T			213	204		206	312	461	724	1170	521	
VANADIUM	MG/KG	T			14.5	13.9		8.92	15.1	15.1	25.8	44.5	18.9	
ZINC	MG/KG	T	310000	MG/KG	13.5	13.4		32.1	22.1	22.7	46.7	48	21.5	
TOTAL ORGANIC CARBON	MG/KG	T			ND (374)	ND (333)		ND (322)	ND (405)	2250	ND (346)	5290	14700	
HPCDFS	MG/KG	T			0.0000018 EMPC		0.000000889		0.00000656		0.0000094	0.000163	0.0000209	

EPA\_SL\_IndSoil\_05/11  
 < and ND = Non detect at stated reporting limit



**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB06	S01SB06	S01SB07	S01SB08	S01SB08	S01SB09	S01SB09	S01SB10	S01SB10	S01SB11	S01SB11	S01SB12
				Date	4/29/08	4/29/08	5/13/10	5/12/10	5/12/10	5/12/10	5/12/10	5/13/10	5/13/10	6/11/10	6/11/10	6/11/10
				Top (ft)	0	9.5	1	0	6	1	7	0	10.5	0	9.5	0
Bottom (ft)	2	11.5	3	2	8	3	9	2	12.5	2	11.5	2				
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
2-HEXANONE	MG/KG	T	1400	MG/KG	ND (0.003)	0.005 J		ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.003)	ND (0.15)	ND (0.003)	ND (0.003)	ND (0.003)
ACETONE	MG/KG	T	630000	MG/KG	0.058	0.031		0.054	0.026	0.026	0.053	0.039	ND (0.35)	0.045	0.01 J	0.012 J
BENZENE	MG/KG	T	5.4	MG/KG	ND (0.0005)	ND (0.0005)		ND (0.0005)	ND (0.0005)	ND (0.0005)	0.001 J	ND (0.0005)	0.034 J	ND (0.0005)	ND (0.0005)	ND (0.0005)
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	0.004 J	ND (0.001)		ND (0.001)	ND (0.001)	0.004 J	ND (0.001)	ND (0.001)	ND (0.05)	ND (0.001)	ND (0.001)	ND (0.0009)
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)	ND (0.0009)	0.002 J	ND (0.001)	ND (0.05)	ND (0.001)	0.015	ND (0.0009)
ETHYL CHLORIDE	MG/KG	T	61000	MG/KG	0.003 J	ND (0.002)		ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.002)
ETHYLBENZENE	MG/KG	T	27	MG/KG	ND (0.001)	0.008		ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	2.8	ND (0.001)	ND (0.001)	ND (0.0009)
METHYL CHLORIDE	MG/KG	T	500	MG/KG	0.007	ND (0.002)		ND (0.002)	ND (0.002)	0.002 J	ND (0.002)	ND (0.002)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.002)
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	0.005 J	ND (0.004)		ND (0.004)	ND (0.004)	ND (0.004)	0.007 J	ND (0.004)	ND (0.2)	ND (0.004)	ND (0.004)	ND (0.004)
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	ND (0.002)	ND (0.002)		ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.1)	ND (0.002)	ND (0.002)	ND (0.002)
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	0.002 J	0.001 J		ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.05)	ND (0.001)	ND (0.001)	ND (0.0009)
TOLUENE	MG/KG	T	45000	MG/KG	ND (0.001)	0.005		ND (0.001)	ND (0.001)	ND (0.0009)	0.006	ND (0.001)	2.3	ND (0.001)	ND (0.001)	ND (0.0009)
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)	0.001 J		ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.05)	ND (0.001)	ND (0.001)	ND (0.0009)
XYLENES	MG/KG	T	2700	MG/KG	ND (0.001)	0.044		ND (0.001)	ND (0.001)	ND (0.0009)	0.005	ND (0.001)	18	ND (0.001)	ND (0.001)	ND (0.0009)
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	0.1 J	0.6	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	0.21	0.14 J	ND (0.04)	ND (0.038)
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.039)	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	1.5	ND (0.04)	ND (0.038)
ACENAPHTHYLENE	MG/KG	T			0.19	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	1.4	ND (0.04)	ND (0.038)
ANTHRACENE	MG/KG	T	170000	MG/KG	0.18 J	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	0.08 J	ND (0.039)	5	ND (0.04)	ND (0.038)
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.57	ND (0.04)	0.076 J	ND (0.041)	ND (0.039)	0.042 J	ND (0.039)	0.14 J	ND (0.039)	^12	ND (0.04)	ND (0.038)
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.72	ND (0.04)	0.099 J	0.086 J	ND (0.039)	0.065 J	ND (0.039)	0.12 J	ND (0.039)	^11	ND (0.04)	ND (0.038)
BENZO(G,H,I)PERYLENE	MG/KG	T			0.58	ND (0.04)	0.051 J	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	0.042 J	ND (0.039)	4.4	ND (0.04)	ND (0.038)
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	0.24	ND (0.04)	0.052 J	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	0.067 J	ND (0.039)	3.8	ND (0.04)	ND (0.038)
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	^0.59	ND (0.04)	0.079 J	ND (0.041)	ND (0.039)	0.037 J	ND (0.039)	0.098 J	ND (0.039)	^9.1	ND (0.04)	ND (0.038)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	0.13 J	ND (0.08)	ND (0.074)	ND (0.081)	ND (0.079)	ND (0.073)	ND (0.079)	ND (0.073)	ND (0.078)	ND (0.071)	ND (0.08)	ND (0.075)
CARBAZOLE	MG/KG	T			0.078 J	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	0.33	ND (0.04)	ND (0.038)
CHRYSENE	MG/KG	T	210	MG/KG	0.92	ND (0.04)	0.077 J	ND (0.041)	ND (0.039)	0.071 J	ND (0.039)	0.13 J	ND (0.039)	10	ND (0.04)	ND (0.038)
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	0.13 J	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	^1.5	ND (0.04)	ND (0.038)
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.039)	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	0.9	ND (0.04)	ND (0.038)
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.82	ND (0.04)	0.11 J	ND (0.041)	0.067 J	0.069 J	0.058 J	0.26	ND (0.039)	27	ND (0.04)	ND (0.038)
FLUORENE	MG/KG	T	22000	MG/KG	0.046 J	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	2.4	ND (0.04)	ND (0.038)
HEXACHLOROENBENZENE	MG/KG	T	1.1	MG/KG	ND (0.039)	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	0.13 J	ND (0.039)	ND (0.036)	ND (0.039)	0.15 J	ND (0.04)	ND (0.038)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	0.36	ND (0.04)	0.045 J	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	0.045 J	ND (0.039)	^4.5	ND (0.04)	ND (0.038)
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.039)	0.29	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	0.33	0.044 J	ND (0.04)	ND (0.038)
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	0.19	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)	ND (0.035)	ND (0.04)	ND (0.038)
PHENANTHRENE	MG/KG	T			0.96	ND (0.04)	ND (0.037)	ND (0.041)	ND (0.039)	0.039 J	0.065 J	0.29	ND (0.039)	18	ND (0.04)	ND (0.038)
PYRENE	MG/KG	T	17000	MG/KG	1.3	ND (0.04)	0.12 J	ND (0.041)	0.063 J	0.077 J	0.047 J	0.23	ND (0.039)	22	ND (0.04)	ND (0.038)
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000594	0.000375										
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000341	0.00000777 J										
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000893	ND (0.00000246) UJ										
1,2,3,4,7,8-HXCDD	MG/KG	T			0.00000669 J	0.0000101 J										
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000736	ND (0.00000246) UJ										
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000137 J	0.00000279										
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000347	ND (0.00000246) UJ										
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000113 J	0.00000369										
1,2,3,7,8,9-HXCDF	MG/KG	T			0.00000216 J	ND (0.00000167)										
1,2,3,7,8-PECDD	MG/KG	T			0.00000449 J	ND (0.00000246) UJ										
1,2,3,7,8-PECDF	MG/KG	T			0.00000257	ND (0.00000246) UJ										
2,3,4,6,7,8-HXCDF	MG/KG	T			0.00000287	ND (0.00000127)										
2,3,4,7,8-PECDF	MG/KG	T			0.00000299	ND (0.0000016)										
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.00000182 J	0.000000733 J										
2,3,7,8-TCDF	MG/KG	T			0.0000022	0.000000931 J										
HPCDDs	MG/KG	T			0.000131	0.000637										
HXCDDs	MG/KG	T			0.0000214 EMPC	0.0000383										
HXCDFs	MG/KG	T			0.0000426	0.000000548 EMPC										
OCDD	MG/KG	T			0.00469	0.0269 J										
OCDF	MG/KG	T			0.000689	0.00000736										
TCDDs	MG/KG	T			0.0000052 EMPC	0.00000125 EMPC										
TCDFs	MG/KG	T			0.0000293 EMPC	0.000000672 EMPC										
TOTAL PECDDs	MG/KG	T			0.0000078 EMPC	0.00000415 EMPC										
TOTAL PECDFs	MG/KG	T			0.0000371 EMPC	0.00000112										

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**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB06	S01SB06	S01SB07	S01SB08	S01SB08	S01SB09	S01SB09	S01SB10	S01SB10	S01SB11	S01SB11	S01SB12
				Date	4/29/08	4/29/08	5/13/10	5/12/10	5/12/10	5/12/10	5/12/10	5/13/10	5/13/10	6/11/10	6/11/10	6/11/10
				Top (ft)	0	9.5	1	0	6	1	7	0	10.5	0	9.5	0
				Bottom (ft)	2	11.5	3	2	8	3	9	2	12.5	2	11.5	2
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 1	MG/KG	T			0.000002	ND (0.00000997)										
PCB 102	MG/KG	T			0.0000999	ND (0.00000396)										
PCB 105	MG/KG	T	0.38	MG/KG	0.0000948	0.0000112										
PCB 106	MG/KG	T			ND (0.00000498)	ND (0.00000328)										
PCB 109	MG/KG	T			0.000174	ND (0.00000312)										
PCB 110	MG/KG	T			0.000774	0.00000386 B										
PCB 114	MG/KG	T	0.38	MG/KG	0.0000561	ND (0.00000313)										
PCB 117	MG/KG	T			0.000105	ND (0.00000361)										
PCB 118	MG/KG	T	0.38	MG/KG	0.00021	0.00000223 B										
PCB 122	MG/KG	T			0.0000379	ND (0.00000332)										
PCB 123	MG/KG	T	0.38	MG/KG	0.0000617 EMPC	ND (0.00000336)										
PCB 126	MG/KG	T	0.00011	MG/KG	0.000003	ND (0.00000392)										
PCB 130	MG/KG	T			0.0000866	ND (0.00000389)										
PCB 131	MG/KG	T			0.000142	ND (0.00000386)										
PCB 132	MG/KG	T			0.000498	0.00000132 B										
PCB 133	MG/KG	T			0.000022	ND (0.00000364)										
PCB 134	MG/KG	T			0.0000833	ND (0.00000425)										
PCB 136	MG/KG	T			0.000241	ND (0.00000273)										
PCB 137	MG/KG	T			0.0000449	ND (0.00000033)										
PCB 141	MG/KG	T			0.000223	0.00000109										
PCB 144	MG/KG	T			0.0000676	ND (0.00000034)										
PCB 146	MG/KG	T			0.000218	ND (0.00000334)										
PCB 15	MG/KG	T			0.0000274	0.00000287 B										
PCB 154	MG/KG	T			0.0000623	ND (0.00000308)										
PCB 158	MG/KG	T			0.000152	ND (0.00000025)										
PCB 159	MG/KG	T			0.0000207	ND (0.00000331)										
PCB 16	MG/KG	T			0.0000601 B	0.00000255 B										
PCB 162	MG/KG	T			0.0000536	ND (0.00000316)										
PCB 164	MG/KG	T			0.000143	ND (0.00000275)										
PCB 167	MG/KG	T	0.38	MG/KG	0.0000505	ND (0.00000336)										
PCB 169	MG/KG	T	0.00038	MG/KG	0.00000316	ND (0.00000326)										
PCB 170	MG/KG	T			0.000759	0.0000014										
PCB 172	MG/KG	T			0.000135	ND (0.00000554)										
PCB 174	MG/KG	T			0.000836	0.00000145										
PCB 175	MG/KG	T			0.0000341	ND (0.00000535)										
PCB 176	MG/KG	T			0.0000876	ND (0.00000347)										
PCB 177	MG/KG	T			0.000461	ND (0.00000554)										
PCB 178	MG/KG	T			0.000162	ND (0.00000469)										
PCB 179	MG/KG	T			0.000359	0.00000885										
PCB 183	MG/KG	T			0.000443	0.00000814										
PCB 185	MG/KG	T			0.000103	ND (0.00000542)										
PCB 187	MG/KG	T			0.00109	0.00000205										
PCB 189	MG/KG	T	0.38	MG/KG	0.0000242	ND (0.00000345)										
PCB 19	MG/KG	T			0.0000311	0.00000803 EMPC										
PCB 190	MG/KG	T			0.000141	ND (0.00000435)										
PCB 191	MG/KG	T			0.0000303	ND (0.00000403)										
PCB 194	MG/KG	T			0.000493	0.00000197										
PCB 195	MG/KG	T			0.000183	ND (0.00000062)										
PCB 196	MG/KG	T			0.00024	ND (0.00000515)										
PCB 197	MG/KG	T			0.000164	ND (0.00000405)										
PCB 2	MG/KG	T			0.00000248	ND (0.00000447)										
PCB 200	MG/KG	T			0.0000601	ND (0.00000405)										
PCB 201	MG/KG	T			0.0000585	ND (0.00000399)										
PCB 202	MG/KG	T			0.000114	0.00000868										
PCB 203	MG/KG	T			0.000327	0.00000117										
PCB 205	MG/KG	T			0.0000212	ND (0.00000461)										
PCB 206	MG/KG	T			0.00163	0.0000337										
PCB 207	MG/KG	T			0.0000587	ND (0.00000062)										
PCB 208	MG/KG	T			0.000251	0.00000693										
PCB 209	MG/KG	T			0.00782	0.000146										

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**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB06	S01SB06	S01SB07	S01SB08	S01SB08	S01SB09	S01SB09	S01SB10	S01SB10	S01SB11	S01SB11	S01SB12
				Date	4/29/08	4/29/08	5/13/10	5/12/10	5/12/10	5/12/10	5/12/10	5/13/10	5/13/10	6/11/10	6/11/10	6/11/10
				Top (ft)	0	9.5	1	0	6	1	7	0	10.5	0	9.5	0
				Bottom (ft)	2	11.5	3	2	8	3	9	2	12.5	2	11.5	2
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 22	MG/KG	T			0.00000958 B	0.00000179 B										
PCB 25	MG/KG	T			0.00000216 B	ND (0.000000441)										
PCB 27	MG/KG	T			0.00000188	ND (0.000000461)										
PCB 3	MG/KG	T			0.00000055	ND (0.000000406)										
PCB 31	MG/KG	T			0.0000245 B	0.00000433 B										
PCB 32	MG/KG	T			0.00000803 B	0.00000172 B										
PCB 35	MG/KG	T			0.00000173	ND (0.000000478)										
PCB 37	MG/KG	T			0.0000241	0.00000115										
PCB 41	MG/KG	T			0.00000358	ND (0.000000435)										
PCB 42	MG/KG	T			0.0000173	ND (0.000000391)										
PCB 43	MG/KG	T			ND (0.000000359)	ND (0.000000466)										
PCB 45	MG/KG	T			0.0000196	ND (0.000000461)										
PCB 46	MG/KG	T			0.0000065	ND (0.000000434)										
PCB 48	MG/KG	T			0.00000635	ND (0.000000374)										
PCB 5	MG/KG	T			ND (0.000000352)	ND (0.000000445)										
PCB 51	MG/KG	T			0.00000258 EMPC	ND (0.000000316)										
PCB 52	MG/KG	T			0.000112	0.00000386 B										
PCB 54	MG/KG	T			0.000000607	ND (0.000000307)										
PCB 56	MG/KG	T			0.0000289	0.000000625 B										
PCB 60	MG/KG	T			0.0000123	ND (0.000000383)										
PCB 63	MG/KG	T			0.00000174	ND (0.000000362)										
PCB 64	MG/KG	T			0.0000505	0.00000112 B										
PCB 66	MG/KG	T			0.0000569	0.0000012 B										
PCB 67	MG/KG	T			0.00000145	ND (0.000000373)										
PCB 68	MG/KG	T			0.000000472	ND (0.000000374)										
PCB 7	MG/KG	T			0.000000612	ND (0.000000415)										
PCB 72	MG/KG	T			0.00000077	ND (0.000000389)										
PCB 77	MG/KG	T	0.11	MG/KG	0.0000205	ND (0.000000389)										
PCB 82	MG/KG	T			0.0000362	ND (0.00000052)										
PCB 83	MG/KG	T			0.000029	ND (0.000000566)										
PCB 84	MG/KG	T			0.000124	ND (0.000000494)										
PCB 89	MG/KG	T			0.00000391	ND (0.000000462)										
PCB 9	MG/KG	T			0.0000011	0.0000011										
PCB 91	MG/KG	T			0.0000607	ND (0.00000039)										
PCB 92	MG/KG	T			0.0000543	ND (0.000000437)										
PCB 95	MG/KG	T			0.000467	0.00000292 B										
PCB 96	MG/KG	T			0.00000512	ND (0.000000281)										
PCB 99	MG/KG	T			0.0000965	0.00000103 EMPC										
PCB-100/93	MG/KG	T			0.00000248 EMPC	ND (0.000000434)										
PCB-107/124	MG/KG	T			0.0000126	ND (0.000000323)										
PCB-108/119/86/97/125/87	MG/KG	T			0.000165	ND (0.000000379)										
PCB-113/90/101	MG/KG	T			0.000253	0.00000362 B										
PCB-116/85	MG/KG	T			0.0000541	ND (0.000000367)										
PCB-128/166	MG/KG	T			0.000235	ND (0.000000368)										
PCB-13/12	MG/KG	T			ND (0.000000336)	ND (0.000000424)										
PCB-139/140	MG/KG	T			0.0000172	ND (0.000000341)										
PCB-147/149	MG/KG	T			0.00146	0.00000409 B										
PCB-151/135	MG/KG	T			0.000618	0.00000149 EMPC										
PCB-153/168	MG/KG	T			0.000979	0.00000363 B										
PCB-156/157	MG/KG	T			0.0000956	ND (0.000000445)										
PCB-163/138/129	MG/KG	T			0.00142	0.00000525 B										
PCB-171/173	MG/KG	T			0.000234	ND (0.000000571)										
PCB-180/193	MG/KG	T			0.00169	0.00000347										
PCB-198/199	MG/KG	T			0.000613	0.00000388										
PCB-21/33	MG/KG	T			0.0000143 B	0.00000268 B										
PCB-26/29	MG/KG	T			0.00000409 B	0.000000871 B										
PCB-28/20	MG/KG	T			0.0000305 B	0.00000051 B										
PCB-44/47/65	MG/KG	T			0.0000638	0.00000354 B										
PCB-50/53	MG/KG	T			0.0000157	ND (0.000000352)										
PCB-59/62/75	MG/KG	T			0.0000114	ND (0.00000027)										

EPA\_SL\_IndSoil\_05/11  
 < and ND = Non detect at stated reporting limit

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB06	S01SB06	S01SB07	S01SB08	S01SB08	S01SB09	S01SB09	S01SB10	S01SB10	S01SB11	S01SB11	S01SB12													
				Date	4/29/08	4/29/08	5/13/10	5/12/10	5/12/10	5/12/10	5/12/10	5/12/10	5/13/10	5/13/10	6/11/10	6/11/10	6/11/10												
				Top (ft)	0	9.5	1	0	6	1	7	0	10.5	0	9.5	0													
				Bottom (ft)	2	11.5	3	2	8	3	9	2	12.5	2	11.5	2													
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS													
PCB-61770/74/76	MG/KG	T			0.000106	0.0000332	B																						
PCB-69/49	MG/KG	T			0.0000304	0.0000177	B																						
PCB-71/40	MG/KG	T			0.000033	0.0000141	B																						
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00659	0.0000101																							
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0067	0.0000169	B																						
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000998	ND (0.00000702)																							
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00194	0.0000407																							
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00213	0.00000789																							
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0025	EMPC	0.0000148	B																					
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000602	EMPC	0.0000169	B																					
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000151	B	0.0000314	B																					
ALUMINIUM	MG/KG	T	990000	MG/KG	17200	18400	11200	45700	10700	8100	12000	16700	16600	14500	14800	14800													
ANTIMONY	MG/KG	T	410	MG/KG	1.62	J	ND (1.09)	UJ	ND (1.06)	ND (1.21)	ND (1.15)	ND (1.07)	ND (1.14)	ND (1.07)	ND (1.17)	ND (1.04)	UJ	ND (1.18)	UJ	ND (1.12)	UJ								
ARSENIC	MG/KG	T	11	MG/KG	0.528	J	^3.04	J	^2.02	J	^6.73	1.55	J	1.14	J	^7.39	^3.06	^6.84	^2.55	^3.7	^3.19								
BARIUM	MG/KG	T	190000	MG/KG	90.1	57.5	30.3	81.1	30.8	56	47.9	62.3	53.5	70.4	67.3	44													
BERYLLIUM	MG/KG	T	2000	MG/KG	ND (0.0778)	ND (0.0818)	0.466	J	1.2	1.96	1.22	0.804	0.583	0.89	0.575	0.526	J	0.442	J										
CADMIUM	MG/KG	T	800	MG/KG	0.901	0.337	J	0.238	J	0.309	J	0.512	J	0.487	J	0.411	J	0.297	J	0.264	J	0.886	1.11	0.866					
CALCIUM	MG/KG	T			2040	325	901	670	J	729	J	236	J	252	J	557	223	1020	1610	684									
CHROMIUM	MG/KG	T			71.9	40.2	9.17	52.4	45.8	44.2	17	23.5	25.8	29.9	J	36.4	J	24	J										
COBALT	MG/KG	T	300	MG/KG	4.88	2.69	2.89	5.26	1.84	2.69	1.7	4.75	4.39	3.34	4.76	3.77	3.22												
COPPER	MG/KG	T	41000	MG/KG	7500	633	9.13	853	637	5390	^93500	81.7	4870	33.6	375	10.2													
IRON	MG/KG	T	720000	MG/KG	30300	21600	12200	46800	35700	18300	10300	17300	20300	18100	24100	18500													
LEAD	MG/KG	T	800	MG/KG	77.9	J	43.7	J	42.3	27.6	J	176	J	80.1	J	150	J	23.7	80.8	75.9	143	10.4							
MAGNESIUM	MG/KG	T			1790	1710	504	2020	419	547	1230	1230	1610	1310	1650	1590													
MANGANESE	MG/KG	T	23000	MG/KG	327	87.5	130	110	J	47.1	J	139	J	56.5	J	129	72.8	228	J	67.2	J	103	J						
MERCURY	MG/KG	T	43	MG/KG	0.537	0.0723	J	ND (0.0125)	0.836	0.142	0.185	0.259	0.0309	J	0.0357	J	0.0539	J	0.135	ND (0.0126)									
NICKEL	MG/KG	T	20000	MG/KG	24.4	11.4	7.79	18.9	6.12	6.15	14.2	9.39	10.1	15.8	J	12.2	J	8.55	J										
POTASSIUM	MG/KG	T			1210	J	1330	J	383	J	1490	J	394	J	423	J	832	J	789	J	1230	J	660	J	1010	J	808	J	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.12)	ND (1.18)	ND (1.04)	ND (1.18)	ND (1.12)	ND (1.04)	ND (1.11)	ND (1.05)	1.56	J															
SILVER	MG/KG	T	5100	MG/KG	2	0.69	ND (0.191)	0.29	J	ND (0.207)	ND (1.92)	2.15	ND (0.192)	ND (0.211)															
SODIUM	MG/KG	T			76.1	J	44.5	J	ND (45)	ND (42.8)	ND (39.8)	44.9	J	ND (219)	45.8	J	213	52.2	J										
THALLIUM	MG/KG	T	10	MG/KG	ND (0.168)	0.199	J	ND (1.54)	1.82	J	ND (1.66)	ND (1.55)	ND (1.65)	ND (1.55)	ND (1.7)														
TITANIUM	MG/KG	T			3780	2960	366	1420	J	2170	J	3340	J	523	J	947	647												
VANADIUM	MG/KG	T			864	855	17.1	960	2430	1470	188	146	758	40.6	100	35.2													
ZINC	MG/KG	T	310000	MG/KG	130	40.4	90.5	38.2	19.2	11.9	8.35	J	25.7	27.6	37.6	40.5	24.5												
TOTAL ORGANIC CARBON	MG/KG	T			4440	1340																							
HPCDFS	MG/KG	T			0.0000658	0.000015																							

EPA\_SL\_IndSoil\_05/11  
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**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB12
				Date	6/11/10
				Top (ft)	8
				Bottom (ft)	10
				Duplicate	FS
2-HEXANONE	MG/KG	T	1400	MG/KG	ND (0.003)
ACETONE	MG/KG	T	630000	MG/KG	0.078
BENZENE	MG/KG	T	5.4	MG/KG	ND (0.0005)
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	0.004 J
CHLOROFORM	MG/KG	T	1.5	MG/KG	0.007
ETHYL CHLORIDE	MG/KG	T	61000	MG/KG	ND (0.002)
ETHYLBENZENE	MG/KG	T	27	MG/KG	ND (0.001)
METHYL CHLORIDE	MG/KG	T	500	MG/KG	ND (0.002)
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	0.01
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	0.013
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	0.001 J
TOLUENE	MG/KG	T	45000	MG/KG	ND (0.001)
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)
XYLENES	MG/KG	T	2700	MG/KG	ND (0.001)
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.039)
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.039)
ACENAPHTHYLENE	MG/KG	T			ND (0.039)
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.039)
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.039)
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.039)
BENZO(G,H,I)PERYLENE	MG/KG	T			ND (0.039)
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.039)
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.039)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.079)
CARBAZOLE	MG/KG	T			ND (0.039)
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.039)
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.039)
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.039)
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.044 J
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.039)
HEXACHLOROENZENE	MG/KG	T	1.1	MG/KG	0.041 J
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.039)
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.039)
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.039)
PHENANTHRENE	MG/KG	T			ND (0.039)
PYRENE	MG/KG	T	17000	MG/KG	ND (0.039)
1,2,3,4,6,7,8-HPCDD	MG/KG	T			
1,2,3,4,6,7,8-HPCDF	MG/KG	T			
1,2,3,4,7,8,9-HPCDF	MG/KG	T			
1,2,3,4,7,8-HXCDD	MG/KG	T			
1,2,3,4,7,8-HXCDF	MG/KG	T			
1,2,3,6,7,8-HXCDD	MG/KG	T			
1,2,3,6,7,8-HXCDF	MG/KG	T			
1,2,3,7,8,9-HXCDD	MG/KG	T			
1,2,3,7,8,9-HXCDF	MG/KG	T			
1,2,3,7,8-PECDD	MG/KG	T			
1,2,3,7,8-PECDF	MG/KG	T			
2,3,4,6,7,8-HXCDF	MG/KG	T			
2,3,4,7,8-PECDF	MG/KG	T			
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	
2,3,7,8-TCDF	MG/KG	T			
HPCDDS	MG/KG	T			
HXCDDS	MG/KG	T			
HXCDFS	MG/KG	T			
OCDD	MG/KG	T			
OCDF	MG/KG	T			
TCDDS	MG/KG	T			
TCDFS	MG/KG	T			
TOTAL PECDDS	MG/KG	T			
TOTAL PECDFS	MG/KG	T			

EPA\_SL\_IndSoil\_05/11

< and ND = Non detect at stated reporting limit

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB12
				Date	6/11/10
				Top (ft)	8
				Bottom (ft)	10
				Duplicate	FS
PCB 1	MG/KG	T			
PCB 102	MG/KG	T			
PCB 105	MG/KG	T	0.38	MG/KG	
PCB 106	MG/KG	T			
PCB 109	MG/KG	T			
PCB 110	MG/KG	T			
PCB 114	MG/KG	T	0.38	MG/KG	
PCB 117	MG/KG	T			
PCB 118	MG/KG	T	0.38	MG/KG	
PCB 122	MG/KG	T			
PCB 123	MG/KG	T	0.38	MG/KG	
PCB 126	MG/KG	T	0.00011	MG/KG	
PCB 130	MG/KG	T			
PCB 131	MG/KG	T			
PCB 132	MG/KG	T			
PCB 133	MG/KG	T			
PCB 134	MG/KG	T			
PCB 136	MG/KG	T			
PCB 137	MG/KG	T			
PCB 141	MG/KG	T			
PCB 144	MG/KG	T			
PCB 146	MG/KG	T			
PCB 15	MG/KG	T			
PCB 154	MG/KG	T			
PCB 158	MG/KG	T			
PCB 159	MG/KG	T			
PCB 16	MG/KG	T			
PCB 162	MG/KG	T			
PCB 164	MG/KG	T			
PCB 167	MG/KG	T	0.38	MG/KG	
PCB 169	MG/KG	T	0.00038	MG/KG	
PCB 170	MG/KG	T			
PCB 172	MG/KG	T			
PCB 174	MG/KG	T			
PCB 175	MG/KG	T			
PCB 176	MG/KG	T			
PCB 177	MG/KG	T			
PCB 178	MG/KG	T			
PCB 179	MG/KG	T			
PCB 183	MG/KG	T			
PCB 185	MG/KG	T			
PCB 187	MG/KG	T			
PCB 189	MG/KG	T	0.38	MG/KG	
PCB 19	MG/KG	T			
PCB 190	MG/KG	T			
PCB 191	MG/KG	T			
PCB 194	MG/KG	T			
PCB 195	MG/KG	T			
PCB 196	MG/KG	T			
PCB 197	MG/KG	T			
PCB 2	MG/KG	T			
PCB 200	MG/KG	T			
PCB 201	MG/KG	T			
PCB 202	MG/KG	T			
PCB 203	MG/KG	T			
PCB 205	MG/KG	T			
PCB 206	MG/KG	T			
PCB 207	MG/KG	T			
PCB 208	MG/KG	T			
PCB 209	MG/KG	T			

EPA\_SL\_IndSoil\_05/11

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**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB12
				Date	6/11/10
				Top (ft)	8
				Bottom (ft)	10
				Duplicate	FS
PCB 22	MG/KG	T			
PCB 25	MG/KG	T			
PCB 27	MG/KG	T			
PCB 3	MG/KG	T			
PCB 31	MG/KG	T			
PCB 32	MG/KG	T			
PCB 35	MG/KG	T			
PCB 37	MG/KG	T			
PCB 41	MG/KG	T			
PCB 42	MG/KG	T			
PCB 43	MG/KG	T			
PCB 45	MG/KG	T			
PCB 46	MG/KG	T			
PCB 48	MG/KG	T			
PCB 5	MG/KG	T			
PCB 51	MG/KG	T			
PCB 52	MG/KG	T			
PCB 54	MG/KG	T			
PCB 56	MG/KG	T			
PCB 60	MG/KG	T			
PCB 63	MG/KG	T			
PCB 64	MG/KG	T			
PCB 66	MG/KG	T			
PCB 67	MG/KG	T			
PCB 68	MG/KG	T			
PCB 7	MG/KG	T			
PCB 72	MG/KG	T			
PCB 77	MG/KG	T	0.11	MG/KG	
PCB 82	MG/KG	T			
PCB 83	MG/KG	T			
PCB 84	MG/KG	T			
PCB 89	MG/KG	T			
PCB 9	MG/KG	T			
PCB 91	MG/KG	T			
PCB 92	MG/KG	T			
PCB 95	MG/KG	T			
PCB 96	MG/KG	T			
PCB 99	MG/KG	T			
PCB-100/93	MG/KG	T			
PCB-107/124	MG/KG	T			
PCB-108/119/86/97/125/87	MG/KG	T			
PCB-113/90/101	MG/KG	T			
PCB-116/85	MG/KG	T			
PCB-128/166	MG/KG	T			
PCB-13/12	MG/KG	T			
PCB-139/140	MG/KG	T			
PCB-147/149	MG/KG	T			
PCB-151/135	MG/KG	T			
PCB-153/168	MG/KG	T			
PCB-156/157	MG/KG	T			
PCB-163/138/129	MG/KG	T			
PCB-171/173	MG/KG	T			
PCB-180/193	MG/KG	T			
PCB-198/199	MG/KG	T			
PCB-21/33	MG/KG	T			
PCB-26/29	MG/KG	T			
PCB-28/20	MG/KG	T			
PCB-44/47/65	MG/KG	T			
PCB-50/53	MG/KG	T			
PCB-59/62/75	MG/KG	T			

EPA\_SL\_IndSoil\_05/11

< and ND = Non detect at stated reporting limit

**Table B2**  
**Summary of Analytical Results - SWMU 1&3**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S01SB12
				Date	6/11/10
				Top (ft)	8
				Bottom (ft)	10
				Duplicate	FS
PCB-61770/74/76	MG/KG	T			
PCB-69/49	MG/KG	T			
PCB-71/40	MG/KG	T			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
ALUMINIUM	MG/KG	T	990000	MG/KG	11700
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.16) UJ
ARSENIC	MG/KG	T	11	MG/KG	^3.26
BARIUM	MG/KG	T	190000	MG/KG	65.4
BERYLLIUM	MG/KG	T	2000	MG/KG	0.348 J
CADMIUM	MG/KG	T	800	MG/KG	1.16
CALCIUM	MG/KG	T			777
CHROMIUM	MG/KG	T			47.6 J
COBALT	MG/KG	T	300	MG/KG	3.28
COPPER	MG/KG	T	41000	MG/KG	31.4
IRON	MG/KG	T	720000	MG/KG	25300
LEAD	MG/KG	T	800	MG/KG	81.7
MAGNESIUM	MG/KG	T			1710
MANGANESE	MG/KG	T	23000	MG/KG	79.1 J
MERCURY	MG/KG	T	43	MG/KG	0.0552 J
NICKEL	MG/KG	T	20000	MG/KG	10.4 J
POTASSIUM	MG/KG	T			1040 J
SELENIUM	MG/KG	T	5100	MG/KG	
SILVER	MG/KG	T	5100	MG/KG	
SODIUM	MG/KG	T			150
THALLIUM	MG/KG	T	10	MG/KG	
TITANIUM	MG/KG	T			
VANADIUM	MG/KG	T			44.7
ZINC	MG/KG	T	310000	MG/KG	28.2
TOTAL ORGANIC CARBON	MG/KG	T			
HPCDFS	MG/KG	T			

EPA\_SL\_IndSoil\_05/11  
 < and ND = Non detect at stated reporting limit



**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB01	S04SB02	S04SB03	S04SB03	S04SB04	S04SB04	S04SB05	S04SB05	S04SB06	
				Date	5/2/08	5/2/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/2/08
				Top (ft)	2	1	2	4	1.5	1.5	1.5	3.5	1	
				Bottom (ft)	4	3	4	6	3.5	3.5	3.5	5.5	3	
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	
ACETONE	MG/KG	T	630000	MG/KG	ND (0.007)	ND (0.008)	0.024	0.008 J	ND (0.006)	ND (0.007)	0.022	0.008 J	0.015 J	
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.0009)	ND (0.0009)	0.001 J	0.002 J	ND (0.0009)	
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	110	
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	7.8	
ACENAPHTHYLENE	MG/KG	T		MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	2 J	
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	4.4 J	
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	1.1 J	
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	0.046 J	ND (0.038)	1.1 J	
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	0.46 J	
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	0.4 J	
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	0.57 J	
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	0.16 J	ND (0.082)	2.2	0.11 J	0.23 J	0.093 J	0.12 J	0.23 J	ND (0.72)	
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.077)	ND (0.082)	ND (0.076)	0.099 J	0.16 J	0.16 J	0.15 J	0.49	ND (0.72)	
CARBAZOLE	MG/KG	T		MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	2.8 J	
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	1.2 J	
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	7.2	
DI-N-BUTYL PHTHALATE	MG/KG	T	62000	MG/KG	ND (0.077)	ND (0.082)	ND (0.076)	ND (0.073)	ND (0.075)	ND (0.075)	ND (0.077)	0.089 J	ND (0.72)	
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	5.5 J	
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	14	
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	ND (0.36)	
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	0.46 J	
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	15	
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.038)	15	
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	0.042 J	ND (0.038)	34	
PYRENE	MG/KG	T	17000	MG/KG	ND (0.038)	ND (0.041)	ND (0.038)	ND (0.037)	ND (0.038)	ND (0.038)	0.058 J	ND (0.038)	6.3 J	
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000078 J	0.0000196 J	0.0000451	0.0000171	0.000103	0.000136	0.000211	0.000049	0.0000669	
1,2,3,4,6,7,8-HPCDF	MG/KG	T			ND (0.000000205)	0.000000308 J	0.0000135	0.00000237 J	0.00000229 J	ND (0.000000418)	0.0000535	0.000000882 J	0.0000118	
1,2,3,4,7,8,9-HPCDF	MG/KG	T			ND (0.000000279)	ND (0.000000178)	0.0000065	0.00000116 J	0.00000081 J	ND (0.000000559)	0.00000873	0.000000237 J	0.00000365	
1,2,3,4,7,8-HXCDD	MG/KG	T			ND (0.000000239)	ND (0.000000307)	ND (0.000000307)	ND (0.000000329)	0.00000114 J	0.00000015 EMPC J	0.00000155 J	0.000000819 J	0.000000667 EMPC J	
1,2,3,4,7,8-HXCDF	MG/KG	T			ND (0.000000138)	ND (0.000000116)	0.00000422	0.00000062 J	0.000000454 EMPC J	ND (0.000000461)	0.00000693	ND (0.00000022) UJ	0.00000338	
1,2,3,6,7,8-HXCDD	MG/KG	T			ND (0.000000234)	ND (0.000000328)	0.000000822 EMPC J	ND (0.000000353)	0.00000017 J	0.000000273 EMPC	0.00000273	0.0000017 J	0.00000164 EMPC J	
1,2,3,6,7,8-HXCDF	MG/KG	T			ND (0.000000111)	ND (0.0000000943)	0.00000112 J	ND (0.000000246) UJ	ND (0.000000237) UJ	ND (0.000000436)	0.00000391	ND (0.00000022) UJ	0.00000118 EMPC J	
1,2,3,7,8,9-HXCDD	MG/KG	T			ND (0.000000255)	ND (0.000000334)	0.00000119 J	0.000000812 EMPC J	0.00000231 J	0.000000383	0.00000268	0.000000243	0.000000194 EMPC J	
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000000184)	ND (0.000000154)	0.00000147 J	ND (0.000000246) UJ	ND (0.000000313)	ND (0.000000691)	0.00000188 J	ND (0.00000022) UJ	ND (0.00000138)	
1,2,3,7,8-PECDD	MG/KG	T			ND (0.000000264)	ND (0.000000279)	ND (0.000000251)	ND (0.000000252)	0.000000319 EMPC J	0.000000531 EMPC J	0.000000858 EMPC J	0.0000004	ND (0.000000761)	
1,2,3,7,8-PECDF	MG/KG	T			ND (0.000000255)	ND (0.000000016)	0.00000203 J	ND (0.000000191)	ND (0.000000308)	ND (0.000000576)	0.00000248	ND (0.00000022) UJ	0.000001 J	
2,3,4,6,7,8-HXCDF	MG/KG	T			ND (0.000000134)	ND (0.000000113)	0.00000152 J	ND (0.000000246) UJ	ND (0.000000238 J	ND (0.000000458)	0.00000414	ND (0.00000022) UJ	0.00000121 J	
2,3,4,7,8-PECDF	MG/KG	T			ND (0.000000221)	ND (0.000000133)	0.00000129 J	ND (0.000000172)	ND (0.000000271)	ND (0.000000472)	0.00000352	ND (0.00000022) UJ	0.000000737 EMPC J	
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000154)	ND (0.000000125)	0.000000197 J	ND (0.000000233)	ND (0.000000182)	ND (0.000000053)	0.000000812 EMPC	0.000000969 J	ND (0.000000413)	
2,3,7,8-TCDF	MG/KG	T			ND (0.000000095)	ND (0.0000000935)	0.00000672	0.000000857	0.000000114 EMPC J	ND (0.000000488)	0.00000203	0.0000000961 EMPC J	0.000000553 EMPC	
HPCDDs	MG/KG	T			0.00000177	0.00000578	0.000124	0.000052	0.000347	0.000427	0.000513	0.000114	0.000176	
HXCDDs	MG/KG	T			0.000000251 EMPC	0.00000697	0.000038 EMPC	0.0000457 EMPC	0.000117 EMPC	0.000141 EMPC	0.000105	0.0000491	0.0000733 EMPC	
HXCDFs	MG/KG	T			ND (0.000000138)	ND (0.000000116)	0.0000142 EMPC	0.00000209 EMPC	0.00000217 EMPC	ND (0.00000005)	0.0000461	0.00000122 EMPC	0.0000126 EMPC	
OCDD	MG/KG	T			0.0000119	0.0000687	0.00213	0.000851	0.00395	0.0062	0.0187 J	0.00111	0.00277	
OCDF	MG/KG	T			0.00000118 J	0.00000353 J	0.000304	0.0000576	0.0000336	ND (0.00000128)	0.000295	0.00000572	0.000201	
TCDDs	MG/KG	T			ND (0.000000154)	0.00000241	0.00000619 EMPC	0.0000185	0.00000106	ND (0.00000053)	0.0000104 EMPC	0.00000166 EMPC	0.00000272 EMPC	
TCDFs	MG/KG	T			ND (0.0000000935)	ND (0.0000000935)	0.0000206 EMPC	0.00000171 EMPC	0.000000847 EMPC	ND (0.000000488)	0.0000333 EMPC	0.000000798 EMPC	0.000000954 EMPC	
TOTAL PECDDs	MG/KG	T			ND (0.000000264)	0.00000102	0.00000769 EMPC	0.0000199	0.0000112 EMPC	0.0000155 EMPC	0.0000186 EMPC	0.00000996 EMPC	0.0000152	
TOTAL PECDFs	MG/KG	T			ND (0.000000237)	ND (0.000000146)	0.0000108 EMPC	ND (0.000000181)	ND (0.000000289)	ND (0.000000522)	0.0000354 EMPC	0.000000836 EMPC	0.000000845 EMPC	
PCB 1	MG/KG	T			ND (0.000000129)	ND (0.000000392)	0.0000116	0.00000075	ND (0.000000245)	ND (0.000000036)	0.0000137	0.0000187 EMPC	0.00000978	
PCB 10	MG/KG	T			ND (0.000000028)	ND (0.000000162)	0.00000125	ND (0.000000252)	ND (0.000000189)	ND (0.000000157)	0.00000119	0.00000402	0.00000607	
PCB 102	MG/KG	T			ND (0.000000195)	ND (0.000000197)	0.0000348	0.00000298	0.00000143	ND (0.000000219)	0.0000122	0.00000498	0.00000582	
PCB 103	MG/KG	T			ND (0.000000193)	ND (0.000000194)	ND (0.000000131)	0.00000183	ND (0.000000192)	ND (0.000000211)	0.0000048	ND (0.000000283)	0.0000013	
PCB 105	MG/KG	T	0.38	MG/KG	0.000000996	0.00000121	0.000656	0.0000503	0.0000141	0.000000786 J	0.000303	0.0000363	0.0000612	
PCB 109	MG/KG	T			ND (0.000000149)	ND (0.000000149)	0.000107	0.00000751	0.000002	ND (0.000000161)	0.0000637	0.00000741	0.0000138	
PCB 11	MG/KG	T			0.0000158 B	0.0000145 B	0.000101	0.0000846	0.0000104 B	0.0000223	0.0000125 B	0.000173	0.0000117 B	
PCB 110	MG/KG	T			0.00000588	0.00000518	0.00485	0.000311	0.0000857	0.00000425	0.000999	0.000116	0.000301	
PCB 111	MG/KG	T			ND (0.000000153)	ND (0.000000154)	0.00000117 EMPC	ND (0.000000145)	ND (0.000000147)	ND (0.000000162)	0.000000935 EMPC	ND (0.000000217)	ND (0.000000132)	
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.00000015)	ND (0.000000156)	ND (0.000000107)	ND (0.000000148)	ND (0.000000148)	ND (0.00000016)	0.0000142	0.00000287	0.00000346	
PCB 117	MG/KG	T			ND (0.000000164)	ND (0.000000165)	0.0000235 EMPC	ND (0.000000155)	0.000000763	ND (0.000000177)	ND (0.000000123)	ND (0.000000238)	0.00000308 EMPC	
PCB 118	MG/KG	T	0.38	MG/KG	0.00000197 EMPC	0.00000237	0.00211	0.000149	0.0000347	0.00000195	0.0000784	0.0000826	0.000172	
PCB 120	MG/KG	T			ND (0.000000152)	ND (0.000000153)	0.00000913	ND (0.000000144)	ND (0.000000148)	ND (0.000000163)	0.00000478	ND (0.000000219)	0.00000114	

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location											
				Date	S04SB01	S04SB02	S04SB03	S04SB03	S04SB04	S04SB04	S04SB05	S04SB05	S04SB06		
				Top (ft)	2	1	2	4	1.5	1.5	1.5	3.5	1		
				Bottom (ft)	4	3	4	6	3.5	3.5	3.5	5.5	3		
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS					
PCB 122	MG/KG	T		ND (0.000000164)	ND (0.000000171)	0.0000164	0.00000127	ND (0.000000162)	ND (0.000000176)	0.00000746	0.00000137	0.00000212			
PCB 123	MG/KG	T	0.38	MG/KG	ND (0.000000161)	ND (0.000000161)	ND (0.000000109)	ND (0.000000152)	0.000000944 J	ND (0.000000171)	0.0000151	0.00000193	0.00000269 EMPC		
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.000000148)	ND (0.000000126)	0.00000412 EMPC	ND (0.000000287)	ND (0.000000168)	0.0000126	ND (0.00000027)	0.0000015			
PCB 130	MG/KG	T			ND (0.000000163)	0.000000573 EMPC	0.000687	0.0000411	0.00000928	ND (0.0000002)	0.000141	0.00000477	0.0000279		
PCB 131	MG/KG	T			0.000000166	ND (0.00000016)	0.000128	0.00000784	0.00000206	ND (0.000000203)	0.0000185	ND (0.000000233)	0.00000538		
PCB 132	MG/KG	T			0.00000348	0.00000276	0.00604	0.000333	0.0000752	0.0000022	0.000652	0.0000231	0.000177		
PCB 133	MG/KG	T			ND (0.000000152)	ND (0.00000015)	0.000235	0.0000118	0.00000261	ND (0.000000187)	0.0000382	ND (0.000000215)	0.00000689		
PCB 134	MG/KG	T			ND (0.000000175)	ND (0.000000173)	0.00093	0.0000526	0.0000114	ND (0.000000222)	0.000106	0.00000416	0.0000298		
PCB 136	MG/KG	T			0.00000126	0.00000095	0.00403	0.000188	0.0000427	0.00000798 EMPC	0.000244	0.00000851	0.0000706		
PCB 137	MG/KG	T			ND (0.000000143)	ND (0.000000141)	0.000176	0.000015	0.00000398	ND (0.000000179)	0.0000537	0.00000291 EMPC	0.000012		
PCB 141	MG/KG	T			0.00000105	0.00000139	0.00592	0.00034	0.0000556	0.00000109	0.000553	0.0000121	0.000117		
PCB 144	MG/KG	T			ND (0.000000143)	ND (0.000000141)	0.0014	0.0000735	0.0000164	0.000000388	0.000101	0.00000282	0.0000291		
PCB 146	MG/KG	T			0.000000871	0.00000118	0.00301	0.000163	0.0000314	0.000000772 EMPC	0.000399	0.00000987	0.000074		
PCB 148	MG/KG	T			ND (0.000000149)	ND (0.000000147)	0.00000878	ND (0.000000179)	ND (0.000000125)	ND (0.000000184)	ND (0.000000116)	ND (0.000000211)	0.00000492		
PCB 15	MG/KG	T			ND (0.000000399)	ND (0.000000255)	0.0000402	0.00000446	0.00000244	ND (0.000000298)	0.0000435	0.00000978	0.0000375		
PCB 150	MG/KG	T			ND (0.000000113)	ND (0.000000113)	0.0000027	ND (0.000000143)	ND (0.0000000965)	ND (0.000000129)	ND (0.0000000948)	ND (0.000000193)	ND (0.0000000749)		
PCB 152	MG/KG	T			ND (0.00000011)	ND (0.00000011)	0.0000026	ND (0.000000139)	ND (0.0000000919)	ND (0.000000123)	ND (0.0000000903)	ND (0.000000184)	ND (0.0000000713)		
PCB 154	MG/KG	T			ND (0.000000128)	ND (0.000000127)	0.000107	0.00000429	ND (0.000000108)	ND (0.000000159)	0.0000203	ND (0.000000183)	0.00000364		
PCB 158	MG/KG	T			0.000000905	0.000000878	0.00167	0.000101	0.0000192	0.000000506	0.000231	0.00000717	0.0000515		
PCB 159	MG/KG	T			ND (0.000000169)	ND (0.00000015)	0.000448	0.0000237	0.00000448	ND (0.000000214)	0.0000298	ND (0.000000315)	0.00000766		
PCB 16	MG/KG	T			ND (0.000000268)	ND (0.000000251)	0.0000229	0.00000171	0.000000614 EMPC	ND (0.000000233)	0.0000286	0.00023	0.0000244		
PCB 162	MG/KG	T			ND (0.000000162)	ND (0.000000144)	ND (0.00000118)	ND (0.000000422)	0.000000365	ND (0.000000209)	0.00000932	ND (0.000000307)	0.00000164		
PCB 164	MG/KG	T			ND (0.000000114)	0.000000076	0.00142	0.0000819	0.000018	0.000000377 EMPC	0.000195	0.00000504	0.0000438		
PCB 167	MG/KG	T	0.38	MG/KG	ND (0.000000171)	0.000000292 EMPCJ	0.000455	0.0000294	0.00000064	ND (0.000000224)	0.000109	0.00000273	0.0000199		
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.000000185)	ND (0.00000015)	0.0000496	ND (0.00000045)	0.000000865 J	ND (0.000000228)	0.00000896	ND (0.000000327)	0.00000162		
PCB 17	MG/KG	T			ND (0.000000226)	0.000000402	0.00000208	0.00000189	0.000000806	0.000000428	0.0000284	0.000199	0.0000253		
PCB 170	MG/KG	T			0.000000275	0.000000356	0.0093	0.000562	0.000108	0.00000189	0.00117	0.0000153	0.000223		
PCB 172	MG/KG	T			ND (0.000000233)	0.000000728 EMPC	0.0016	0.000101	0.0000204	ND (0.000000276)	0.000227	0.00000273	0.0000367		
PCB 174	MG/KG	T			0.00000349	0.00000414	0.0116	0.00062	0.000124	0.00000233	0.00128	0.0000149	0.000217		
PCB 175	MG/KG	T			ND (0.000000223)	ND (0.000000181)	0.000431	0.0000255	0.00000471	ND (0.000000255)	0.0000428	0.000000599	0.00000822		
PCB 176	MG/KG	T			ND (0.000000131)	0.000000501	0.00166	0.0000836	0.000016	0.000000252 EMPC	0.000116	0.0000022	0.000026		
PCB 177	MG/KG	T			0.00000175	0.00000205	0.00635	0.000353	0.0000671	0.00000112	0.000694	0.00000801	0.000123		
PCB 178	MG/KG	T			ND (0.000000183)	0.000000907	0.00257	0.000133	0.0000243	0.000000436	0.000278	0.0000038	0.0000432		
PCB 179	MG/KG	T			0.00000137	0.00000192	0.00601	0.000296	0.0000566	0.00000103	0.000463	0.0000069	0.0000893		
PCB 181	MG/KG	T			ND (0.000000217)	ND (0.000000176)	ND (0.00000181)	ND (0.000000467)	ND (0.000000221)	ND (0.000000252)	ND (0.000000531)	ND (0.000000433)	0.00000122		
PCB 183	MG/KG	T			0.00000175	0.00000245	0.0059	0.000337	0.0000649	0.00000115	0.000719	0.00000886	0.000132		
PCB 184	MG/KG	T			ND (0.000000143)	ND (0.000000145)	ND (0.0000000907)	ND (0.000000157)	ND (0.0000000931)	ND (0.000000154)	0.00000147 EMPC	ND (0.000000227)	ND (0.0000000916)		
PCB 185	MG/KG	T			ND (0.000000234)	ND (0.000000189)	0.00136	0.0000738	0.0000175	ND (0.000000262)	0.000098 EMPC	0.00000169 EMPC	0.0000169		
PCB 187	MG/KG	T			0.00000376	0.00000732	0.014	0.000755	0.000151	0.00000026	0.00177	0.0000209	0.000292		
PCB 188	MG/KG	T			ND (0.000000123)	ND (0.000000125)	ND (0.000000078)	ND (0.000000135)	ND (0.0000000806)	0.00000356	ND (0.000000196)	0.00000391	0.00000391		
PCB 189	MG/KG	T	0.38	MG/KG	ND (0.000000143)	ND (0.000000139)	0.000283	0.0000175	0.00000333	ND (0.000000177)	0.0000465	0.000000855 J	0.00000842		
PCB 19	MG/KG	T			ND (0.000000223)	ND (0.000000209)	0.00000805	0.000000508	0.000000211	ND (0.000000193)	0.00000667	0.0000357	0.00000849		
PCB 190	MG/KG	T			0.000000439 EMPC	ND (0.000000131)	0.00183	0.000111	0.0000206	ND (0.000000187)	0.000214	0.00000325	0.0000427		
PCB 191	MG/KG	T			ND (0.00000017)	ND (0.000000138)	0.000358	0.000022	0.00000443	ND (0.000000198)	0.0000403	0.000000615	0.00000829		
PCB 194	MG/KG	T			0.00000145	0.00000352	0.00508	0.000316	0.0000594	0.00000103 EMPC	0.000739	0.0000114	0.000127		
PCB 195	MG/KG	T			ND (0.000000214)	0.00000103	0.00218	0.000133	0.0000252	ND (0.000000219)	0.000293	0.00000398	0.0000484		
PCB 196	MG/KG	T			0.00000074	0.00000183	0.00266	0.000175	0.00000327	0.000000541	0.000308	0.00000573	0.0000687		
PCB 197	MG/KG	T			ND (0.000000151)	ND (0.000000142)	0.00018	0.00000927 EMPC	0.00000228	ND (0.00000018)	0.0000268	ND (0.000000457)	0.00000521		
PCB 2	MG/KG	T			ND (0.000000134)	ND (0.000000126)	0.00000685	0.000000622	0.000000391	0.000000457 EMPC	0.00000785	0.00000381	0.0000066		
PCB 200	MG/KG	T			ND (0.000000151)	0.000000516	0.00073	0.0000433	0.00000866	ND (0.000000176)	0.0000948	ND (0.000000447)	0.0000164		
PCB 201	MG/KG	T			ND (0.000000149)	0.000000693	0.000676	0.000407	0.00000837	ND (0.000000175)	0.000103	0.00000196	0.0000175		
PCB 202	MG/KG	T			ND (0.000000154)	0.00000119	0.000878	0.0000528	0.0000109	ND (0.000000179)	0.000243	0.00000495	0.0000338		
PCB 203	MG/KG	T			0.00000103	0.00000306	0.00312	0.000208	0.0000385	0.000000693 EMPC	0.000503	0.0000116	0.000102		
PCB 204	MG/KG	T			ND (0.000000159)	ND (0.00000015)	ND (0.000000142)	ND (0.000000168)	ND (0.000000122)	ND (0.000000187)	0.00000103	ND (0.000000475)	ND (0.000000161)		
PCB 205	MG/KG	T			ND (0.000000156)	ND (0.000000154)	0.000236	0.0000151	0.00000286	ND (0.000000158)	0.0000333	ND (0.000000735)	0.00000603		
PCB 206	MG/KG	T			ND (0.000000486)	0.00000288	0.00113	0.0000819	0.0000187	ND (0.000000402)	0.000502	0.0000165	0.00014		
PCB 207	MG/KG	T			ND (0.000000333)	0.000000562 EMPC	0.000157	0.0000121	0.00000383	ND (0.000000295)	0.0000778	0.00000172	0.0000183		
PCB 208	MG/KG	T			ND (0.000000035)	0.000000999	0.000227	0.0000191	0.00000614	ND (0.000000311)	0.000176	0.00000663	0.0000494		
PCB 209	MG/KG	T			0.00000649	0.00000738	0.00124	0.000226	0.000105	0.00000342	0.00218	0.0000143	0.000792		
PCB 22	MG/KG	T			0.000000403 EMPC	0.000000502	0.0000398	0.00000429	0.00000141	0.000000377	0.0000379	0.000157	0.0000459		
PCB 24	MG/KG	T			ND (0.000000174)	ND (0.000000163)	0.00000114	ND (0.000000158)	ND (0.00000012)	ND (0.000000153)	0.000000814	0.00000743	0.00000093		
PCB 25	MG/KG	T			ND (0.000000186)	ND (0.000000152)	0.00000706	0.000000779	0.000000296 EMPC	ND (0.000000141)	0.00000658	0.0000295	0.00000971		

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< and ND = Non detect at stated reporting limit

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location											
				S04SB01		S04SB02		S04SB03		S04SB04		S04SB05		S04SB06	
				Date	5/2/08	5/2/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/1/08	5/2/08
				Top (ft)	2	1	2	4	1.5	1.5	1.5	3.5	3.5	3.5	1
Bottom (ft)	4	3	4	6	3.5	3.5	3.5	5.5	5.5	5.5	3				
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS				
PCB 27	MG/KG	T		ND (0.00000164)	ND (0.00000154)	0.00000535	0.00000369	0.00000177	EMPC	ND (0.00000144)	0.00000424	0.00000305	0.00000503		
PCB 3	MG/KG	T		ND (0.00000129)	ND (0.00000121)	0.0000154	0.00000126	0.00000131	0.00000646	EMPC	0.0000182	0.0000157	0.0000101		
PCB 31	MG/KG	T		0.000000943 B	0.00000102 B	0.000103	0.0000112	0.0000038	0.00000921 B	0.0000939	0.000337	0.000101	0.000101		
PCB 32	MG/KG	T		ND (0.0000016)	0.00000276	0.0000224	0.0000207	0.00000993	0.00000314	0.0000216	0.000144	0.000247	0.000247		
PCB 34	MG/KG	T		ND (0.00000204)	ND (0.00000167)	ND (0.00000174)	ND (0.00000184)	ND (0.00000139)	ND (0.0000015)	0.00000547	0.00000358	0.00000474	0.00000474		
PCB 35	MG/KG	T		0.000000676	ND (0.00000169)	0.00000288	0.00000697	0.00000279	ND (0.00000155)	0.00000421	0.0000045	0.00000367	0.00000367		
PCB 37	MG/KG	T		0.000000338	0.000000493	0.00000482	0.00000605	0.00000341	0.00000212	EMPC	0.0000643	0.000119	0.000057		
PCB 39	MG/KG	T		ND (0.00000192)	ND (0.00000157)	ND (0.00000164)	ND (0.00000173)	ND (0.00000133)	ND (0.00000143)	0.00000135	0.00000183	0.00000661	EMPC		
PCB 4	MG/KG	T		ND (0.000000396)	ND (0.000000229)	0.0000113	0.000000853	ND (0.000000271)	ND (0.000000225)	0.0000205	0.000088	0.0000104	0.0000104		
PCB 41	MG/KG	T		ND (0.000000242)	ND (0.000000202)	0.00000813	0.00000103	EMPC	0.000000333	ND (0.00000196)	0.0000142	0.0000213	0.00000841		
PCB 42	MG/KG	T		ND (0.000000211)	ND (0.00000177)	0.0000374	0.00000335	0.00000143	ND (0.00000171)	0.0000502	0.000069	0.0000234	0.0000234		
PCB 43	MG/KG	T		ND (0.000000237)	ND (0.00000198)	0.00000465	ND (0.00000022)	ND (0.00000139)	ND (0.00000205)	0.00000664	0.0000123	0.00000308	0.00000308		
PCB 45	MG/KG	T		ND (0.000000255)	ND (0.000000213)	0.0000231	0.00000205	0.00000106	ND (0.00000021)	0.0000291	0.0000502	0.0000194	0.0000194		
PCB 46	MG/KG	T		ND (0.000000239)	ND (0.00000199)	0.00000907	ND (0.000000222)	ND (0.0000013)	ND (0.00000191)	0.00000847	0.0000197	0.00000837	0.00000837		
PCB 48	MG/KG	T		ND (0.0000002)	ND (0.00000167)	0.0000199	0.0000022	0.00000655	EMPC	ND (0.00000163)	0.0000296	0.0000585	0.0000157		
PCB 5	MG/KG	T		ND (0.00000045)	ND (0.000000287)	0.00000352	ND (0.000000483)	ND (0.000000248)	ND (0.000000335)	0.00000172	0.00000588	0.00000143	0.00000143		
PCB 51	MG/KG	T		ND (0.000000172)	ND (0.000000144)	0.00000464	0.00000602	0.00000382	ND (0.000000137)	0.00000443	0.00000968	0.00000321	0.00000321		
PCB 52	MG/KG	T		0.00000172	0.00000111	EMPC	0.00000959	0.0000067	0.00000162	0.00000165	0.000322	0.000201	0.000106		
PCB 54	MG/KG	T		ND (0.000000107)	ND (0.000000087)	0.000000359	ND (0.000000953)	ND (0.000000768)	ND (0.000000977)	0.00000037	0.000000932	0.00000029	0.00000029		
PCB 55	MG/KG	T		ND (0.000000182)	ND (0.000000204)	ND (0.000000273)	ND (0.00000026)	ND (0.000000183)	ND (0.000000183)	ND (0.00000023)	0.00000306	ND (0.000000268)	ND (0.000000268)		
PCB 56	MG/KG	T		0.000000372	0.000000696	0.0000089	0.00000905	0.00000351	ND (0.00000175)	0.0000968	0.000114	0.0000449	0.0000449		
PCB 57	MG/KG	T		ND (0.000000197)	ND (0.00000197)	ND (0.000000263)	ND (0.000000251)	ND (0.00000175)	ND (0.00000175)	0.000000733	0.00000159	0.00000482	0.00000482		
PCB 58	MG/KG	T		ND (0.000000176)	ND (0.000000198)	ND (0.000000264)	ND (0.000000252)	ND (0.00000176)	ND (0.00000175)	ND (0.00000022)	0.00000659	EMPC	ND (0.000000257)		
PCB 6	MG/KG	T		ND (0.000000433)	ND (0.000000276)	0.00000721	ND (0.000000465)	0.000000242	ND (0.000000318)	0.00000876	0.0000392	0.00000878	0.00000878		
PCB 60	MG/KG	T		ND (0.000000177)	ND (0.000000199)	0.0000439	0.00000454	0.00000201	ND (0.000000178)	0.0000518	0.0000397	0.000026	0.000026		
PCB 63	MG/KG	T		ND (0.00000016)	ND (0.00000018)	0.00000674	ND (0.000000229)	ND (0.000000161)	ND (0.000000161)	0.00000715	0.00000957	0.00000335	0.00000335		
PCB 64	MG/KG	T		0.000000332	EMPC	0.000000539	0.00000954	0.0000093	0.00000036	0.000000358	0.0000812	0.0000998	0.0000372		
PCB 66	MG/KG	T		0.000000728	0.00000104	0.0000215	0.0000204	0.00000861	0.000000405	EMPC	0.000212	0.000207	0.0000958		
PCB 67	MG/KG	T		ND (0.00000016)	ND (0.00000018)	ND (0.000000229)	ND (0.000000163)	ND (0.000000163)	ND (0.000000163)	0.00000419	0.0000085	0.00000349	0.00000349		
PCB 68	MG/KG	T		ND (0.000000163)	ND (0.000000183)	ND (0.000000244)	ND (0.000000233)	ND (0.000000163)	ND (0.000000163)	0.00000206	0.00000101	EMPC	0.000000439		
PCB 7	MG/KG	T		ND (0.00000043)	ND (0.000000275)	0.00000159	ND (0.000000462)	ND (0.000000236)	ND (0.000000319)	0.00000201	0.00000753	0.00000123	0.00000123		
PCB 72	MG/KG	T		ND (0.000000168)	ND (0.000000189)	ND (0.000000252)	ND (0.000000241)	ND (0.000000166)	ND (0.000000166)	0.00000277	0.00000152	0.00000815	0.00000815		
PCB 77	MG/KG	T	0.11	ND (0.00000017)	0.000000545	J	0.0000228	0.00000286	0.00000229	ND (0.000000168)	0.0000527	0.000023	0.0000143		
PCB 78	MG/KG	T		ND (0.00000018)	ND (0.000000203)	ND (0.000000271)	ND (0.000000258)	ND (0.000000178)	ND (0.000000178)	0.00000559	EMPC	ND (0.000000308)	ND (0.000000261)		
PCB 79	MG/KG	T		ND (0.000000156)	ND (0.000000175)	0.000013	0.000000788	ND (0.000000153)	ND (0.000000153)	0.00000663	ND (0.000000264)	0.00000152	0.00000152		
PCB 8	MG/KG	T		ND (0.000000428)	ND (0.000000273)	0.0000412	0.00000383	0.0000014	0.00000012	0.0000445	0.000214	0.0000403	0.0000403		
PCB 80	MG/KG	T		ND (0.000000156)	ND (0.000000175)	ND (0.000000234)	ND (0.000000223)	ND (0.000000156)	ND (0.000000156)	0.00000322	ND (0.00000027)	ND (0.000000228)	ND (0.000000228)		
PCB 81	MG/KG	T	0.038	ND (0.000000175)	ND (0.000000196)	ND (0.000000262)	ND (0.00000025)	ND (0.000000173)	ND (0.000000172)	0.00000251	ND (0.000000298)	0.000000702	J		
PCB 82	MG/KG	T		ND (0.000000245)	ND (0.000000247)	0.000167	0.0000122	0.00000408	ND (0.000000264)	0.0000808	0.0000191	0.0000211	0.0000211		
PCB 83	MG/KG	T		ND (0.000000253)	ND (0.000000254)	0.000148	ND (0.000000239)	0.00000278	EMPC	ND (0.000000277)	0.000521	0.00000723	0.0000088		
PCB 84	MG/KG	T		0.00000135	0.000000923	EMPC	0.0000609	0.0000438	0.0000142	0.00000686	0.000158	0.0000346	0.0000632		
PCB 89	MG/KG	T		ND (0.000000224)	ND (0.000000225)	0.0000104	ND (0.000000212)	ND (0.000000216)	ND (0.000000238)	ND (0.000000165)	0.00000302	0.00000242	0.00000242		
PCB 9	MG/KG	T		0.00000311	B	0.00000264	B	0.00000733	B	0.00000288	B	0.00000568	B		
PCB 91	MG/KG	T		0.000000805	ND (0.000000201)	0.000195	0.0000168	0.00000749	0.00000322	EMPC	0.0000818	0.0000158	0.0000264		
PCB 92	MG/KG	T		0.000000631	ND (0.000000209)	0.00109	0.0000565	0.0000108	ND (0.000000226)	0.000162	0.0000165	0.0000367	0.0000367		
PCB 94	MG/KG	T		ND (0.000000225)	ND (0.000000226)	ND (0.000000153)	ND (0.000000213)	ND (0.000000223)	ND (0.000000245)	0.0000029	ND (0.000000329)	0.000000962	0.000000962		
PCB 95	MG/KG	T		0.00000532	0.00000236	0.00648	0.0000362	0.0000931	0.00000355	0.000587	0.0000774	0.0000224	0.0000224		
PCB 96	MG/KG	T		ND (0.000000117)	ND (0.000000108)	0.00000849	0.000000803	0.000000413	ND (0.000000102)	0.00000389	0.00000246	0.0000167	0.0000167		
PCB 99	MG/KG	T		0.00000119	0.000000697	EMPC	0.0000846	0.0000608	0.0000139	0.00000103	ND (0.000000132)	0.0000451	0.0000735		
PCB-100/93	MG/KG	T		ND (0.000000199)	ND (0.000000201)	0.00000847	ND (0.000000189)	ND (0.00000002)	ND (0.000000022)	0.00000464	0.00000161	0.00000145	0.00000145		
PCB-107/124	MG/KG	T		ND (0.000000159)	ND (0.00000016)	0.0000706	0.00000539	0.0000015	EMPC	ND (0.000000168)	0.0000359	0.00000324	0.00000683		
PCB-108/119/86/97/125/87	MG/KG	T		0.00000219	B	0.00000189	B	0.00183	0.000116	0.0000239	B	0.0000483	0.0000755		
PCB-113/90/101	MG/KG	T		0.00000231	EMPC	0.00000185	0.000769	0.000412	0.000059	0.00000283	0.000926	0.0000876	0.000211		
PCB-116/85	MG/KG	T		ND (0.000000187)	ND (0.000000188)	0.000221	0.0000182	0.0000564	ND (0.000000195)	0.000144	0.0000219	0.0000259	0.0000259		
PCB-128/166	MG/KG	T		0.00000141	0.00000133	0.00172	0.0001	0.0000245	0.00000807	0.000311	0.000107	0.0000687	0.0000687		
PCB-13/12	MG/KG	T		ND (0.000000438)	ND (0.000000028)	0.00000564	ND (0.000000471)	ND (0.000000024)	ND (0.000000325)	0.0000093	0.0000132	0.00000885	0.00000885		
PCB-139/140	MG/KG	T		ND (0.000000142)	ND (0.000000141)	0.0000701	0.00000453	0.00000135	ND (0.000000018)	0.0000227	ND (0.000000206)	0.0000054	0.0000054		
PCB-147/149	MG/KG	T		0.00000736	0.00000676	0.0213	0.00109	0.000238	0.0000563	0.00183	0.0000468	0.000462	0.000462		
PCB-151/135	MG/KG	T		0.00000316	0.00000247	0.0105	0.000539	0.000115	0.00000247	0.000723	0.0000188	0.000193	0.000193		
PCB-153/168	MG/KG	T		0.00000318	0.00000532	0.0217	0.00119	0.0002	0.00000441	0.00255	0.0000508	0.000467	0.000467		
PCB-156/157	MG/KG	T		0.000000523	EMPC	0.00000655	EMPC	0.00121	0.0000767	0.0000122	ND (0.000000299)	0.000247	0.000047		
PCB-163/138/129	MG/KG	T		0.00000666	0.00000827	0.0204	0.00117	0.000216	0.00000578	0.00283	0.0000696	0.000561	0.000561		

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**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location																		
				S04SB01		S04SB02		S04SB03		S04SB03		S04SB04		S04SB05		S04SB06						
				Date	Top (ft)	Date	Top (ft)	Date	Top (ft)	Date	Top (ft)	Date	Top (ft)	Date	Top (ft)	Date	Top (ft)					
				Bottom (ft)	Duplicate	Bottom (ft)	Duplicate	Bottom (ft)	Duplicate	Bottom (ft)	Duplicate	Bottom (ft)	Duplicate	Bottom (ft)	Duplicate	Bottom (ft)	Duplicate					
PCB-171/173	MG/KG	T			0.0000093		0.0000117		0.00292		0.000167		0.0000339	0.00000429	EMPC	0.000326		0.0000465		0.0000668		
PCB-180/193	MG/KG	T			0.00000545		0.00000982		0.0226		0.00139		0.000261	0.00000424		0.00278		0.0000368		0.000492		
PCB-198/199	MG/KG	T			0.0000128	EMPC	0.00000494		0.00559		0.000358		0.0000652	0.00000104		0.000878		0.0000191		0.000174		
PCB-21/33	MG/KG	T			0.00000692		0.00000905		0.0000592		0.0000605		0.000002	0.00000576		0.0000469		0.000025		0.0000654		
PCB-26/29	MG/KG	T			ND (0.00000201)		ND (0.00000165)		0.0000157		0.00000185		0.00000634	0.00000283		0.0000142		0.0000608		0.0000197		
PCB-28/20	MG/KG	T			0.0000011	B	0.00000118	B	0.000114		0.0000137		0.00000476	0.000000995	B	0.0000957		0.000395		0.000134		
PCB-30/18	MG/KG	T			0.000000749	B	0.000000737	B	0.0000514		0.0000408		0.00000174	B	0.000066		0.000434		0.0000569			
PCB-44/47/65	MG/KG	T			0.00000146		0.00000169		0.000287		0.0000224		0.00000659	0.00000116		0.000211		0.000223		0.0000841		
PCB-50/53	MG/KG	T			ND (0.00000194)		ND (0.00000162)		0.0000275		0.00000251		0.00000164	ND (0.00000155)		0.000021		0.0000312		0.0000149		
PCB-59/62/75	MG/KG	T			ND (0.0000015)		ND (0.00000125)		0.0000113		0.00000134		0.00000662	ND (0.0000012)		0.0000143		0.0000236		0.00000857		
PCB-61/70/74/76	MG/KG	T			0.00000166		0.00000176		0.0000646		0.0000172		0.0000172	0.00000109		0.000431		0.000361		0.000172		
PCB-69/49	MG/KG	T			0.000000462	EMPC	0.000000413	EMPC	0.000177		0.000013		0.00000404	0.000000627		0.000141		0.000128		0.0000496		
PCB-71/40	MG/KG	T			0.000000257	EMPC	ND (0.00000158)		0.0000682		0.0000067		0.00000216	ND (0.00000152)		0.0000577		0.00011		0.0000373		
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000189	B	0.0000171	B	0.00022		0.0000967		0.0000171	B	0.00015		0.000656		0.000125			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000217	EMPC	0.0000346	EMPC	0.0888		0.000505		0.000978	0.0000155	EMPC	0.0103	EMPC	0.000132	EMPC	0.000183		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00003	EMPC	0.0000336	EMPC	0.104		0.00564		0.00111	0.0000252	EMPC	0.0114		0.000289	EMPC	0.00248		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			ND (0.00000129)		ND (0.00000256)		0.0000339		0.00000263		0.0000017	0.0000011	EMPC	0.0000398		0.0000382	EMPC	0.0000265		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			ND (0.000000418)		0.00000444	EMPC	0.00152		0.000113		0.0000287	ND (0.000000357)		0.000755		0.0000249		0.000208		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000045	EMPC	0.0000168		0.0213		0.00135	EMPC	0.000254	0.0000033	EMPC	0.00322		0.0000587		0.000598		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000226	B	0.0000165	B	0.0272		0.00163		0.000376	EMPC	0.0000177	B	0.00541	EMPC	0.000664	0.00139	EMPC	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000699	EMPC	0.0000078	EMPC	0.00277		0.000223	EMPC	0.0000724	EMPC	0.00000529	EMPC	0.00186	EMPC	0.000183	0.000784	EMPC	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000049	B	0.00000551	B	0.000522		0.0000552		0.0000211	EMPC	0.00000505	B	0.000522		0.00244	0.000584	EMPC	
ALUMINUM	MG/KG	T	990000	MG/KG	9320		6660		8800		8340		9990		11000		14000		11800		13000	
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.02)	UJ	ND (1.06)	UJ	ND (0.99)	UJ	ND (0.985)	UJ	ND (1)	UJ	ND (1.02)	UJ	ND (1.03)	UJ	ND (0.983)	UJ	ND (0.982)	UJ
ARSENIC	MG/KG	T	11	MG/KG	^2.82	J	1.56	J	^2.81	J	^10	J	^3.64	J	^3.88	J	^4.8	J	1.44	J	1.44	J
BARIUM	MG/KG	T	190000	MG/KG	10.2		16.3		24.9		24.4		33.7		30.3		62		45.2		81.2	
BERYLLIUM	MG/KG	T	2000	MG/KG	1.04		0.805		0.653		1.17		0.523	J	0.583		0.655		0.48	J	0.559	
CADMIUM	MG/KG	T	800	MG/KG	ND (0.366)		ND (0.383)		ND (0.356)		ND (0.354)		ND (0.36)		ND (0.368)		ND (0.0739)		ND (0.0708)		ND (0.0707)	
CALCIUM	MG/KG	T			384		683		6740	J	508	J	564	J	921	J	775	J	510	J	6130	
CHROMIUM	MG/KG	T			101	J	29.7	J	34.2		41.7		28.7		31.1		31.5		24		43.8	J
COBALT	MG/KG	T	300	MG/KG	19.1		3.36		6.03		24.9		5.42		14.5		5.97		5.19		6.14	
COPPER	MG/KG	T	41000	MG/KG	38.4	J	16.7	J	14.5		24.5		7.66		9.44		17.4		8.02		22.5	J
IRON	MG/KG	T	720000	MG/KG	72100		40400		24100		60900		22500		25200		21000		9690		21800	
LEAD	MG/KG	T	800	MG/KG	6.59		6.52		37.4		4.56		7.58		7.66		50.7		9.22		24	
MAGNESIUM	MG/KG	T			283		434		1310		335		1380		1450		2340		1910		3650	
MANGANESE	MG/KG	T	23000	MG/KG	115		112		102	J	296	J	97.5	J	134	J	145	J	65.4	J	241	
MERCURY	MG/KG	T	43	MG/KG	0.0487	J	ND (0.0124)		0.105	J	0.0153	J	ND (0.0114)		0.0161	J	0.0786	J	ND (0.0117)		0.0366	J
NICKEL	MG/KG	T	20000	MG/KG	10.1		13.6		23.4		15.3		9.88		10.7		12.9		11.3		18.2	
POTASSIUM	MG/KG	T			127		320		818	J	331	J	805	J	884	J	1020	J	813	J	2420	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.1)	UJ	ND (1.15)	UJ	ND (1.07)		1.53	J	ND (1.09)		ND (1.11)		ND (1.11)		ND (1.07)		ND (1.06)	UJ
SILVER	MG/KG	T	5100	MG/KG	ND (0.192)		ND (0.2)		ND (0.186)		ND (0.185)		ND (0.189)		ND (0.192)		ND (0.193)		ND (0.185)		0.21	J
SODIUM	MG/KG	T			233		324		48.6	J	ND (37.9)		253		262		115		95.9	J	209	
THALLIUM	MG/KG	T	10	MG/KG	ND (0.167)		ND (0.184)		ND (0.166)		ND (0.159)		ND (0.165)		ND (0.17)		ND (0.169)		ND (0.168)		ND (0.163)	
TITANIUM	MG/KG	T			1340		541		680		372		507		571		928		638		1860	
VANADIUM	MG/KG	T			207		70.9		53.5		32.5		50.4		58.5		41.9		32.8		43.6	
ZINC	MG/KG	T	310000	MG/KG	17.3		24.5		30.6		27.9		27.6		28.1		53.7		29.2		44.9	
TOTAL ORGANIC CARBON	MG/KG	T			ND (311)		ND (463)		ND (372)		ND (410)		ND (441)		ND (450)		4770		ND (313)		ND (404)	
HPCDFS	MG/KG	T			ND (0.00000238)		0.0000059		0.0000293		0.00000525		0.000007	ND (0.00000483)		0.0000877		0.00000216		0.0000257		

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB07	S04SB08	S04SB09	S04SB09	S04SB09	S04SB10	S04SB10	S04SB11	S04SB12	S04SB13	S04SB13		
				Date	5/2/08	6/4/08	6/4/08	5/11/10	5/11/10	5/11/10	5/11/10	5/10/10	5/10/10	5/11/10	5/10/10	5/11/10	5/11/10	5/11/10	5/11/10
				Top (ft)	8	0	8	0	0	0	10	0	2	0	2	0	0	0	8.5
				Bottom (ft)	10	2	10	2	2	2	12	2	4	2	4	2	2	2	10.5
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
ACETONE	MG/KG	T	630000	MG/KG	ND (0.008)	0.009 J	ND (0.007)												
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)												
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
ACENAPHTHYLENE	MG/KG	T		MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	0.044 J				ND (0.036)	ND (0.041)			
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	0.056 J				ND (0.036)	ND (0.041)			
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	0.14 J	ND (0.076)	ND (0.074)	ND (0.074)	ND (0.072)	ND (0.073)	ND (0.087)				ND (0.072)	ND (0.082)			
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.093)	ND (0.076)	ND (0.074)	ND (0.074)	ND (0.072)	ND (0.073)	ND (0.087)				ND (0.072)	ND (0.082)			
CARBAZOLE	MG/KG	T		MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	0.054 J				ND (0.036)	ND (0.041)			
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
DI-N-BUTYL PHTHALATE	MG/KG	T	62000	MG/KG	ND (0.093)	ND (0.076)	ND (0.074)	ND (0.074)	ND (0.072)	ND (0.073)	ND (0.087)				ND (0.072)	ND (0.082)			
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	0.044 J	ND (0.036)	ND (0.037)	0.089 J				0.046 J	ND (0.041)			
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.046)	0.059 J	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	0.058 J				ND (0.036)	ND (0.041)			
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.046)	ND (0.038)	0.089 J	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.046)	0.09 J	0.23	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.043)				ND (0.036)	ND (0.041)			
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.037)	0.049 J				ND (0.036)	ND (0.041)			
PYRENE	MG/KG	T	17000	MG/KG	ND (0.046)	ND (0.038)	ND (0.037)	0.041 J	ND (0.036)	ND (0.037)	0.088 J				0.046 J	ND (0.041)			
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.000013	0.0000529	0.0000064												
1,2,3,4,6,7,8-HPCDF	MG/KG	T			ND (0.00000104)	0.00000233 J	0.000000854 J												
1,2,3,4,7,8,9-HPCDF	MG/KG	T			ND (0.00000144)	0.000000769 J	ND (0.000000181)												
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000427 J	ND (0.000000167)	ND (0.000000167)												
1,2,3,4,7,8-HXCDF	MG/KG	T			ND (0.000000162)	0.000000335 J	ND (0.000000245)												
1,2,3,6,7,8-HXCDD	MG/KG	T			0.000000788 EMPC J	ND (0.000000184)	ND (0.00000019)												
1,2,3,6,7,8-HXCDF	MG/KG	T			ND (0.000000126)	ND (0.000000239)	ND (0.000000245)												
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000133 EMPC J	ND (0.000000187)	ND (0.000000193)												
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000000214)	ND (0.000000239)	ND (0.000000231)												
1,2,3,7,8-PECDD	MG/KG	T			ND (0.000000245) UJ	ND (0.000000229)	ND (0.000000284)												
1,2,3,7,8-PECDF	MG/KG	T			ND (0.000000219)	ND (0.000000239)	ND (0.000000245)												
2,3,4,6,7,8-HXCDF	MG/KG	T			ND (0.000000148)	ND (0.000000239)	ND (0.000000245)												
2,3,4,7,8-PECDF	MG/KG	T			ND (0.000000197)	ND (0.000000196)	ND (0.000000245)												
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000204)	ND (0.000000127)	ND (0.000000157)												
2,3,7,8-TCDF	MG/KG	T			ND (0.000000114)	0.00000011 J	ND (0.0000000923)												
HPCDDs	MG/KG	T			0.0000445	0.0000107	0.0000014												
HXCDDs	MG/KG	T			0.0000697 EMPC	0.000000996	0.00000396												
HXCDFs	MG/KG	T			0.000000228	0.00000146 EMPC	0.00000123 EMPC												
OCDD	MG/KG	T			0.000248	0.000411	0.000753												
OCDF	MG/KG	T			ND (0.000000714)	0.000123	0.0000085												
TCDDs	MG/KG	T			0.0000046 EMPC	ND (0.000000127)	ND (0.000000157)												
TCDFs	MG/KG	T			0.000000501	0.00000011	0.000000662 EMPC												
TOTAL PECDDs	MG/KG	T			0.0000272 EMPC	ND (0.000000229)	0.00000107 EMPC												
TOTAL PECDFs	MG/KG	T			ND (0.000000208)	0.00000002	0.0000012 EMPC												
PCB 1	MG/KG	T			ND (0.000000162)	ND (0.000000115)	ND (0.000000138)												
PCB 10	MG/KG	T			ND (0.00000014)	ND (0.00000013)	ND (0.000000119)												
PCB 102	MG/KG	T			ND (0.000000153)	ND (0.000000176)	ND (0.000000107)												
PCB 103	MG/KG	T			ND (0.000000147)	ND (0.00000016)	ND (0.0000000975)												
PCB 105	MG/KG	T	0.38	MG/KG	ND (0.000000108)	0.00000183	0.0000026												
PCB 109	MG/KG	T			ND (0.000000112)	ND (0.000000114)	ND (0.0000000696)												
PCB 11	MG/KG	T			0.00000513 B	0.0000052 B	0.00000324 B												
PCB 110	MG/KG	T			0.000000506	0.00000605	0.00000981												
PCB 111	MG/KG	T			ND (0.000000113)	ND (0.000000124)	ND (0.0000000753)												
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.00000011)	ND (0.000000135)	ND (0.0000000818)												
PCB 117	MG/KG	T			ND (0.000000123)	ND (0.000000129)	ND (0.0000000786)												
PCB 118	MG/KG	T	0.38	MG/KG	0.000000308 EMPCJ	0.00000351	0.00000569												
PCB 120	MG/KG	T			ND (0.000000113)	ND (0.000000124)	ND (0.0000000752)												

EPA\_SL\_IndSoil\_05/11

< and ND = Non detect at stated reporting limit

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB07	S04SB08	S04SB09	S04SB09	S04SB09	S04SB10	S04SB10	S04SB11	S04SB12	S04SB13	S04SB13		
				Date	5/2/08	6/4/08	6/4/08	5/11/10	5/11/10	5/11/10	5/11/10	5/10/10	5/10/10	5/11/10	5/10/10	5/11/10	5/10/10	5/11/10	5/11/10
				Top (ft)	8	0	8	0	0	0	10	0	2	0	0	0	0	0	8.5
				Bottom (ft)	10	2	10	2	2	2	12	2	4	2	2	4	2	2	10.5
				Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS			
PCB 122	MG/KG	T			ND (0.00000012)	ND (0.000000137)	ND (0.0000000833)												
PCB 123	MG/KG	T	0.38	MG/KG	ND (0.00000012)	ND (0.000000139)	ND (0.0000000851)												
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.000000141)	ND (0.000000147)	ND (0.0000000949)												
PCB 130	MG/KG	T			ND (0.000000138)	0.000000161	0.000000104												
PCB 131	MG/KG	T			ND (0.00000014)	ND (0.000000155)	ND (0.0000000877)												
PCB 132	MG/KG	T			0.000000449	0.000000883	0.00000066												
PCB 133	MG/KG	T			ND (0.000000129)	ND (0.000000145)	ND (0.0000000819)												
PCB 134	MG/KG	T			ND (0.000000153)	0.000000118	0.000000107												
PCB 136	MG/KG	T			0.000000218	0.000000197	0.000000262												
PCB 137	MG/KG	T			ND (0.000000123)	0.000000524 EMPC	0.000000525 EMPC												
PCB 141	MG/KG	T			ND (0.000000124)	0.000000266	0.000000487												
PCB 144	MG/KG	T			ND (0.000000123)	0.000000117	0.000000126												
PCB 146	MG/KG	T			ND (0.000000115)	0.000000299	0.000000271												
PCB 148	MG/KG	T			ND (0.000000127)	ND (0.000000138)	ND (0.0000000781)												
PCB 15	MG/KG	T			ND (0.000000193)	ND (0.000000299)	0.000000613												
PCB 150	MG/KG	T			ND (0.0000000951)	ND (0.0000000984)	ND (0.0000000538)												
PCB 152	MG/KG	T			ND (0.0000000906)	ND (0.0000000968)	ND (0.000000053)												
PCB 154	MG/KG	T			ND (0.00000011)	ND (0.000000119)	ND (0.0000000671)												
PCB 158	MG/KG	T			ND (0.0000000877)	0.000000223	0.00000002												
PCB 159	MG/KG	T			ND (0.000000146)	0.000000535 EMPC	0.000000383 EMPC												
PCB 16	MG/KG	T			ND (0.000000216)	ND (0.000000172)	0.000000409												
PCB 162	MG/KG	T			ND (0.000000143)	ND (0.000000147)	ND (0.0000000867)												
PCB 164	MG/KG	T			ND (0.0000000962)	0.000000246	0.000000147												
PCB 167	MG/KG	T	0.38	MG/KG	ND (0.000000153)	0.000000815 J	0.000000727 J												
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.000000145)	ND (0.000000167)	ND (0.000000104)												
PCB 17	MG/KG	T			0.00000029 EMPC	0.000000357	0.000000446												
PCB 170	MG/KG	T			0.000000853 EMPC	0.000000171	0.000000926												
PCB 172	MG/KG	T			ND (0.000000224)	0.000000326	0.000000169												
PCB 174	MG/KG	T			0.000000893	0.000000154	0.000000117												
PCB 175	MG/KG	T			ND (0.000000206)	ND (0.000000225)	0.000000444												
PCB 176	MG/KG	T			ND (0.00000011)	0.000000149	0.000000141												
PCB 177	MG/KG	T			0.000000409	0.000000922	0.000000616												
PCB 178	MG/KG	T			ND (0.000000151)	0.000000308	0.000000217												
PCB 179	MG/KG	T			ND (0.000000116)	0.000000493	0.000000471												
PCB 181	MG/KG	T			ND (0.000000204)	ND (0.00000022)	ND (0.000000161)												
PCB 183	MG/KG	T			ND (0.000000194)	0.0000009	0.000000667												
PCB 184	MG/KG	T			ND (0.000000121)	ND (0.000000134)	ND (0.0000000747)												
PCB 185	MG/KG	T			ND (0.000000212)	0.000000149	0.000000107												
PCB 187	MG/KG	T			0.000000934	0.000000188	0.000000138												
PCB 188	MG/KG	T			ND (0.000000105)	ND (0.000000121)	ND (0.0000000678)												
PCB 189	MG/KG	T	0.38	MG/KG	ND (0.000000154)	0.000000626 J	0.000000296 EMPC J												
PCB 19	MG/KG	T			ND (0.000000179)	ND (0.000000131)	ND (0.0000000903)												
PCB 190	MG/KG	T			ND (0.000000162)	0.000000259	0.000000183												
PCB 191	MG/KG	T			ND (0.00000016)	0.000000076	0.000000363 EMPC												
PCB 194	MG/KG	T			0.000000702	0.000000908	0.000000054												
PCB 195	MG/KG	T			ND (0.000000338)	0.000000317	0.000000217												
PCB 196	MG/KG	T			ND (0.000000027)	0.00000041	0.00000028												
PCB 197	MG/KG	T			ND (0.000000021)	ND (0.000000124)	0.000000221 EMPC												
PCB 2	MG/KG	T			ND (0.0000000901)	ND (0.0000000992)	ND (0.000000104)												
PCB 200	MG/KG	T			ND (0.000000205)	0.000000131	0.000000089												
PCB 201	MG/KG	T			ND (0.000000204)	0.000000133	0.00000008												
PCB 202	MG/KG	T			ND (0.000000209)	0.000000204	0.000000148												
PCB 203	MG/KG	T			ND (0.000000024)	0.000000586	0.000000038												
PCB 204	MG/KG	T			ND (0.000000218)	ND (0.000000149)	ND (0.0000000742)												
PCB 205	MG/KG	T			ND (0.000000245)	ND (0.000000157)	ND (0.000000121)												
PCB 206	MG/KG	T			ND (0.000000043)	0.000000076	0.000000464												
PCB 207	MG/KG	T			ND (0.000000312)	0.000000285	0.000000651 EMPC												
PCB 208	MG/KG	T			ND (0.000000329)	0.000000385	0.000000154												
PCB 209	MG/KG	T			ND (0.000000034)	0.000000609	0.000000211												
PCB 22	MG/KG	T			ND (0.000000172)	0.000000039 B	0.000000557 B												
PCB 24	MG/KG	T			ND (0.000000142)	ND (0.000000103)	ND (0.0000000711)												
PCB 25	MG/KG	T			ND (0.000000159)	ND (0.000000177)	0.000000144												

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< and ND = Non detect at stated reporting limit

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB07	S04SB08	S04SB09	S04SB09	S04SB09	S04SB10	S04SB10	S04SB11	S04SB12	S04SB13	S04SB13		
				Date	5/2/08	6/4/08	6/4/08	5/11/10	5/11/10	5/11/10	5/11/10	5/10/10	5/10/10	5/11/10	5/10/10	5/11/10	5/11/10	5/11/10	5/11/10
				Top (ft)	8	0	8	0	0	0	10	0	2	0	0	0	0	0	8.5
				Bottom (ft)	10	2	10	2	2	2	12	2	4	2	2	4	2	2	10.5
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB 27	MG/KG	T			ND (0.000000134)	ND (0.0000000963)	ND (0.0000000666)												
PCB 3	MG/KG	T			ND (0.0000000839)	0.000000441 EMPC	0.000000522 EMPC												
PCB 31	MG/KG	T			0.00000052 B	0.00000125 B	0.00000137 B												
PCB 32	MG/KG	T			ND (0.00000013)	0.000000267	0.000000323												
PCB 34	MG/KG	T			ND (0.000000169)	ND (0.000000197)	ND (0.000000119)												
PCB 35	MG/KG	T			ND (0.000000174)	0.00000016	ND (0.000000119)												
PCB 37	MG/KG	T			ND (0.000000167)	0.000000547	0.000000883												
PCB 39	MG/KG	T			ND (0.00000016)	ND (0.000000186)	ND (0.000000113)												
PCB 4	MG/KG	T			ND (0.000000201)	ND (0.000000194)	0.000000304												
PCB 41	MG/KG	T			ND (0.000000177)	ND (0.000000209)	ND (0.000000169)												
PCB 42	MG/KG	T			ND (0.000000155)	0.000000529	0.000000511												
PCB 43	MG/KG	T			ND (0.000000185)	ND (0.000000227)	ND (0.000000184)												
PCB 45	MG/KG	T			ND (0.00000019)	ND (0.000000208)	0.000000221 EMPC												
PCB 46	MG/KG	T			ND (0.000000173)	ND (0.000000205)	ND (0.000000165)												
PCB 48	MG/KG	T			ND (0.000000147)	0.000000423	ND (0.000000137)												
PCB 5	MG/KG	T			ND (0.000000217)	0.00000133 B	0.00000127 B												
PCB 51	MG/KG	T			ND (0.000000124)	ND (0.000000149)	0.000000181												
PCB 52	MG/KG	T			0.000000454	0.000000259	0.000000323												
PCB 54	MG/KG	T			ND (0.0000000795)	ND (0.000000122)	ND (0.0000000795)												
PCB 55	MG/KG	T			ND (0.000000169)	ND (0.000000242)	ND (0.000000178)												
PCB 56	MG/KG	T			ND (0.000000161)	0.00000108 EMPC	0.000000993												
PCB 57	MG/KG	T			ND (0.000000161)	ND (0.000000227)	ND (0.000000167)												
PCB 58	MG/KG	T			ND (0.000000161)	ND (0.000000229)	ND (0.000000168)												
PCB 6	MG/KG	T			ND (0.000000207)	ND (0.00000034)	ND (0.000000209)												
PCB 60	MG/KG	T			ND (0.000000164)	0.000000653 EMPC	0.000000057												
PCB 63	MG/KG	T			ND (0.000000149)	ND (0.000000211)	ND (0.000000155)												
PCB 64	MG/KG	T			ND (0.000000105)	0.00000011	0.0000000947												
PCB 66	MG/KG	T			ND (0.000000155)	0.000000208	0.000000188												
PCB 67	MG/KG	T			ND (0.00000015)	ND (0.000000206)	ND (0.000000151)												
PCB 68	MG/KG	T			ND (0.00000015)	ND (0.000000214)	ND (0.000000157)												
PCB 7	MG/KG	T			ND (0.000000207)	ND (0.00000033)	ND (0.000000202)												
PCB 72	MG/KG	T			ND (0.000000153)	ND (0.000000218)	ND (0.00000016)												
PCB 77	MG/KG	T	0.11	MG/KG	ND (0.000000161)	0.000000327 EMPCJ	0.000000487 J												
PCB 78	MG/KG	T			ND (0.000000164)	ND (0.000000233)	ND (0.000000171)												
PCB 79	MG/KG	T			ND (0.000000141)	ND (0.000000195)	ND (0.000000144)												
PCB 8	MG/KG	T			0.000000704	0.000000683	0.000000847												
PCB 80	MG/KG	T			ND (0.000000144)	ND (0.000000205)	ND (0.00000015)												
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.000000159)	ND (0.000000217)	ND (0.00000016)												
PCB 82	MG/KG	T			ND (0.000000184)	ND (0.000000211)	0.0000000826												
PCB 83	MG/KG	T			ND (0.000000193)	ND (0.00000022)	ND (0.000000134)												
PCB 84	MG/KG	T			ND (0.000000176)	0.00000157	0.0000002												
PCB 89	MG/KG	T			ND (0.000000166)	ND (0.000000189)	ND (0.000000115)												
PCB 9	MG/KG	T			0.000000294 B	0.000000345	0.000000492												
PCB 91	MG/KG	T			ND (0.000000145)	0.00000009	0.0000000821												
PCB 92	MG/KG	T			ND (0.000000157)	0.000000555 EMPC	0.000000108												
PCB 94	MG/KG	T			ND (0.000000171)	ND (0.000000193)	ND (0.000000117)												
PCB 95	MG/KG	T			ND (0.000000162)	0.000000449	0.000000627												
PCB 96	MG/KG	T			ND (0.0000000939)	ND (0.0000000942)	ND (0.0000000492)												
PCB 99	MG/KG	T			ND (0.000000133)	0.000000138	0.000000242												
PCB-100/93	MG/KG	T			ND (0.000000154)	ND (0.000000166)	ND (0.000000101)												
PCB-107/124	MG/KG	T			ND (0.000000117)	ND (0.000000126)	ND (0.0000000769)												
PCB-108/119/86/97/125/87	MG/KG	T			0.00000031 B	0.000000246	0.000000401												
PCB-113/90/101	MG/KG	T			0.000000583	0.00000037	0.000000769												
PCB-116/85	MG/KG	T			ND (0.000000136)	0.000000588 EMPC	0.000000928 EMPC												
PCB-128/166	MG/KG	T			ND (0.00000017)	0.000000313	0.00000022												
PCB-13/12	MG/KG	T			ND (0.000000211)	ND (0.000000351)	ND (0.000000216)												
PCB-139/140	MG/KG	T			ND (0.000000124)	0.000000269 EMPC	ND (0.0000000762)												
PCB-147/149	MG/KG	T			0.0000000952	0.00000217	0.00000192												
PCB-151/135	MG/KG	T			ND (0.000000127)	0.000000805	0.000000827												
PCB-153/168	MG/KG	T			0.000000117	0.000000962	0.00000183												
PCB-156/157	MG/KG	T			ND (0.000000204)	0.00000129 J	0.00000178 J												
PCB-163/138/129	MG/KG	T			0.00000143	0.00000195	0.00000211												

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**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB06	S04SB07	S04SB07	S04SB08	S04SB09	S04SB09	S04SB09	S04SB10	S04SB10	S04SB11	S04SB12	S04SB13	S04SB13		
				Date	5/2/08	6/4/08	6/4/08	5/11/10	5/11/10	5/11/10	5/11/10	5/10/10	5/10/10	5/11/10	5/10/10	5/11/10	5/11/10	5/11/10	5/11/10
				Top (ft)	8	0	8	0	0	0	10	0	2	0	2	0	0	0	8.5
				Bottom (ft)	10	2	10	2	2	2	12	2	4	2	2	2	2	2	2
Duplicate	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS			
PCB-171/173	MG/KG	T			ND (0.00000222)	0.00000503	0.00000318												
PCB-180/193	MG/KG	T			0.00000205	0.0000331	0.0000224												
PCB-198/199	MG/KG	T			0.00000674	0.0000106	0.00000696												
PCB-21/33	MG/KG	T			0.00000331 EMPC	0.00000836 B	0.00000912 B												
PCB-26/29	MG/KG	T			ND (0.00000168)	ND (0.00000196)	0.00000269												
PCB-28/20	MG/KG	T			0.00000626 B	0.00000133 B	0.00000151 B												
PCB-30/18	MG/KG	T			0.00000609 B	0.00000109 B	0.000000814 B												
PCB-44/47/65	MG/KG	T			0.00000819	0.00000252 B	0.00000253 B												
PCB-50/53	MG/KG	T			ND (0.0000014)	0.00000309	0.00000346 EMPC												
PCB-59/62/75	MG/KG	T			ND (0.00000109)	ND (0.00000122)	ND (0.000000983)												
PCB-61/70/74/76	MG/KG	T			ND (0.00000156)	0.00000434	0.00000389												
PCB-69/49	MG/KG	T			0.00000256	0.00000112	0.00000107												
PCB-71/40	MG/KG	T			ND (0.00000137)	0.000000945	0.000000791												
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000877 B	0.00000756 B	0.00000677 B												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000513 EMPC	0.000126	0.0000872 EMPC												
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000422	0.00000905 EMPC	0.00000961 EMPC												
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			ND (0.00000123)	0.000000441 EMPC	0.000000522 EMPC												
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			ND (0.000000379)	0.0000143	0.00000683 EMPC												
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000138	0.0000375	0.0000245 EMPC												
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000449 B	0.000027 EMPC	0.0000442 EMPC												
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000153	0.000018 EMPC	0.0000176 EMPC												
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000238 B	0.00000623 B	0.00000763												
ALUMINUM	MG/KG	T	990000	MG/KG	14700	8870	12900	17600	13600	13300	14200	9990	13500	9030	15000	6860	21500		
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.23) UJ	ND (1.14) UJ	ND (1.11) UJ	ND (1.1)	7.65	8.62	2.8	ND (1.06) UJ	ND (1.05) UJ	ND (1.05)	ND (1.12) UJ	ND (1.07)	ND (1.18)		
ARSENIC	MG/KG	T	11	MG/KG	^5.42 J	1.55 J	^2.17 J	^5.92	^4.54	^4.14	^4	^2.51	1.4 J	1.18 J	^2.72	1.34 J	^3.5		
BARIIUM	MG/KG	T	190000	MG/KG	46	22.8	29.8	65	88.1	99.5	61.8	27.7	16	82.8	121	40	57.5		
BERYLLIUM	MG/KG	T	2000	MG/KG	0.713	0.405 J	0.4 J	0.757	0.554	0.545	0.815	0.452 J	0.276 J	0.485 J	0.666	0.264 J	0.854		
CADMIUM	MG/KG	T	800	MG/KG	ND (0.0888)	ND (0.16)	ND (0.156)	0.391 J	0.415 J	0.453 J	0.401 J	0.344 J	ND (0.147)	0.441 J	0.328 J	0.695	0.25 J		
CALCIUM	MG/KG	T			714	492	77.2	3180 J	2670 J	3700 J	1960 J	20700	217	15400 J	2780	46900 J	866 J		
CHROMIUM	MG/KG	T			29.3 J	8.5 J	9.54 J	27.3	49.4	51.7	37.4	17.4	8.06	35.8	39.5	22.7	35.9		
COBALT	MG/KG	T	300	MG/KG	11.2	13.2	0.759	6.39	6.29	6.67	4.93	4.08	3.29	5.43	10	2.3	6.19		
COPPER	MG/KG	T	41000	MG/KG	12.3 J	2.03 J	9.04 J	27.8	58.2	53.1	96.1	7.41	5.66	45.8	20.7	17.9	13.3		
IRON	MG/KG	T	720000	MG/KG	16600	7580	11100	24300	23500	22900	19800	14300	8350	16100	18800	12700	28400		
LEAD	MG/KG	T	800	MG/KG	7.5	3.08	8.21	50.2 J	77.9 J	82.3 J	93.9 J	25	5	44.9 J	6.69	30.8 J	9.26 J		
MAGNESIUM	MG/KG	T			3260	269 J	294 J	3440	2460	3110	1940	12000	244	9420	4830	9100	2910		
MANGANESE	MG/KG	T	23000	MG/KG	175	164	39.2	231 J	176 J	190 J	165 J	200 J	43.1 J	243 J	316 J	228 J	131 J		
MERCURY	MG/KG	T	43	MG/KG	ND (0.0147)	ND (0.0131)	ND (0.0122)	0.15	0.0994 J	0.0835 J	0.143	0.0257 J	ND (0.0119)	0.042 J	ND (0.0127)	0.0127 J	0.0199 J		
NICKEL	MG/KG	T	20000	MG/KG	16.4	6.1	5.5	13	15.6	17.3	13.6	7.19	8.04	30.3	21.4	6.9	13.8		
POTASSIUM	MG/KG	T			1640	231 J	306 J	1880 J	1570 J	1880 J	1590 J	573 J	291 J	2560 J	3430 J	1480 J	1630 J		
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.34) UJ	ND (1.12) UJ	ND (1.09) UJ	ND (1.07)	ND (1.04)	ND (1.07)	ND (1.27)	ND (1.04)	ND (1.03)	ND (1.03)	ND (1.09)	ND (1.05)	ND (1.15)		
SILVER	MG/KG	T	5100	MG/KG	ND (0.232)	0.248 J	ND (0.189)	ND (0.197)			ND (0.234)	ND (0.191)	ND (0.19)		ND (0.201)		ND (0.212)		
SODIUM	MG/KG	T			165	60.2 B	53.5 B	983	65.6 J	90.8 J	114 J	ND (39.7)	ND (39.3)	135	213	363	304		
THALLIUM	MG/KG	T	10	MG/KG	ND (0.205)	ND (0.165)	ND (0.165)	ND (1.59)	1.6 J	ND (1.58)	ND (1.89)	ND (1.54)	ND (1.53)	ND (1.52)	ND (1.62)	ND (1.56)	1.77 J		
TITANIUM	MG/KG	T			933	204	263					562	168				632 J		
VANADIUM	MG/KG	T			40.1	8.94	14.4	44	44.5	46.4	54	26.8	17.3	47.1	41.4	29.9	53.6		
ZINC	MG/KG	T	310000	MG/KG	38.7	51.5	19.5	54.6	58.8	75.2	75.8	28.7	8.06	129	43.1	75.3	44		
TOTAL ORGANIC CARBON	MG/KG	T			ND (375)	ND (366)	ND (341)												
HPCDFS	MG/KG	T			ND (0.00000122)	0.00000453 EMPC	0.00000116 EMPC	5470	3500	3770	8990								



**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB14	S04SB14	S04SB15	S04SB16	S04SB17
				Date	5/10/10	5/10/10	5/10/10	5/10/10	5/11/10
				Top (ft)	0	8	0	0	1
				Bottom (ft)	2	10	2	2	3
				Duplicate	FS	FS	FS	FS	FS
ACETONE	MG/KG	T	630000	MG/KG					
CARBON DISULFIDE	MG/KG	T	3700	MG/KG					
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
ACENAPHTHYLENE	MG/KG	T		MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	0.13 J
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	0.042 J	ND (0.037)
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	0.058 J	ND (0.037)
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
<b>BENZO(A)PYRENE</b>	MG/KG	T	0.21	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	0.044 J	ND (0.037)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.073)	ND (0.077)	ND (0.072)	0.11 J	ND (0.074)
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.073)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.074)
CARBAZOLE	MG/KG	T		MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	0.058 J	ND (0.037)
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
DI-N-BUTYL PHTHALATE	MG/KG	T	62000	MG/KG	ND (0.073)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.074)
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.036)	ND (0.039)	0.051 J	0.059 J	0.043 J
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.036)	ND (0.039)	0.33	0.57	ND (0.037)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.036)	ND (0.039)	ND (0.036)	0.04 J	ND (0.037)
PYRENE	MG/KG	T	17000	MG/KG	ND (0.036)	ND (0.039)	0.067 J	0.08 J	0.041 J
1,2,3,4,6,7,8-HPCDD	MG/KG	T							
1,2,3,4,6,7,8-HPCDF	MG/KG	T							
1,2,3,4,7,8,9-HPCDF	MG/KG	T							
1,2,3,4,7,8-HXCDD	MG/KG	T							
1,2,3,4,7,8-HXCDF	MG/KG	T							
1,2,3,6,7,8-HXCDD	MG/KG	T							
1,2,3,6,7,8-HXCDF	MG/KG	T							
1,2,3,7,8,9-HXCDD	MG/KG	T							
1,2,3,7,8,9-HXCDF	MG/KG	T							
1,2,3,7,8-PECDD	MG/KG	T							
1,2,3,7,8-PECDF	MG/KG	T							
2,3,4,6,7,8-HXCDF	MG/KG	T							
2,3,4,7,8-PECDF	MG/KG	T							
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG					
2,3,7,8-TCDF	MG/KG	T							
HPCDDS	MG/KG	T							
HXCDDS	MG/KG	T							
HXCDFS	MG/KG	T							
OCDD	MG/KG	T							
OCDF	MG/KG	T							
TCDDS	MG/KG	T							
TCDFS	MG/KG	T							
TOTAL PECDDS	MG/KG	T							
TOTAL PECDFS	MG/KG	T							
PCB 1	MG/KG	T							
PCB 10	MG/KG	T							
PCB 102	MG/KG	T							
PCB 103	MG/KG	T							
PCB 105	MG/KG	T	0.38	MG/KG					
PCB 109	MG/KG	T							
PCB 11	MG/KG	T							
PCB 110	MG/KG	T							
PCB 111	MG/KG	T							
PCB 114	MG/KG	T	0.38	MG/KG					
PCB 117	MG/KG	T							
PCB 118	MG/KG	T	0.38	MG/KG					
PCB 120	MG/KG	T							

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< and ND = Non detect at stated reporting limit

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB14	S04SB14	S04SB15	S04SB16	S04SB17
				Date	5/10/10	5/10/10	5/10/10	5/10/10	5/11/10
				Top (ft)	0	8	0	0	1
				Bottom (ft)	2	10	2	2	3
				Duplicate	FS	FS	FS	FS	FS
PCB 122	MG/KG	T							
PCB 123	MG/KG	T	0.38	MG/KG					
PCB 126	MG/KG	T	0.00011	MG/KG					
PCB 130	MG/KG	T							
PCB 131	MG/KG	T							
PCB 132	MG/KG	T							
PCB 133	MG/KG	T							
PCB 134	MG/KG	T							
PCB 136	MG/KG	T							
PCB 137	MG/KG	T							
PCB 141	MG/KG	T							
PCB 144	MG/KG	T							
PCB 146	MG/KG	T							
PCB 148	MG/KG	T							
PCB 15	MG/KG	T							
PCB 150	MG/KG	T							
PCB 152	MG/KG	T							
PCB 154	MG/KG	T							
PCB 158	MG/KG	T							
PCB 159	MG/KG	T							
PCB 16	MG/KG	T							
PCB 162	MG/KG	T							
PCB 164	MG/KG	T							
PCB 167	MG/KG	T	0.38	MG/KG					
PCB 169	MG/KG	T	0.00038	MG/KG					
PCB 17	MG/KG	T							
PCB 170	MG/KG	T							
PCB 172	MG/KG	T							
PCB 174	MG/KG	T							
PCB 175	MG/KG	T							
PCB 176	MG/KG	T							
PCB 177	MG/KG	T							
PCB 178	MG/KG	T							
PCB 179	MG/KG	T							
PCB 181	MG/KG	T							
PCB 183	MG/KG	T							
PCB 184	MG/KG	T							
PCB 185	MG/KG	T							
PCB 187	MG/KG	T							
PCB 188	MG/KG	T							
PCB 189	MG/KG	T	0.38	MG/KG					
PCB 19	MG/KG	T							
PCB 190	MG/KG	T							
PCB 191	MG/KG	T							
PCB 194	MG/KG	T							
PCB 195	MG/KG	T							
PCB 196	MG/KG	T							
PCB 197	MG/KG	T							
PCB 2	MG/KG	T							
PCB 200	MG/KG	T							
PCB 201	MG/KG	T							
PCB 202	MG/KG	T							
PCB 203	MG/KG	T							
PCB 204	MG/KG	T							
PCB 205	MG/KG	T							
PCB 206	MG/KG	T							
PCB 207	MG/KG	T							
PCB 208	MG/KG	T							
PCB 209	MG/KG	T							
PCB 22	MG/KG	T							
PCB 24	MG/KG	T							
PCB 25	MG/KG	T							

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< and ND = Non detect at stated reporting limit

**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB14	S04SB14	S04SB15	S04SB16	S04SB17
				Date	5/10/10	5/10/10	5/10/10	5/10/10	5/11/10
				Top (ft)	0	8	0	0	1
				Bottom (ft)	2	10	2	2	3
				Duplicate	FS	FS	FS	FS	FS
PCB 27	MG/KG	T							
PCB 3	MG/KG	T							
PCB 31	MG/KG	T							
PCB 32	MG/KG	T							
PCB 34	MG/KG	T							
PCB 35	MG/KG	T							
PCB 37	MG/KG	T							
PCB 39	MG/KG	T							
PCB 4	MG/KG	T							
PCB 41	MG/KG	T							
PCB 42	MG/KG	T							
PCB 43	MG/KG	T							
PCB 45	MG/KG	T							
PCB 46	MG/KG	T							
PCB 48	MG/KG	T							
PCB 5	MG/KG	T							
PCB 51	MG/KG	T							
PCB 52	MG/KG	T							
PCB 54	MG/KG	T							
PCB 55	MG/KG	T							
PCB 56	MG/KG	T							
PCB 57	MG/KG	T							
PCB 58	MG/KG	T							
PCB 6	MG/KG	T							
PCB 60	MG/KG	T							
PCB 63	MG/KG	T							
PCB 64	MG/KG	T							
PCB 66	MG/KG	T							
PCB 67	MG/KG	T							
PCB 68	MG/KG	T							
PCB 7	MG/KG	T							
PCB 72	MG/KG	T							
PCB 77	MG/KG	T	0.11	MG/KG					
PCB 78	MG/KG	T							
PCB 79	MG/KG	T							
PCB 8	MG/KG	T							
PCB 80	MG/KG	T							
PCB 81	MG/KG	T	0.038	MG/KG					
PCB 82	MG/KG	T							
PCB 83	MG/KG	T							
PCB 84	MG/KG	T							
PCB 89	MG/KG	T							
PCB 9	MG/KG	T							
PCB 91	MG/KG	T							
PCB 92	MG/KG	T							
PCB 94	MG/KG	T							
PCB 95	MG/KG	T							
PCB 96	MG/KG	T							
PCB 99	MG/KG	T							
PCB-100/93	MG/KG	T							
PCB-107/124	MG/KG	T							
PCB-108/119/86/97/125/87	MG/KG	T							
PCB-113/90/101	MG/KG	T							
PCB-116/85	MG/KG	T							
PCB-128/166	MG/KG	T							
PCB-13/12	MG/KG	T							
PCB-139/140	MG/KG	T							
PCB-147/149	MG/KG	T							
PCB-151/135	MG/KG	T							
PCB-153/168	MG/KG	T							
PCB-156/157	MG/KG	T							
PCB-163/138/129	MG/KG	T							

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**Table B3**  
**Summary of Analytical Results SWMU 4**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S04SB14	S04SB14	S04SB15	S04SB16	S04SB17
				Date	5/10/10	5/10/10	5/10/10	5/10/10	5/11/10
				Top (ft)	0	8	0	0	1
				Bottom (ft)	2	10	2	2	3
Duplicate	FS	FS	FS	FS	FS				
PCB-171/173	MG/KG	T							
PCB-180/193	MG/KG	T							
PCB-198/199	MG/KG	T							
PCB-21/33	MG/KG	T							
PCB-26/29	MG/KG	T							
PCB-28/20	MG/KG	T							
PCB-30/18	MG/KG	T							
PCB-44/47/65	MG/KG	T							
PCB-50/53	MG/KG	T							
PCB-59/62/75	MG/KG	T							
PCB-61/70/74/76	MG/KG	T							
PCB-69/49	MG/KG	T							
PCB-71/40	MG/KG	T							
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T							
ALUMINUM	MG/KG	T	990000	MG/KG	13800	13400	7330	5340	15400
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.06) UJ	ND (1.11) UJ	2.86 J	2.32 J	ND (1.07)
ARSENIC	MG/KG	T	11	MG/KG	ND (1)	^2.39	ND (0.996)	ND (1.03)	^1.84 J
BARIUM	MG/KG	T	190000	MG/KG	68.8	54.1	133	72.3	47.9
BERYLLIUM	MG/KG	T	2000	MG/KG	0.497 J	0.556 J	0.274 J	0.194 J	0.481 J
CADMIUM	MG/KG	T	800	MG/KG	0.595	0.351 J	0.414 J	0.588	0.183 J
CALCIUM	MG/KG	T			18100	9180	3040	25100	1090 J
CHROMIUM	MG/KG	T			377	68.3	36.7	41.5	27
COBALT	MG/KG	T	300	MG/KG	6.47	6.58	5.31	3.34	4.51
COPPER	MG/KG	T	41000	MG/KG	59.8	19.2	45.7	42.8	12.8
IRON	MG/KG	T	720000	MG/KG	55100	22700	19900	21700	15800
LEAD	MG/KG	T	800	MG/KG	32.6	21.6	73.9	46.6	14.4 J
MAGNESIUM	MG/KG	T			7360	5000	2960	11000	906
MANGANESE	MG/KG	T	23000	MG/KG	4030 J	1280 J	233 J	236 J	116 J
MERCURY	MG/KG	T	43	MG/KG	0.0235 J	0.0186 J	0.0917 J	0.0218 J	0.0188 J
NICKEL	MG/KG	T	20000	MG/KG	31.3	12.1	12.1	11.5	7.99
POTASSIUM	MG/KG	T			990 J	1250 J	2470 J	1860 J	833 J
SELENIUM	MG/KG	T	5100	MG/KG	1.5 J	ND (1.09)	ND (1.03)	ND (1.06)	ND (1.05)
SILVER	MG/KG	T	5100	MG/KG	1.84	ND (0.201)			ND (0.193)
SODIUM	MG/KG	T			128	143	100 J	129	106 J
THALLIUM	MG/KG	T	10	MG/KG	ND (1.53)	ND (1.62)	ND (1.52)	1.61 J	ND (1.55)
TITANIUM	MG/KG	T			1430	1190			494 J
VANADIUM	MG/KG	T			70.5	39.3	48.6	41.8	28.9
ZINC	MG/KG	T	310000	MG/KG	70.5	37.9	35.6	30.7	43.4
TOTAL ORGANIC CARBON	MG/KG	T							
HPCDFS	MG/KG	T							

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**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	MW-23	S05SB01	S05SB01	S05SB02	S05SB02	S05SB03	S05SB03	S05SB03	S05SB04
				Date	5/4/10	5/4/10	5/20/08	5/20/08	6/3/08	6/3/08	6/2/08	6/2/08	6/2/08	6/2/08
				Top (ft)	0	6	1	27.5	0	3	0	0	5	0
				Bottom (ft)	2	8	3	29.5	2	5	2	2	6.5	2
				Duplicate	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS
1,3-DICHLOROBENZENE	MG/KG	T			ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.04)	ND (0.039)
1,4-DICHLOROBENZENE	MG/KG	T	12	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.04)	ND (0.039)
ACETONE	MG/KG	T	630000	MG/KG			0.029	0.081	0.029	ND (0.008)	0.042	0.041	0.083	0.051
BENZENE	MG/KG	T	5.4	MG/KG			ND (0.0005)	ND (0.001)	ND (0.0006)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0006)	ND (0.0006)
CARBON DISULFIDE	MG/KG	T	3700	MG/KG			ND (0.001)	0.003 J	ND (0.001)	ND (0.001)	0.004 J	0.004 J	0.001 J	ND (0.001)
CARBON TETRACHLORIDE	MG/KG	T	3	MG/KG			ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CHLOROBENZENE	MG/KG	T	1400	MG/KG			ND (0.001)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
CHLOROFORM	MG/KG	T	1.5	MG/KG			ND (0.001)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG			ND (0.004)	0.011 J	ND (0.005)	ND (0.004)	ND (0.004)	ND (0.004)	0.007 J	ND (0.005)
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG			ND (0.002)	ND (0.005)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG			ND (0.001)	ND (0.003)	ND (0.001)	ND (0.001)	0.002 J	0.002 J	ND (0.001)	ND (0.001)
TRICHLOROETHENE	MG/KG	T	14	MG/KG			ND (0.001)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
XYLENES	MG/KG	T	2700	MG/KG			ND (0.001)	ND (0.003)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
2,4-DIMETHYLPHENOL	MG/KG	T	12000	MG/KG	ND (0.073)	ND (0.085)	ND (0.083)	ND (0.13)	ND (0.08)	ND (0.078)	ND (0.078)	ND (0.078)	ND (0.081)	ND (0.079)
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	0.095 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.047 J	ND (0.039)
4-METHYLPHENOL (P-CRESOL)	MG/KG	T	3100	MG/KG	ND (0.073)	ND (0.085)	ND (0.083)	0.76	ND (0.08)	ND (0.078)	ND (0.078)	ND (0.078)	ND (0.081)	ND (0.079)
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.21	0.17 J
ACENAPHTHYLENE	MG/KG	T			ND (0.036)	ND (0.042)	0.044 J	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.04)	ND (0.039)
ANTHRACENE	MG/KG	T	170000	MG/KG	0.039 J	ND (0.042)	ND (0.042)	0.065 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.52	0.43
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.26	0.064 J	0.1 J	0.11 J	ND (0.039)	0.12 J	0.12 J	0.074 J	1.3	2.1
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.3	0.07 J	0.11 J	0.13 J	ND (0.04)	ND (0.039)	0.17 J	0.096 J	1.5	^2.3
BENZO(G,H,I)PERYLENE	MG/KG	T			0.14 J	ND (0.042)	0.064 J	ND (0.063)	ND (0.04)	ND (0.039)	0.073 J	0.039 J	0.76	1
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	0.13 J	ND (0.042)	0.052 J	ND (0.063)	ND (0.04)	ND (0.039)	0.074 J	0.059 J	0.64	1
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	^0.23	0.052 J	0.085 J	0.086 J	ND (0.04)	ND (0.039)	0.12 J	0.062 J	^1.1	^1.7
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.073)	3.8	ND (0.083)	ND (0.13)	ND (0.08)	0.69	ND (0.078)	ND (0.078)	0.3 J	0.57
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.073)	ND (0.085)	ND (0.083)	ND (0.13)	ND (0.08)	ND (0.078)	ND (0.078)	ND (0.078)	ND (0.081)	ND (0.079)
CARBAZOLE	MG/KG	T			ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.26	0.12 J
CHRYSENE	MG/KG	T	210	MG/KG	0.26	0.071 J	0.12 J	0.16 J	ND (0.04)	ND (0.039)	0.12 J	0.083 J	1.2	1.8
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.13 J	^0.22
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.12 J	0.065 J
DIETHYL PHTHALATE	MG/KG	T	490000	MG/KG	ND (0.073)	ND (0.085)	ND (0.083)	ND (0.13)	ND (0.08)	ND (0.078)	ND (0.078)	ND (0.078)	ND (0.081)	ND (0.079)
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.42	0.13 J	0.14 J	0.25 J	ND (0.04)	ND (0.039)	0.19	0.14 J	2.4	3.1
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.26	0.15 J
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	0.18	0.84	0.11 J	^2.2	ND (0.04)	ND (0.039)	0.06 J	0.047 J	ND (0.04)	ND (0.039)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	0.13 J	ND (0.042)	0.052 J	ND (0.063)	ND (0.04)	ND (0.039)	0.054 J	ND (0.039)	0.64	0.97
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	0.13 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	0.075 J	ND (0.039)
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	0.17 J	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.04)	ND (0.039)
PHENANTHRENE	MG/KG	T			0.088 J	0.11 J	0.12 J	0.23 J	ND (0.04)	ND (0.039)	0.12 J	0.081 J	2.3	1.6
PHENOL	MG/KG	T	180000	MG/KG	ND (0.036)	ND (0.042)	ND (0.042)	ND (0.063)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.04)	ND (0.039)
PYRENE	MG/KG	T	17000	MG/KG	0.39	0.11 J	0.17 J	0.33	ND (0.04)	ND (0.039)	0.19	0.12 J	2.2	3
1,2,3,4,6,7,8-HPCDD	MG/KG	T					0.000223	0.000246	0.0000782	0.0000834	0.000143	0.000166	0.000485	0.000242
1,2,3,4,6,7,8-HPCDF	MG/KG	T					0.000055	0.00009	0.0000163	0.000026	0.0000898	0.0000858	0.000227	0.0000668
1,2,3,4,7,8,9-HPCDF	MG/KG	T					0.000012	0.000162	0.00000434	0.00000801 J	0.000022	0.0000225	0.0000974	0.0000318
1,2,3,4,7,8-HXCDD	MG/KG	T					0.00000218 J	0.0000053	0.00000114 J	0.000000863 J	0.00000198 J	0.00000341	0.0000049	0.00000226 J
1,2,3,4,7,8-HXCDF	MG/KG	T					0.00000946	0.000115	0.00000371	0.000000707 J	0.0000168	0.0000171	0.000103	0.0000344
1,2,3,6,7,8-HXCDD	MG/KG	T					0.00000687	0.00000887	0.00000191 J	0.00000138 J	0.00000488	0.00000641	0.0000165	0.00000751
1,2,3,6,7,8-HXCDF	MG/KG	T					0.00000448	0.00000748	0.00000139 J	0.000000247 J	0.00000907	0.0000123	0.0000156	0.00000704
1,2,3,7,8,9-HXCDD	MG/KG	T					0.00000576	0.00000967	0.00000305	0.00000231 J	0.0000052	0.00000687	0.00000958	0.00000501
1,2,3,7,8,9-HXCDF	MG/KG	T					0.00000224 J	0.00000335	0.000000826 J	ND (0.00000028)	0.00000312	0.00000465	ND (0.00000506)	0.00000565
1,2,3,7,8-PECDD	MG/KG	T					0.00000133 J	0.00000335	0.000000562 EMPC J	0.000000412 EMPC J	0.00000139 J	0.00000329	0.00000266	0.00000157 J
1,2,3,7,8-PECDF	MG/KG	T					0.00000287	0.0000363	0.00000122 J	ND (0.000000244) UJ	0.00000502	0.00000961	0.0000164	0.00000749
2,3,4,6,7,8-HXCDF	MG/KG	T					0.0000047	0.0000631	0.00000134 J	ND (0.000000244) UJ	0.00000585	0.0000126	0.0000143	0.00000704
2,3,4,7,8-PECDF	MG/KG	T					0.00000314	0.0000335	0.00000128 J	ND (0.000000244) UJ	0.00000427	0.0000151	0.0000142	0.00000633
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG			0.000000488	0.000000674	0.000000244 EMPC J	0.00000013 EMPC J	0.000000639	0.00000108	0.00000143	0.00000073
2,3,7,8-TCDF	MG/KG	T					0.00000193	0.0000158	0.00000153	0.000000172 J	0.00000406	0.00000752	0.00000906	0.0000056
HPCDDS	MG/KG	T					0.000499	0.000617	0.00023	0.000217	0.000356	0.000415	0.000864	0.000526
HXCDDS	MG/KG	T					0.000137 EMPC	0.000193	0.000109	0.00007 EMPC	0.000139 EMPC	0.000164 EMPC	0.000112 EMPC	0.0000965 EMPC
HXCDFS	MG/KG	T					0.0000578 EMPC	0.000657	0.0000171 EMPC	0.00000293 EMPC	0.0000781 EMPC	0.000117 EMPC	0.000279 EMPC	0.000106 EMPC
OCDD	MG/KG	T					0.00659	0.0086	0.00432	0.00459	0.00496	0.00581	0.00575	0.00697
OCDF	MG/KG	T					0.000939	0.0204 J	0.00037	0.0000456	0.00243	0.00428	0.0112 J	0.00121
TCDDS	MG/KG	T					0.0000125 EMPC	0.0000269 EMPC	0.0000104 EMPC	0.00000476 EMPC	0.0000146 EMPC	0.00003 EMPC	0.0000185 EMPC	0.0000136 EMPC
TCDFS	MG/KG	T					0.0000337 EMPC	0.000213 EMPC	0.0000147 EMPC	0.000003 EMPC	0.0000453 EMPC	0.000132 EMPC	0.000194 EMPC	0.0000785 EMPC
TOTAL HPCDD	MG/KG	T												
TOTAL HPCDF	MG/KG	T												

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	MW-23	S05SB01	S05SB01	S05SB02	S05SB02	S05SB03	S05SB03	S05SB03	S05SB04	
				Date	5/4/10	5/4/10	5/20/08	5/20/08	6/3/08	6/3/08	6/2/08	6/2/08	6/2/08	6/2/08	6/2/08
				Top (ft)	0	6	1	27.5	0	3	0	0	0	5	0
				Bottom (ft)	2	8	3	29.5	2	5	2	2	2	6.5	2
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS			
TOTAL HXCDD	MG/KG	T													
TOTAL HXCDF	MG/KG	T													
TOTAL PECDD	MG/KG	T													
TOTAL PECDDS	MG/KG	T					0.0000292	0.0000478 EMPC	0.0000233 EMPC	0.0000155 EMPC	0.0000318 EMPC	0.0000526	0.0000326	0.0000264	
TOTAL PECDF	MG/KG	T													
TOTAL PECDFS	MG/KG	T					0.0000364 EMPC	0.000348	0.0000115 EMPC	0.00000213 EMPC	0.000046 EMPC	0.000129 EMPC	0.000206 EMPC	0.0000745	
PCB 1	MG/KG	T					0.00000579	0.0000632	ND (0.00000042)	0.000000858	0.00000383	0.00000475	0.0000347	0.0000281	
PCB 10	MG/KG	T					0.00000124	ND (0.00000269)	ND (0.000000801)	ND (0.000000178)	0.000000499	0.000000432	ND (0.00000379)	ND (0.000000128)	
PCB 102	MG/KG	T					0.0000274	ND (0.0000165)	0.00000754	0.00000109	0.0000383	0.0000283	0.000205	0.000718	
PCB 103	MG/KG	T					0.00000551	ND (0.0000158)	0.00000222	ND (0.00000013)	0.000012	0.0000113	0.0000369	0.000152	
PCB 104	MG/KG	T					ND (0.00000012)	ND (0.00000612)	ND (0.0000000429)	ND (0.000000054)	ND (0.000000804)	ND (0.000000769)	ND (0.00000331)	0.00000831 EMPC	
PCB 105	MG/KG	T	0.38	MG/KG			0.000346	0.000174	0.000198	0.0000167	0.000671	0.000519	0.00215	0.0197 J	
PCB 106	MG/KG	T					ND (0.000000218)	ND (0.0000132)	ND (0.000000385)	ND (0.000000106)	ND (0.000000465)	ND (0.000000173)	ND (0.000000314)	ND (0.000000314)	
PCB 109	MG/KG	T					0.0000623	ND (0.0000123)	0.0000263	0.00000268	0.000106	0.0000938	0.000335	0.00266	
PCB 111	MG/KG	T					0.0000115 B	0.0000411	0.0000119 B	0.00000594 B	0.0000241	0.0000293	0.0000681	0.0000611	
PCB 110	MG/KG	T					0.00158	0.000606	0.000559	0.0000653	0.00304	0.00263	0.0104	0.0497	
PCB 111	MG/KG	T					0.000000486 EMPC	ND (0.0000125)	0.000000394	ND (0.000000101)	ND (0.000000442)	0.00000119	ND (0.00000409)	ND (0.000000299)	
PCB 112	MG/KG	T					ND (0.000000211)	ND (0.0000128)	ND (0.000000382)	ND (0.000000105)	ND (0.000000462)	ND (0.000000171)	ND (0.00000426)	ND (0.000000312)	
PCB 114	MG/KG	T	0.38	MG/KG			0.0000161	ND (0.0000132)	0.00000887	0.000000912 J	0.0000277	0.0000021	0.0000946	0.00108	
PCB 115	MG/KG	T					ND (0.000000209)	ND (0.0000127)	ND (0.000000371)	ND (0.000000102)	ND (0.000000448)	ND (0.000000166)	ND (0.000000411)	0.00066	
PCB 117	MG/KG	T					0.0000183	ND (0.0000128)	0.00000738	0.00000066	ND (0.000000496)	0.0000491	0.000132	0.000922	
PCB 118	MG/KG	T	0.38	MG/KG			0.000837	0.000362	0.000422	0.0000385	0.00151	0.00132	0.00448 J	0.0459 J	
PCB 120	MG/KG	T					ND (0.000000206)	ND (0.0000125)	0.00000142	ND (0.000000102)	0.00000696	0.00000727	0.0000129 EMPC	ND (0.000000303)	
PCB 121	MG/KG	T					ND (0.000000206)	ND (0.0000125)	ND (0.000000375)	ND (0.000000103)	0.000000771	0.000000449	ND (0.00000418)	ND (0.000000306)	
PCB 122	MG/KG	T					0.0000114	ND (0.0000152)	0.00000546	ND (0.000000108)	0.0000202	0.000016	0.0000885	0.000486	
PCB 123	MG/KG	T	0.38	MG/KG			0.0000175	ND (0.0000126)	0.00000934	0.000000833 J	0.0000348	0.0000281	0.000147	0.000743	
PCB 126	MG/KG	T	0.00011	MG/KG			0.00000808	ND (0.0000166)	0.00000328	0.000000425 J	0.00000581	0.00000746	0.0000396	0.0000312	
PCB 127	MG/KG	T					0.00000215	ND (0.0000126)	ND (0.000000357)	ND (0.0000000923)	ND (0.00000043)	ND (0.000000155)	ND (0.000000411)	ND (0.00000031)	
PCB 130	MG/KG	T					0.000128	0.0000701	0.0000451	0.00000541	0.000247	0.00018	0.00104	0.00334	
PCB 131	MG/KG	T					0.0000273	ND (0.0000103)	0.00000726	0.000000927 EMPC	0.0000532	0.0000376	0.000146	0.000846	
PCB 132	MG/KG	T					0.000748	0.000556	0.000215	0.0000308	0.00124	0.00089	0.00503	0.0163	
PCB 133	MG/KG	T					0.0000289	0.0000362 EMPC	0.0000124	0.00000138	0.000046	0.0000366	0.000215	0.000515	
PCB 134	MG/KG	T					0.000137	0.0000992	0.0000431	0.00000504	0.000232	0.000171	0.000796	0.00313	
PCB 136	MG/KG	T					0.000243	0.000281	0.0000733	0.0000123	0.000431	0.000336	0.00166	0.00492	
PCB 137	MG/KG	T					0.0000644	ND (0.00000792)	ND (0.000000857)	0.00000276	0.000184	0.000111	0.000695	0.00302	
PCB 14	MG/KG	T					ND (0.00000017)	0.0000144	ND (0.000000202)	ND (0.000000227)	0.00000105	ND (0.000000151)	ND (0.00000688)	ND (0.000000206)	
PCB 141	MG/KG	T					0.000454	0.000445	0.000203	0.0000256	0.000614	0.000459	0.00406	0.0082	
PCB 142	MG/KG	T					ND (0.000000227)	ND (0.0000101)	ND (0.000000104)	ND (0.000000112)	ND (0.000000175)	ND (0.000000112)	ND (0.000000541)	ND (0.000000222)	
PCB 143	MG/KG	T					ND (0.000000199)	ND (0.00000886)	ND (0.0000000967)	ND (0.0000000967)	ND (0.000000151)	ND (0.0000000971)	ND (0.000000468)	ND (0.000000192)	
PCB 144	MG/KG	T					0.000119	0.000134	0.0000321	0.00000507	0.000144	0.000109	0.000735	0.00175	
PCB 145	MG/KG	T					ND (0.000000138)	ND (0.00000542)	ND (0.0000000612)	ND (0.0000000761)	0.00000147	0.00000111	ND (0.00000374)	0.0000205	
PCB 146	MG/KG	T					0.000322	0.000289	0.000119	0.0000154	0.00045	0.000364	0.00263	0.00523	
PCB 148	MG/KG	T					ND (0.000000214)	ND (0.00000955)	0.000000942	ND (0.000000101)	0.00000253	0.00000205	ND (0.00000488)	0.0000227	
PCB 15	MG/KG	T					0.00011	0.0000778	0.0000267	0.00000582	0.0000539	0.0000493	0.000408	0.000635	
PCB 150	MG/KG	T					0.00000198	ND (0.00000522)	0.000000562	ND (0.0000000725)	0.0000033	0.00000267	0.000011	0.0000377	
PCB 152	MG/KG	T					0.00000121 EMPC	ND (0.00000513)	0.000000363	ND (0.0000000709)	0.00000346	0.00000253	0.00000763 EMPC	0.0000431	
PCB 154	MG/KG	T					0.0000166	ND (0.00000824)	0.00000564	0.000000581	0.0000268	0.0000218	0.000078	0.000315	
PCB 155	MG/KG	T					ND (0.000000133)	ND (0.00000522)	ND (0.0000000585)	ND (0.0000000728)	ND (0.000000115)	ND (0.0000000722)	ND (0.000000358)	ND (0.000000146)	
PCB 158	MG/KG	T					0.000214	0.000154	0.0000778	0.0000103	0.000359	0.000263	0.00167	0.00557	
PCB 159	MG/KG	T					0.0000286	0.0000396	0.0000115	0.00000201	0.0000312	0.0000242	0.000289	0.000181	
PCB 16	MG/KG	T					0.0000864	0.0000441	0.0000144	0.00000304	0.0000336	0.0000181	0.000149	0.000302	
PCB 162	MG/KG	T					0.00000922	ND (0.0000128)	0.00000283	0.000000328	0.0000129	0.00000957	0.000053	0.0002	
PCB 164	MG/KG	T					0.000167	0.000121	0.000081	0.00000846	0.000279	0.000232	0.00149	0.00329	
PCB 165	MG/KG	T					ND (0.00000017)	ND (0.00000756)	ND (0.0000000753)	ND (0.0000000807)	ND (0.000000126)	0.000000769	ND (0.00000391)	ND (0.00000016)	
PCB 167	MG/KG	T	0.38	MG/KG			0.0000928	0.0000588	0.0000389	0.00000426	0.00017	0.000125	0.00077	0.0027	
PCB 169	MG/KG	T	0.00038	MG/KG			0.00000675	ND (0.0000198)	0.00000271	ND (0.000000147)	0.00000629	0.0000063	0.0000572	0.0000436	
PCB 17	MG/KG	T					0.0000955	0.0000419	0.0000164	0.00000334	0.0000417	0.0000212	0.000131	0.000287	
PCB 170	MG/KG	T					0.00083	0.000738	0.000283	0.0000457	0.000811	0.000665	0.00722	0.00645	
PCB 172	MG/KG	T					0.000158	0.0005	0.0000545	0.00000794	0.00014	0.00012	0.00124	0.000954	
PCB 174	MG/KG	T					0.000855	0.00117	0.000284	0.0000475	0.000791	0.000669	0.00715	0.0053	
PCB 175	MG/KG	T					0.0000348	0.000164	0.0000116	0.00000185	0.0000319	0.0000285	0.000242	0.000251	
PCB 176	MG/KG	T					0.0000897	0.00014	0.0000314	0.00000507	0.0000941	0.0000803	0.000752	0.000608	
PCB 177	MG/KG	T					0.000486	0.000543	0.000169	0.0000264	0.000454	0.0004	0.00411	0.00329	
PCB 178	MG/KG	T					0.000162	0.000572	0.0000724	0.00000988	0.000169	0.000146	0.00152	0.00082	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	MW-23	S05SB01	S05SB01	S05SB02	S05SB02	S05SB03	S05SB03	S05SB03	S05SB04	
				Date	5/4/10	5/4/10	5/20/08	5/20/08	6/3/08	6/3/08	6/2/08	6/2/08	6/2/08	6/2/08	6/2/08
				Top (ft)	0	6	1	27.5	0	3	0	0	0	5	0
				Bottom (ft)	2	8	3	29.5	2	5	2	2	2	6.5	2
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS			
PCB 179	MG/KG	T					0.000354	0.000582	0.000123	0.0000195	0.000326	0.000295	0.00299	0.00173	
PCB 181	MG/KG	T				0.00000779	ND (0.0000137)	0.0000153	ND (0.00000179)	0.00000976	0.0000692	0.0000347	EMPC	0.000142	
PCB 182	MG/KG	T				ND (0.00000799)	0.0000897	0.00000141	ND (0.00000017)	0.00000401	0.00000318	0.0000182		0.000039	
PCB 183	MG/KG	T				0.000502	0.000977	0.000162	0.000026	0.000438	0.000381	0.00336		0.00312	
PCB 184	MG/KG	T				ND (0.00000017)	ND (0.00000267)	0.00000586	ND (0.000000109)	0.00000826	EMPC	ND (0.000000917)	ND (0.00000351)	ND (0.000000164)	
PCB 185	MG/KG	T				0.00011	0.000202	0.0000307	0.00000479	0.0000644	0.0000798	0.000784		0.000516	
PCB 186	MG/KG	T				ND (0.000000162)	0.0000167	ND (0.000000693)	ND (0.000000108)	ND (0.000000136)	ND (0.000000909)	ND (0.00000348)		ND (0.000000163)	
PCB 187	MG/KG	T				0.00124	0.00285	0.000448	0.0000638	0.00103	0.000933	0.0097		0.00576	
PCB 188	MG/KG	T				ND (0.000000156)	0.0000218	EMPC	0.000000997	0.00000132	ND (0.000000836)	ND (0.00000032)		ND (0.00000015)	
PCB 189	MG/KG	T	0.38	MG/KG		0.0000325	0.0000745	0.0000102	0.00000151	0.0000299	0.0000264	0.00021		0.000252	
PCB 19	MG/KG	T				0.0000219	0.00000779	0.00000344	0.00000082	0.0000953	0.0000193	0.0000376		0.000128	
PCB 190	MG/KG	T				0.000162	0.00016	0.0000573	0.00000937	0.000148	0.000118	0.00141		0.000999	
PCB 191	MG/KG	T				0.0000353	0.000055	0.0000101	0.00000169	0.000029	0.0000256	0.00024		0.000214	
PCB 194	MG/KG	T				0.000517	0.00413	0.000227	0.0000291	0.000474	0.000437	0.00403		0.00163	
PCB 195	MG/KG	T				0.000179	0.000795	0.000067	0.00001	0.000157	0.000148	0.00167		0.000623	
PCB 196	MG/KG	T				0.000243	0.0057	0.000094	0.0000149	0.000225	0.000191	0.00199		0.000589	
PCB 197	MG/KG	T				0.0000174	0.000461	0.00000539	0.000000879	EMPC	0.0000131	ND (0.000000201)		0.0000363	
PCB 2	MG/KG	T				0.0000117	0.0000956	0.00000227	0.000000957	0.00000777	0.00000923	0.0000209		0.000012	
PCB 200	MG/KG	T				0.0000642	0.000611	0.0000282	0.00000423	0.0000679	0.0000789	0.000641		0.000215	
PCB 201	MG/KG	T				0.0000735	0.00233	0.0000271	0.0000043	0.0000634	0.0000571	0.000502		0.000196	
PCB 202	MG/KG	T				0.000178	0.00973	0.0000725	0.00000936	0.000145	0.000128	0.000994		0.000421	
PCB 203	MG/KG	T				0.000423	0.00935	0.000177	0.0000236	0.000367	0.000321	0.00298		0.000889	
PCB 204	MG/KG	T				ND (0.000000257)	0.0000979	ND (0.000000122)	ND (0.000000157)	ND (0.000000365)	ND (0.000000234)	ND (0.00000594)		ND (0.000000792)	
PCB 205	MG/KG	T				0.0000227	0.00034	0.0000952	0.0000014	0.0000221	0.000019	0.000229		0.0000744	
PCB 206	MG/KG	T				0.00102	0.212	0.000447	0.0000566	0.000596	0.000559	0.00283		0.00135	
PCB 207	MG/KG	T				0.0000866	0.0145	0.0000304	0.00000592	0.0000654	0.000064	0.000417		0.000116	
PCB 208	MG/KG	T				0.000336	0.0884	0.000119	0.0000218	0.000191	0.000199	0.00113		0.000428	
PCB 209	MG/KG	T				0.0057 J	0.298 J	0.00166	0.000213	0.00754 J	0.0125 J	0.099 J		0.00743 J	
PCB 22	MG/KG	T				0.000141	0.0000624	0.0000294	0.000006	0.0000392	0.0000387	0.000259		0.000476	
PCB 23	MG/KG	T				ND (0.000000243)	ND (0.00000526)	ND (0.000000131)	ND (0.000000139)	ND (0.000000157)	0.000000213	ND (0.00000316)		ND (0.000000685)	
PCB 24	MG/KG	T				0.00000283	ND (0.00000375)	0.000000585	ND (0.000000771)	0.00000183	0.00000698	EMPC		0.00000887	
PCB 25	MG/KG	T				0.0000249	ND (0.00000483)	0.0000112	0.00000139	0.0000145	0.00000871	0.000056		0.00012	
PCB 27	MG/KG	T				0.0000168	ND (0.00000358)	0.00000348	0.000000702	0.0000536	0.000011	0.0000256		0.0000656	
PCB 3	MG/KG	T				0.0000148	0.000108	0.00000446	0.0000018	EMPC	0.0000108	EMPC		0.000045	
PCB 31	MG/KG	T				0.000288	0.000212	0.0000852	0.0000142	0.0000988	0.0000869	0.00133		0.00133	
PCB 32	MG/KG	T				0.0000876	0.000047	0.0000183	0.0000032	0.000155	0.0000465	0.00014		0.000329	
PCB 34	MG/KG	T				ND (0.00000024)	ND (0.00000519)	ND (0.00000013)	ND (0.000000137)	0.00000125	0.000000454	ND (0.00000313)		0.0000064	
PCB 35	MG/KG	T				0.00000839	0.0000237	0.0000022	ND (0.000000138)	0.00000392	0.00000615	0.0000333		0.0000301	
PCB 36	MG/KG	T				ND (0.000000237)	ND (0.00000514)	ND (0.000000124)	ND (0.000000131)	ND (0.000000148)	ND (0.000000129)	ND (0.00000299)		ND (0.000000648)	
PCB 37	MG/KG	T				0.00018	0.0000752	0.0000585	0.00000891	0.0000732	0.0000857	0.00059		0.00104	
PCB 38	MG/KG	T				ND (0.000000249)	ND (0.00000539)	ND (0.000000131)	ND (0.000000138)	ND (0.000000156)	ND (0.000000136)	ND (0.00000315)		ND (0.000000683)	
PCB 39	MG/KG	T				ND (0.000000235)	ND (0.00000509)	ND (0.00000012)	ND (0.000000126)	0.00000447	0.0000018	ND (0.00000289)		0.0000128	
PCB 4	MG/KG	T				0.0000244	0.0000157	0.00000636	0.00000141	0.00000589	0.00000706	0.0000692		0.000119	
PCB 41	MG/KG	T				0.0000251	ND (0.00000855)	0.00000823	0.00000146	0.0000102	0.00000548	0.0000725		0.0000896	
PCB 42	MG/KG	T				0.0000786	0.0000819	0.0000409	0.00000511	0.0000843	0.000045	0.000279		0.000835	
PCB 43	MG/KG	T				0.00000829	ND (0.00000904)	0.00000322	0.000000544	0.00000728	0.00000321	ND (0.00000537)		0.0000781	
PCB 45	MG/KG	T				0.0000497	0.0000412	0.0000147	0.00000264	0.000126	0.0000288	0.000294		0.000506	
PCB 46	MG/KG	T				0.0000201	0.0000189	EMPC	0.00000563	0.00000114	0.0000439	0.000012		0.000198	
PCB 48	MG/KG	T				0.0000444	0.0000628	0.0000166	0.00000266	0.0000252	0.0000139	0.000152		0.000336	
PCB 5	MG/KG	T				0.00000126	0.0000125	0.0000021	B	0.00000149	B	0.00000196	B	ND (0.00000836)	0.00000691
PCB 51	MG/KG	T				0.0000115	0.0000147	0.00000463	0.000000779	EMPC	0.0000316	0.00000935		0.0000964	
PCB 52	MG/KG	T				0.000548	0.000391	0.000205	0.0000253	0.000663	0.000479	0.0017		0.0192	
PCB 54	MG/KG	T				0.000000799	ND (0.00000506)	0.000000157	ND (0.0000000811)	0.00000402	0.00000115	0.00000775		0.00000818	
PCB 55	MG/KG	T				0.00000762	ND (0.0000105)	ND (0.000000573)	ND (0.000000254)	ND (0.00000157)	ND (0.00000111)	ND (0.00000973)		ND (0.0000305)	
PCB 56	MG/KG	T				0.000169	0.000177	0.000098	0.00000976	0.0000828	0.0000869	0.000611		0.00183	
PCB 57	MG/KG	T				0.00000143	ND (0.0000104)	ND (0.000000551)	ND (0.000000244)	ND (0.00000151)	ND (0.00000107)	ND (0.00000936)		ND (0.0000293)	
PCB 58	MG/KG	T				ND (0.000000443)	ND (0.0000104)	ND (0.000000554)	ND (0.000000245)	ND (0.00000152)	ND (0.00000108)	ND (0.0000094)		ND (0.0000295)	
PCB 6	MG/KG	T				0.0000139	0.0000224	0.0000123	0.00000139	0.00000701	0.00000733	0.0000571		0.0000927	
PCB 60	MG/KG	T				0.0000961	0.000117	0.0000552	0.00000554	0.0000347	0.0000381	0.000309		0.000735	
PCB 63	MG/KG	T				0.0000121	ND (0.00000952)	0.00000724	0.000000641	0.00000557	0.00000601	0.0000399		0.000152	
PCB 64	MG/KG	T				0.000144	0.000155	0.0000826	0.0000101	0.000143	0.000117	0.0007		0.00256	
PCB 66	MG/KG	T				0.000358	0.000368	0.000202	0.0000181	0.000225	0.000233	0.0013		0.00466	
PCB 67	MG/KG	T				0.0000103	ND (0.00000947)	0.00000407	0.000000504	EMPC	0.00000365	0.00000447		0.0000444	
PCB 68	MG/KG	T				0.00000181	ND (0.00000926)	0.00000154	ND (0.000000224)	0.00000938	0.0000054	ND (0.00000857)		0.0000165	

FED\_MCL  
 < and ND = Non detect at stated reporting limit





**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-23	MW-23	S05SB01	S05SB01	S05SB02	S05SB02	S05SB03	S05SB03	S05SB03	S05SB04	
				Date	5/4/10	5/4/10	5/20/08	5/20/08	6/3/08	6/3/08	6/2/08	6/2/08	6/2/08	6/2/08	
				Top (ft)	0	6	1	27.5	0	3	0	0	0	5	0
				Bottom (ft)	2	8	3	29.5	2	5	2	2	2	6.5	2
				Duplicate	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS
CHROMIUM	MG/KG	T			35.6	204	37	83.4	34.6 J	33.3 J	53.8	43.6	166	46.5	
COBALT	MG/KG	T	300	MG/KG	5.93	4.71	8.26	6.3	9.7	8.07	ND (1.09)	ND (1.11)	ND (2.27)	ND (2.19)	
COPPER	MG/KG	T	41000	MG/KG	31.8	49.6	85.4	92.4	41.7	21.1	1030	486	90.3	48.9	
IRON	MG/KG	T	720000	MG/KG	29500	24800	25300	7860	24000	22600	32800	24800	25000	24100	
LEAD	MG/KG	T	800	MG/KG	51	70.4	198	177	44.5	13.6	199	230	348	320	
MAGNESIUM	MG/KG	T		MG/KG	1460	6490	1730	1500	2010	2210	2000	1890	1040	1770	
MANGANESE	MG/KG	T	23000	MG/KG	246	330	201 J	86.2 J	213	165	180	206	223	221	
MERCURY	MG/KG	T	43	MG/KG	0.121	0.408	0.62	1.41	0.0655 J	0.0177 J	0.585 J	0.422 J	0.483 J	0.36 J	
NICKEL	MG/KG	T	20000	MG/KG	12.8	12.1	19.9	11	15.7	16.3	22.6	22.6	23.6	27.2	
POTASSIUM	MG/KG	T			1340 J	930 J	1180 J	1730 J	1180 J	1980 J	1500 J	1450 J	1130 J	1510 J	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.07)	ND (1.21)	ND (1.2)	ND (1.84)	1.42 J	ND (1.12)	ND (1.12) UJ	ND (1.14) UJ	ND (1.17) UJ	ND (1.13) UJ	
SILVER	MG/KG	T	5100	MG/KG	ND (0.196)		0.688	1.2	ND (0.201)	ND (0.194)	0.587	0.711	0.485 J	0.681	
SODIUM	MG/KG	T			68.5 J	130	112 J	475	69.4 J	102 J	ND (42.6)	ND (43.5)	ND (44.7)	ND (42.9)	
THALLIUM	MG/KG	T	10	MG/KG	1.74 J	ND (1.79)	ND (0.182) UJ	0.324 J	ND (0.175)	ND (0.174)	ND (0.173)	ND (0.175)	0.214 J	ND (0.176)	
TITANIUM	MG/KG	T					2090	6230	1040	1010	2710	2610	2450	2810	
VANADIUM	MG/KG	T			41.5	37.6	53.1	53.3	51.6	38.7	91.1 J	81.2 J	65.4 J	113 J	
ZINC	MG/KG	T	310000	MG/KG	47.3	44.4	75.7	194	41.5	32.9	80.2 J	98.7 J	424 J	88.5 J	
TOTAL ORGANIC CARBON	MG/KG	T					15400	32200	ND (447)	ND (302)	1290	4420	13700	3320	
HPCDFS	MG/KG	I					0.000118	0.00143	0.0000313	0.00000503 EMPC	0.000167	0.000166	0.00065	0.000165	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB04	S05SB06	S05SB06	S05SB07	S05SB07	S05SB08	S05SB08	S05SB09	S05SB09
				Date	6/2/08	5/19/08	5/19/08	5/20/08	5/20/08	5/19/08	5/19/08	5/20/08	5/20/08
				Top (ft)	4.5	0	17	13	18	0	19	0	13
				Bottom (ft)	6.5	2	19	15	20	2	21	2	15
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,3-DICHLOROBENZENE	MG/KG	T			ND (0.041)	ND (0.04)	0.13 J	ND (0.04)	ND (0.04)	ND (0.038)	ND (0.044)	ND (0.038)	ND (0.041)
1,4-DICHLOROBENZENE	MG/KG	T	12	MG/KG	ND (0.041)	ND (0.04)	0.057 J	ND (0.04)	ND (0.038)	ND (0.038)	0.08 J	ND (0.038)	0.31
ACETONE	MG/KG	T	630000	MG/KG	0.02 J	0.026	0.043	0.026 J	0.019 J	0.011 J	0.033	0.009 J	0.034
BENZENE	MG/KG	T	5.4	MG/KG	ND (0.0006)	ND (0.0005)	0.002 J	ND (0.0007)	ND (0.0005)	ND (0.0005)	0.0008 J	ND (0.0005)	0.0007 J
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	0.002 J	0.001 J	0.01	0.004 J	0.001 J	ND (0.0009)	0.002 J	ND (0.001)	0.009
CARBON TETRACHLORIDE	MG/KG	T	3	MG/KG	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)
CHLOROACETONE	MG/KG	T	1400	MG/KG	ND (0.001)	ND (0.001)	0.002 J	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	0.004 J
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	ND (0.005)	ND (0.004)	MG/KG	ND (0.006)	ND (0.006)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.005)
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	ND (0.002)	ND (0.002)	ND (0.003)	ND (0.003)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)
XYLENES	MG/KG	T	2700	MG/KG	ND (0.001)	ND (0.001)	MG/KG	0.006 J	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)
2,4-DIMETHYLPHENOL	MG/KG	T	12000	MG/KG	ND (0.082)	ND (0.08)	ND (0.096)	ND (0.08)	ND (0.08)	ND (0.076)	ND (0.087)	ND (0.076)	ND (0.081)
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.041)	ND (0.04)	0.35	ND (0.04)	ND (0.04)	ND (0.038)	0.052 J	ND (0.038)	0.11 J
4-METHYLPHENOL (P-CRESOL)	MG/KG	T	3100	MG/KG	ND (0.082)	ND (0.08)	ND (0.096)	ND (0.08)	ND (0.08)	ND (0.076)	ND (0.087)	ND (0.076)	ND (0.081)
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.041)	ND (0.04)	0.12 J	ND (0.04)	ND (0.04)	ND (0.038)	0.052 J	ND (0.038)	0.1 J
ACENAPHTHYLENE	MG/KG	T			ND (0.041)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.038)	ND (0.044)	ND (0.038)	ND (0.041)
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.041)	0.16 J	0.078 J	ND (0.04)	ND (0.04)	ND (0.038)	0.14 J	ND (0.038)	0.31
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.064 J	0.32	0.21 J	0.053 J	0.064 J	ND (0.038)	0.28	ND (0.038)	0.97
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.08 J	0.44	0.24	0.056 J	0.068 J	ND (0.038)	0.41	ND (0.038)	0.81
BENZO(G,H,I)PERYLENE	MG/KG	T			ND (0.041)	0.2	0.17 J	ND (0.04)	ND (0.04)	ND (0.038)	0.15 J	ND (0.038)	0.29
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.041)	0.19 J	0.074 J	ND (0.04)	ND (0.04)	ND (0.038)	0.14 J	ND (0.038)	0.36
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	0.044 J	0.31	0.22 J	ND (0.04)	0.052 J	ND (0.038)	0.23	ND (0.038)	0.61
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	0.66	ND (0.08)	ND (0.096)	ND (0.08)	ND (0.08)	ND (0.076)	0.36 J	ND (0.076)	0.5
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.082)	ND (0.08)	ND (0.096)	ND (0.08)	ND (0.08)	ND (0.076)	ND (0.087)	ND (0.076)	0.12 J
CARBAZOLE	MG/KG	T			ND (0.041)	0.082 J	0.13 J	ND (0.04)	ND (0.04)	ND (0.038)	0.056 J	ND (0.038)	0.056 J
CHRYSENE	MG/KG	T	210	MG/KG	0.064 J	0.33	0.41	0.083 J	0.068 J	ND (0.038)	0.31	ND (0.038)	0.86
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.041)	0.041 J	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.038)	ND (0.044)	ND (0.038)	0.06 J
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.041)	0.048 J	0.37	ND (0.04)	ND (0.04)	ND (0.038)	ND (0.044)	ND (0.038)	ND (0.041)
DIETHYL PHTHALATE	MG/KG	T	490000	MG/KG	ND (0.082)	ND (0.08)	ND (0.096)	ND (0.08)	ND (0.08)	ND (0.076)	ND (0.087)	ND (0.076)	ND (0.081)
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.13 J	0.66	0.29	0.09 J	0.11 J	ND (0.038)	0.54	ND (0.038)	2.1
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.041)	0.079 J	0.55	ND (0.04)	ND (0.04)	ND (0.038)	0.049 J	ND (0.038)	0.11 J
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.041)	ND (0.04)	0.25	0.12 J	0.17 J	ND (0.038)	0.22	ND (0.038)	0.089 J
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.041)	0.19 J	0.11 J	ND (0.04)	ND (0.04)	ND (0.038)	0.13 J	ND (0.038)	0.27
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.041)	ND (0.04)	1.1	ND (0.04)	ND (0.04)	ND (0.038)	0.083 J	ND (0.038)	0.096 J
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.041)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.038)	ND (0.044)	ND (0.038)	ND (0.041)
PHENANTHRENE	MG/KG	T			0.13 J	0.62	0.14 J	ND (0.04)	0.068 J	ND (0.038)	0.44	ND (0.038)	1.1
PHENOL	MG/KG	T	180000	MG/KG	ND (0.041)	ND (0.04)	ND (0.048)	ND (0.04)	ND (0.04)	ND (0.038)	ND (0.044)	ND (0.038)	ND (0.041)
PYRENE	MG/KG	T	17000	MG/KG	0.12 J	0.58	0.81	0.088 J	0.12 J	ND (0.038)	0.51	ND (0.038)	2
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.000122	0.000378	0.000238	0.0000515	0.000169	0.0000499	0.000225	0.0000872	0.00016
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000719	0.000259	0.000217	0.000101	0.000166	0.0000483	0.000212	0.0000589	0.0000968
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0000477	0.0000312	0.0000364	0.000103	0.00006	0.0000159 J	0.0000704	0.0000162 J	0.0000505
1,2,3,4,7,8-HXCDD	MG/KG	T			0.0000197 J	0.0000108	0.0000291	0.00000931 J	0.00000501	0.00000607 J	0.00000277	0.00000993 J	0.0000126 J
1,2,3,4,7,8-HXCDF	MG/KG	T			0.0000334	0.000065	0.0000305	0.00014	0.0000639	0.0000109 J	0.0000934	0.000017 J	0.0000447
1,2,3,6,7,8-HXCDD	MG/KG	T			0.0000408	0.0000223	0.0000922	0.0000186 J	0.0000114	0.00000106 EMPC J	0.000012	0.0000177 J	0.0000404
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000956	0.00005	0.0000152	0.0000107	0.0000292	0.00000429 J	0.0000182	0.0000066 J	0.00000959
1,2,3,7,8,9-HXCDD	MG/KG	T			0.0000377	0.0000168	0.0000634	0.00000174 J	0.00000832	0.00000181 J	0.00000519	0.00000311	0.00000332
1,2,3,7,8,9-HXCDF	MG/KG	T			0.00000826	0.0000185	0.00000808	0.00000735	0.0000146	ND (0.00000233) UJ	0.0000096	0.00000388 J	0.0000113
1,2,3,7,8-PECDD	MG/KG	T			0.0000153 J	0.0000981	0.0000204	0.00000631 EMPC J	0.00000467	0.0000032 EMPC J	0.00000219 J	0.00000541 EMPC J	0.00000974 J
1,2,3,7,8-PECDF	MG/KG	T			0.00000862	0.0000253	0.000013	0.0000149	0.0000222	0.00000376 J	0.0000194	0.00000506 J	0.00000827
2,3,4,6,7,8-HXCDF	MG/KG	T			0.00000868	0.0000554	0.0000142	0.00000453	0.0000317	ND (0.00000233) UJ	0.0000171	0.0000061 J	0.0000141
2,3,4,7,8-PECDF	MG/KG	T			0.0000076	0.0000413	0.0000143	0.00000455	0.0000257	0.00000319 EMPC J	0.0000149	0.00000483 EMPC J	0.00000613
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.00000219	0.00000221	0.00000736 EMPC	0.00000583 EMPC	0.00000428	0.000000921 EMPC J	0.00000455	0.000000142 EMPC J	0.00000123
2,3,7,8-TCDF	MG/KG	T			0.00000563	0.0000227	0.0000101	0.0000045	0.000018	0.00000252 EMPC J	0.0000105	0.000000424 J	0.00000452
HPCDD	MG/KG	T			0.000268	0.000761	0.000558	0.000112	0.000337	0.000143	0.0004	0.000262	0.000366
HXCDD	MG/KG	T			0.0000678	0.000284	0.000169 EMPC	0.0000431 EMPC	0.000151	0.0000727 EMPC	0.0000941 EMPC	0.000122	0.0000699 EMPC
HXCDF	MG/KG	T			0.000114 EMPC	0.000481	0.00021	0.000201	0.00032	0.0000051 EMPC	0.000283	0.00000768 EMPC	0.00013
OCDD	MG/KG	T			0.00879	0.0104 J	0.0101 J	0.00576	0.00483	0.00243	0.00475	0.00491	0.00433
OCDF	MG/KG	T			0.00112	0.000818	0.00419	0.0019	0.0019	0.0000815	0.0192 J	0.0000997	0.00138
TCDD	MG/KG	T			0.0000139 EMPC	0.0000918	0.0000504 EMPC	0.00000756 EMPC	0.0000634 EMPC	0.00000401 EMPC	0.0000257 EMPC	0.00000857 EMPC	0.0000106 EMPC
TCDF	MG/KG	T			0.0000892 EMPC	0.000431 EMPC	0.000111 EMPC	0.0000444 EMPC	0.000368 EMPC	0.00000402 EMPC	0.000141 EMPC	0.00000605 EMPC	0.0000613 EMPC
TOTAL HPCDD	MG/KG	T											
TOTAL HPCDF	MG/KG	T											

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB04	S05SB06	S05SB06	S05SB07	S05SB07	S05SB08	S05SB08	S05SB09	S05SB09
				Date	6/2/08	5/19/08	5/19/08	5/20/08	5/20/08	5/19/08	5/19/08	5/20/08	5/20/08
				Top (ft)	4.5	0	17	13	18	0	19	0	13
				Bottom (ft)	6.5	2	19	15	20	2	21	2	15
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HXCDD	MG/KG	T											
TOTAL HXCDF	MG/KG	T											
TOTAL PECDD	MG/KG	T											
TOTAL PECDDS	MG/KG	T			0.000026 EMPC	0.000161	0.0000472	0.0000163 EMPC	0.0000855	0.000013 EMPC	0.0000343	0.0000229 EMPC	0.0000186 EMPC
TOTAL PECDF	MG/KG	T											
TOTAL PECDFS	MG/KG	T			0.000089 EMPC	0.000453	0.000141 EMPC	0.0000576	0.000302	0.0000036 EMPC	0.000167 EMPC	0.00000537 EMPC	0.0000677
PCB 1	MG/KG	T			0.0000524	0.0000468	0.0000833	0.0000138	0.000127	ND (0.000000256)	0.000118	ND (0.000000266)	0.00127
PCB 10	MG/KG	T			0.00000955	0.00000417	ND (0.00000144)	0.00000183	0.0000143	ND (0.000000687)	0.000316	ND (0.000000756)	0.000158
PCB 102	MG/KG	T			0.0000853	0.00469	ND (0.00000427)	ND (0.00000245)	0.000268	0.00000666	ND (0.0000016)	0.00000165	0.000143
PCB 103	MG/KG	T			0.0000279	0.000794	0.000332	ND (0.00000024)	0.0000486	0.00000113	0.000223	ND (0.000000833)	ND (0.000000636)
PCB 104	MG/KG	T			ND (0.000000413)	0.00000335 EMPC	ND (0.00000332)	ND (0.000000938)	ND (0.000000295)	ND (0.000000744)	ND (0.000000511)	ND (0.000000529)	ND (0.000000404)
PCB 105	MG/KG	T	0.38	MG/KG	0.00125	0.0864 J	0.00199	0.000415	0.00225	0.000218	0.00885 J	0.0000639	0.002
PCB 106	MG/KG	T			ND (0.000000589)	ND (0.00000432)	ND (0.00000384)	ND (0.00000204)	0.0000861	ND (0.000000144)	0.00059 EMPC	ND (0.000000709)	ND (0.000000541)
PCB 109	MG/KG	T			0.00019	0.0128	ND (0.00000354)	0.0000694	0.000367	0.0000306	ND (0.00000119)	0.0000102	0.000277
PCB 11	MG/KG	T			0.0000193	0.000045	0.000195	0.0000246	0.0000704	0.00000443 B	0.000147	0.00000523 B	0.0000989
PCB 110	MG/KG	T			0.00377	0.26	0.0118	0.00138	0.0103	0.000498	ND (0.00000124)	0.000152	0.00623
PCB 111	MG/KG	T			0.00000182 EMPC	ND (0.00000391)	ND (0.00000348)	ND (0.00000194)	0.0000877	ND (0.000000136)	ND (0.0000012)	ND (0.000000672)	ND (0.000000513)
PCB 112	MG/KG	T			ND (0.000000585)	ND (0.00000401)	0.00399	ND (0.00000207)	ND (0.000000949)	ND (0.00000014)	ND (0.00000124)	ND (0.000000718)	ND (0.000000548)
PCB 114	MG/KG	T	0.38	MG/KG	0.0000676	0.00518 J	0.000103	0.0000214	0.000102	0.0000109	0.0000673	0.00000258	0.000114
PCB 115	MG/KG	T			ND (0.000000568)	ND (0.00000394)	0.000347	ND (0.000000865)	ND (0.000000191)	ND (0.000000138)	ND (0.000000655)	ND (0.000000545)	0.000005
PCB 117	MG/KG	T			0.000434	0.00521	ND (0.00000406)	ND (0.00000233)	0.000202	ND (0.000000139)	0.00428	ND (0.000000808)	ND (0.000000617)
PCB 118	MG/KG	T	0.38	MG/KG	0.00278	0.201 J	0.00733 J	0.000954	0.00467 J	0.000493	0.0169 J	0.000138	0.00451 J
PCB 120	MG/KG	T			0.0000137	ND (0.00000398)	ND (0.00000354)	0.00000264 EMPC	ND (0.000000888)	ND (0.000000136)	ND (0.00000121)	ND (0.000000672)	ND (0.000000513)
PCB 121	MG/KG	T			ND (0.000000574)	ND (0.00000382)	ND (0.0000034)	ND (0.00000199)	0.00000336	ND (0.000000136)	ND (0.00000121)	ND (0.000000689)	ND (0.000000526)
PCB 122	MG/KG	T			0.0000359	0.00247	ND (0.00000419)	0.0000124	0.0000075	0.00000578	0.0000338	0.00000165	0.0000585
PCB 123	MG/KG	T	0.38	MG/KG	0.0000556	0.00342	0.000667	ND (0.000000203)	ND (0.00000093)	0.00000809	0.00142	0.00000292	0.0000803
PCB 126	MG/KG	T	0.00011	MG/KG	0.0000129	0.000148	ND (0.0000174)	0.00000456	0.0000443	0.00000188	0.0000703	0.00000201	0.0000145
PCB 127	MG/KG	T			ND (0.000000527)	ND (0.0000048)	0.0000348	ND (0.000000191)	0.00000443 EMPC	ND (0.000000133)	ND (0.000000121)	ND (0.000000545)	
PCB 130	MG/KG	T			0.000321	0.0138	0.00165	0.0001	0.000756	0.0000027	0.00102	0.0000179	0.000394
PCB 131	MG/KG	T			0.0000641	0.00362	0.000316	0.0000226	0.000167	0.00000622	0.000241	0.00000233	ND (0.000000637)
PCB 132	MG/KG	T			0.00164	0.0681	0.0111	0.000508	0.00416	0.000134	0.00552	0.0000691	0.00243
PCB 133	MG/KG	T			0.0000664	0.00198	0.000588	0.000018	0.000157	0.00000463	0.000247	0.00000466	ND (0.000000584)
PCB 134	MG/KG	T			0.000297	0.013	0.00174	ND (0.000000207)	0.000722	0.0000243	0.001	0.0000109	0.000402
PCB 136	MG/KG	T			0.000544	0.0233	0.00664	0.000163	0.00149	0.0000342	0.00154	0.0000233	0.00103
PCB 137	MG/KG	T			0.000202	0.0148	ND (0.0000035)	0.0000562	0.000434	0.0000243	0.000473	0.00000849	0.000194
PCB 14	MG/KG	T			ND (0.000000296)	ND (0.00000106)	0.0000134	ND (0.000000146)	ND (0.000000455)	ND (0.000000108)	0.00000667	ND (0.000000107)	0.00000251
PCB 141	MG/KG	T			0.00102	0.0293	0.00841	0.000295	0.00267	0.0000715	0.00266	0.0000583	0.00179
PCB 142	MG/KG	T			ND (0.00000086)	ND (0.00000176)	ND (0.00000361)	ND (0.000000152)	ND (0.000000556)	ND (0.000000132)	ND (0.00000015)	ND (0.000000653)	ND (0.000000611)
PCB 143	MG/KG	T			ND (0.000000744)	ND (0.00000153)	ND (0.00000314)	0.0000706	ND (0.000000518)	ND (0.000000115)	ND (0.000000131)	ND (0.000000608)	ND (0.000000569)
PCB 144	MG/KG	T			0.000201	0.00694	0.00241	0.0000653	0.000681	0.0000171	0.000694	0.000009	0.000425
PCB 145	MG/KG	T			ND (0.000000656)	0.000145 EMPC	ND (0.00000204)	ND (0.000000162)	0.00000587 EMPC	ND (0.0000000838)	0.0000105	ND (0.0000000538)	ND (0.000000509)
PCB 146	MG/KG	T			0.000684	0.0203	0.00614	0.000192	0.00173	0.0000544	0.00236	0.0000553	0.00103
PCB 148	MG/KG	T			0.00000465	0.0000874	ND (0.00000319)	ND (0.000000181)	0.00000998	ND (0.000000125)	0.0000283	ND (0.000000615)	ND (0.000000575)
PCB 15	MG/KG	T			0.000621	0.000225	0.000246	0.000138	0.00108	0.00000834	0.013	0.0000121	0.00147
PCB 150	MG/KG	T			0.00000375	0.000183	ND (0.00000194)	0.00000664 EMPC	0.0000132	ND (0.0000000808)	0.000015	ND (0.0000000513)	0.00000581
PCB 152	MG/KG	T			0.00000336	0.000236	ND (0.00000189)	ND (0.000000152)	0.0000107	ND (0.0000000794)	ND (0.0000000636)	ND (0.0000000505)	ND (0.000000477)
PCB 154	MG/KG	T			0.0000408	0.00131	0.000498	0.00000901	0.0000928	ND (0.000000107)	0.000238	0.00000236	ND (0.000000492)
PCB 155	MG/KG	T			ND (0.000000627)	ND (0.0000013)	ND (0.00000186)	ND (0.000000015)	ND (0.000000435)	ND (0.0000000808)	ND (0.0000000648)	ND (0.0000000499)	ND (0.000000472)
PCB 158	MG/KG	T			0.000488	0.0241	0.00289	0.000159	0.00129	0.0000477	0.00137	0.0000293	0.000766
PCB 159	MG/KG	T			0.0000572	0.000468	0.000701	0.000107	0.000113	ND (0.000000351)	0.000124	0.00000345	0.0000767
PCB 16	MG/KG	T			0.000617	0.000134	0.000258	0.000227	0.000799	0.0000114	0.0273	0.00000776	0.00283
PCB 162	MG/KG	T			0.0000177	0.000869	ND (0.0000187)	ND (0.000000084)	0.0000501	ND (0.000000338)	0.000122	ND (0.000000206)	0.0000214
PCB 164	MG/KG	T			0.000357	0.0121	0.00281	0.000123	0.000983	0.0000258	0.00111	0.0000262	0.000576
PCB 165	MG/KG	T			ND (0.000000621)	ND (0.00000136)	ND (0.0000028)	ND (0.00000015)	ND (0.000000435)	ND (0.0000000986)	ND (0.00000112)	ND (0.0000000511)	ND (0.000000478)
PCB 167	MG/KG	T	0.38	MG/KG	0.000258	0.0107 J	0.00105	0.0000726	0.000513	0.0000227	0.000578	0.0000155	0.000303
PCB 169	MG/KG	T	0.00038	MG/KG	0.000015	0.0000966	ND (0.0000212)	ND (0.00000103)	ND (0.00000397)	ND (0.000000459)	ND (0.000000896)	ND (0.000000226)	ND (0.000000394)
PCB 17	MG/KG	T			0.000552	0.000155	0.00026	0.000203	0.000793	0.0000116	0.0285	0.00000834	0.00262
PCB 170	MG/KG	T			0.00155	0.0205	0.0164	0.000423	0.00407	0.0000899	0.00378	0.000119	0.00286
PCB 172	MG/KG	T			0.000268	0.00298	0.00291	0.0000684	0.000738	0.0000168	0.000709	0.0000222	0.000506
PCB 174	MG/KG	T			0.0017	0.0145	0.0228	0.000392	0.0044	0.0000862	0.0045	0.000109	0.0031
PCB 175	MG/KG	T			0.0000687	0.000692	0.000852	0.0000181	0.000198	0.00000358	0.000186	0.00000389	0.000134
PCB 176	MG/KG	T			0.000155	0.00204	0.00265	0.0000414	0.00049	0.00000908	0.000474	0.00000898	0.000361
PCB 177	MG/KG	T			0.000975	0.00872	0.0113	0.000216	0.00243	0.0000509	0.00238	0.0000664	0.00175
PCB 178	MG/KG	T			0.00028	0.00239	0.00405	0.0000688	0.000832	0.0000179	0.000792	0.0000312	0.000585

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB04	S05SB06	S05SB06	S05SB07	S05SB07	S05SB08	S05SB08	S05SB09	S05SB09
				Date	6/2/08	5/19/08	5/19/08	5/20/08	5/20/08	5/19/08	5/19/08	5/20/08	5/20/08
				Top (ft)	4.5	0	17	13	18	0	19	0	13
				Bottom (ft)	6.5	2	19	15	20	2	21	2	15
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 179	MG/KG	T			0.000551	0.00514	0.0101	0.000139	0.0017	0.0000373	0.00179	0.0000433	0.00125
PCB 181	MG/KG	T			0.0000137	0.00049	ND (0.0000176)	0.0000729	ND (0.0000447)	ND (0.00000354)	0.000256 EMPC	ND (0.00000222)	ND (0.00000312)
PCB 182	MG/KG	T			0.00000928	0.000187	0.0282	ND (0.00000771)	ND (0.00000427)	ND (0.00000333)	ND (0.00000463)	ND (0.00000212)	ND (0.00000298)
PCB 183	MG/KG	T			0.000882	0.00883	ND (0.0000168)	0.000217	0.00247	0.0000543	0.00288	0.0000572	0.00172
PCB 184	MG/KG	T			ND (0.00000399)	0.0000246	ND (0.00000223)	ND (0.00000162)	ND (0.00000437)	ND (0.00000101)	ND (0.00000067)	ND (0.000000478)	ND (0.000000489)
PCB 185	MG/KG	T			0.000188	0.0004	0.0141	0.0000421	0.000479	0.0000112	ND (0.0000052)	0.0000113	0.00041
PCB 186	MG/KG	T			ND (0.00000396)	0.0000179	ND (0.00000217)	ND (0.00000157)	ND (0.00000421)	ND (0.000000954)	ND (0.000000635)	ND (0.000000462)	ND (0.000000472)
PCB 187	MG/KG	T			0.00223	0.014	ND (0.0000167)	0.000459	0.00514	0.000145	0.00612	0.000215	0.00378
PCB 188	MG/KG	T			ND (0.00000364)	0.0000152	ND (0.00000144)	ND (0.000000387)	ND (0.000000921)	ND (0.000000613)	ND (0.000000424)	ND (0.000000434)	
PCB 189	MG/KG	T	0.38	MG/KG	0.0000547	0.000967	0.000496	0.000019	0.000172	0.00000394	0.000146	0.0000521	0.00108
PCB 19	MG/KG	T			0.000342	0.0000462	0.0000671	0.0000469	0.000335	0.0000022	0.0046	0.00000134 EMPC	0.000713
PCB 190	MG/KG	T			0.000259	0.00336	0.00362	0.0000828	0.000732	0.0000178	0.00071	0.0000259	0.000549
PCB 191	MG/KG	T			0.0000524	0.000789	0.000618	0.000157	0.000159	0.0000346	0.000153	0.00000396	0.000121
PCB 194	MG/KG	T			0.00088	0.00366	0.0137	0.000237	0.00224	0.0000662	0.00293	0.0000825	0.00167
PCB 195	MG/KG	T			0.000322	0.00142	0.00538	0.0000921	0.000955	0.0000204	0.000939	0.0000304	0.000739
PCB 196	MG/KG	T			0.000304	0.00198	0.00642	0.0000891	0.000954	0.0000406	0.00129	0.0000315	0.000747
PCB 197	MG/KG	T			0.000024	0.000113	0.000563	0.00000785	0.0000848	0.0000289	0.0000855	0.0000221	0.0000547
PCB 2	MG/KG	T			0.0000222	0.0000889	0.000118	0.0000124	0.0002	0.00000098	0.0000697	0.00000158	0.0000688
PCB 200	MG/KG	T			0.000107	0.000506	0.00204	0.0000245	0.000282	0.0000102	0.000392	0.00000941	0.000217
PCB 201	MG/KG	T			0.000112	0.000478	0.00226	0.0000259	0.000313	0.0000156	0.000484	0.00000936	0.000214
PCB 202	MG/KG	T			0.000252	0.000701	0.00425	0.0000497	0.000538	0.0000735	0.00114	0.0000255	0.000331
PCB 203	MG/KG	T			0.000442	0.00264	0.00935	0.00014	0.00138	0.000104	0.00238	0.0000634	0.000959
PCB 204	MG/KG	T			0.00000935 EMPC	ND (0.00000208)	ND (0.00000362)	ND (0.00000402)	ND (0.00000104)	ND (0.000000357)	ND (0.00000238)	ND (0.000000853)	ND (0.000000955)
PCB 205	MG/KG	T			0.0000373	0.000169	0.000577	0.000019	0.000106	0.0000361	0.000116	0.00000378	0.0000795
PCB 206	MG/KG	T			0.000923	0.00206	0.0191	0.000267	0.00162	0.00155	0.00549	0.0000899	0.00117
PCB 207	MG/KG	T			0.0000909	0.000186	0.00193	0.0000312	0.000195	0.000119	0.000487	0.00000909	0.000133
PCB 208	MG/KG	T			0.000308	0.000463	0.0075	0.0000841	0.000568	0.000668	0.00189	0.0000281	0.000353
PCB 209	MG/KG	T			0.00377 J	0.0075 J	0.053 J	0.00225	0.00958 J	0.00457 J	0.0391 J	0.00034	0.0115 J
PCB 22	MG/KG	T			0.000668	0.000202	0.000212	0.000212	0.000979	0.0000209	0.0258	0.0000143	0.00214
PCB 23	MG/KG	T			0.0000158	ND (0.00000263)	ND (0.00000595)	ND (0.00000434)	0.00000496	ND (0.00000148)	0.000131	ND (0.00000106)	ND (0.00000156)
PCB 24	MG/KG	T			0.0000136	ND (0.00000172)	ND (0.00000212)	0.00000626	ND (0.00000644)	0.00104	ND (0.000000863)	0.0000777	
PCB 25	MG/KG	T			0.000126	0.0000689	ND (0.00000557)	0.0000435	0.000197	0.00000247	0.00653	0.00000307	0.0004
PCB 27	MG/KG	T			0.000129	0.0000304	0.0000403	0.0000359	0.000217	0.00000165	0.00429	0.00000138	0.000376
PCB 3	MG/KG	T			0.000108	0.0000961	0.000387	0.0000217	0.000246	0.00000182 EMPC	0.000192	0.00000329 EMPC	0.000285
PCB 31	MG/KG	T			0.00142	0.00143	0.000617	0.000631	0.00231	0.0000548	0.0678	0.0000342	0.00496
PCB 32	MG/KG	T			0.00058	0.000148	0.000216	0.000154	0.000809	0.0000105	0.0174	0.00000787	0.00161
PCB 34	MG/KG	T			0.00000749	ND (0.00000258)	ND (0.00000584)	ND (0.00000428)	0.00000967	ND (0.00000146)	0.000695	ND (0.000000104)	ND (0.00000154)
PCB 35	MG/KG	T			0.0000404	0.000036	0.000234	ND (0.000000443)	0.000108	ND (0.000000153)	0.000364	0.00000106	0.0000875
PCB 36	MG/KG	T			ND (0.000000791)	ND (0.00000267)	ND (0.00000603)	ND (0.000000412)	0.00000686	ND (0.000000145)	ND (0.00000274)	ND (0.0000001)	ND (0.00000148)
PCB 37	MG/KG	T			0.000979	0.000349	0.000336	0.000279	0.00181	0.0000234	0.0212	0.0000178	0.00168
PCB 38	MG/KG	T			0.00000151 EMPC	ND (0.00000295)	ND (0.00000667)	ND (0.00000444)	0.0000154	ND (0.000000152)	ND (0.00000288)	ND (0.000000108)	ND (0.0000016)
PCB 39	MG/KG	T			0.0000115	0.0000207	ND (0.00000597)	0.0000191	0.0000191	ND (0.000000143)	0.000336	ND (0.000000987)	ND (0.00000146)
PCB 4	MG/KG	T			0.000133	0.000064	0.0000634	0.0000424	0.000303	0.00000212	0.00467	0.00000356	0.00362
PCB 41	MG/KG	T			0.000202	0.000111	ND (0.00000316)	0.0000771	0.000223	0.00000722	0.00519	0.00000314	0.000547
PCB 42	MG/KG	T			0.000773	0.00204	0.000295	0.000171	0.000805	0.0000185	0.0161	0.00000948	0.00108
PCB 43	MG/KG	T			0.00011	0.000195	ND (0.00000298)	0.0000293	0.0000883	0.0000021	0.00361	ND (0.000000961)	0.000173
PCB 45	MG/KG	T			0.000612	0.000472	ND (0.00000293)	0.000119	0.000906	0.00000734	0.0106	0.00000339	0.000715
PCB 46	MG/KG	T			0.000255	0.000229	ND (0.00000291)	0.0000538	0.000409	0.00000302	0.00353	0.0000015	0.000299
PCB 48	MG/KG	T			0.000422	0.00091	0.000142 EMPC	0.000145	0.000446	0.0000135	0.00149	0.00000535	0.000968
PCB 5	MG/KG	T			0.0000105	0.0000904	ND (0.00000381)	0.00000272	0.0000171	0.000000648	0.00029	0.000000793	0.00012
PCB 51	MG/KG	T			0.000133	0.0000899	ND (0.00000223)	0.0000295	0.000231	0.00000192 EMPC	0.00263	0.00000104	0.000173
PCB 52	MG/KG	T			0.00244	0.0937	ND (0.00000247)	0.000845	0.00409	0.000149	0.0487	0.0000457	0.00488
PCB 54	MG/KG	T			0.00000973	0.00000547	ND (0.00000212)	0.00000174	0.0000154	ND (0.000000955)	0.000137	ND (0.000000698)	0.0000115
PCB 55	MG/KG	T			0.0000319	ND (0.00000946)	0.00173	ND (0.00000665)	0.0000546	ND (0.000000251)	ND (0.00000699)	ND (0.000000195)	ND (0.00000246)
PCB 56	MG/KG	T			0.00086	0.00769	0.000558	0.0003	0.00153	0.0000497	0.0161	0.0000208	0.00183
PCB 57	MG/KG	T			ND (0.0000024)	ND (0.00000904)	ND (0.00000574)	ND (0.00000064)	0.0000149	ND (0.000000248)	0.000253	ND (0.000000187)	0.0000183
PCB 58	MG/KG	T			ND (0.00000241)	ND (0.00000903)	ND (0.00000573)	ND (0.000000638)	0.000152	ND (0.000000248)	ND (0.00000691)	ND (0.000000187)	ND (0.00000236)
PCB 6	MG/KG	T			0.000104	0.0000427	0.0000307	0.0000245	0.000162	0.0000024	0.00378	0.00000489	0.00115
PCB 60	MG/KG	T			0.000486	0.00313	0.000144	0.000198	0.000872	0.0000302	ND (0.00000677)	0.0000113	0.00122
PCB 63	MG/KG	T			0.0000643	0.000711	0.0000491	0.0000248	0.000102	0.00000382	0.00204	0.00000181	0.000149
PCB 64	MG/KG	T			0.000921	0.00978	0.000553	0.000275	0.00142	0.0000388	0.0232	0.0000174	0.00169
PCB 66	MG/KG	T			0.00181	0.0203	ND (0.00000562)	0.000622	0.00323	0.000122	0.0505	0.000042	0.00363
PCB 67	MG/KG	T			0.000054	ND (0.00000834)	ND (0.00000529)	0.0000221	0.000102	0.00000202	0.00186	0.00000104	0.000139
PCB 68	MG/KG	T			0.0000114	ND (0.00000783)	ND (0.00000497)	ND (0.000000588)	0.0000189	ND (0.000000222)	0.000173	0.000000391	0.00000959

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB04	S05SB06	S05SB06	S05SB07	S05SB07	S05SB08	S05SB08	S05SB09	S05SB09
				Date	6/2/08	5/19/08	5/19/08	5/20/08	5/20/08	5/19/08	5/19/08	5/20/08	5/20/08
				Top (ft)	4.5	0	17	13	18	0	19	0	13
				Bottom (ft)	6.5	2	19	15	20	2	21	2	15
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 7	MG/KG	T			0.0000186	0.00000952	ND (0.0000036)	0.00000309	0.0000279	ND (0.00000126)	0.000598	0.000000442	0.000215
PCB 72	MG/KG	T			0.0000199	ND (0.0000084)	ND (0.00000533)	ND (0.00000606)	0.0000225	ND (0.00000235)	0.000302	0.000000493	0.00018
PCB 73	MG/KG	T			ND (0.00000298)	ND (0.00000106)	0.00285	ND (0.00000153)	ND (0.00000476)	ND (0.000000779)	ND (0.0000011)	ND (0.000000607)	ND (0.000000466)
PCB 77	MG/KG	T	0.11	MG/KG	0.000243	0.000433	0.000539	0.0000846	0.000599	0.0000129	0.0045 J	0.0000101	0.000376
PCB 78	MG/KG	T			ND (0.0000024)	ND (0.0000105)	ND (0.00000668)	ND (0.00000066)	ND (0.00000164)	ND (0.000000249)	0.00000567 EMPC	ND (0.00000193)	ND (0.00000244)
PCB 79	MG/KG	T			ND (0.0000002)	0.00114 EMPC	ND (0.00000584)	ND (0.00000558)	ND (0.00000139)	0.00000236	0.000133	ND (0.00000163)	ND (0.00000206)
PCB 8	MG/KG	T			0.000614	0.000254	0.0000938	0.000137	0.000894	0.00000802	0.0167	0.0000172	0.00545
PCB 80	MG/KG	T			ND (0.00000215)	ND (0.00000865)	ND (0.00000549)	ND (0.000000571)	0.0000215	ND (0.000000218)	ND (0.00000608)	ND (0.00000167)	0.0000197
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.00000231)	ND (0.00000995)	ND (0.00000631)	ND (0.000000625)	ND (0.00000155)	ND (0.00000237)	0.000085 EMPC	ND (0.00000183)	ND (0.00000231)
PCB 82	MG/KG	T			0.000431	0.0279	0.000755	0.000154	0.000928	0.0000493	0.0046	0.0000106	0.000723
PCB 83	MG/KG	T			ND (0.000000948)	0.00987	ND (0.00000594)	0.00064	0.000374	0.0000217	0.0163	0.00000365	0.000303 EMPC
PCB 84	MG/KG	T			0.000973	0.0638	0.0026	ND (0.0000003)	0.00252	0.0000792	0.00745	0.0000205	0.00147
PCB 88	MG/KG	T			ND (0.000000912)	ND (0.00000585)	ND (0.00000521)	ND (0.00000312)	ND (0.00000143)	ND (0.00000206)	0.00437	ND (0.00000108)	ND (0.000000825)
PCB 89	MG/KG	T			0.0000524	0.00155	ND (0.00000486)	ND (0.00000283)	0.000125	0.00000251	0.000838	0.000000754	0.0000747
PCB 9	MG/KG	T			0.0000238	0.0000165	0.0000198	0.00000633	0.0000386	0.00000152 B	0.000834	0.00000193 B	0.000377
PCB 91	MG/KG	T			0.000395	0.0251	0.000722	ND (0.00000023)	0.00107	0.0000337	ND (0.0000015)	0.0000103	0.000604
PCB 92	MG/KG	T			ND (0.000000819)	0.0372	0.00035	0.000193	ND (0.00000121)	0.0000575	0.000386	0.0000185	0.000099
PCB 94	MG/KG	T			0.0000161	0.000632	ND (0.0000047)	ND (0.000000282)	0.0000453	0.000000879	0.000261	ND (0.00000098)	ND (0.000000748)
PCB 95	MG/KG	T			0.000251	0.177	0.0153	ND (0.000000262)	0.00762	0.000224	0.0162	0.0000759	0.00444
PCB 96	MG/KG	T			0.0000286	0.00126	0.0000091	0.00000091	0.0000728	0.00000127	0.000404	0.000000489	0.0000438
PCB 98	MG/KG	T			ND (0.000000905)	ND (0.00000478)	ND (0.00000425)	ND (0.000000275)	ND (0.00000126)	ND (0.00000018)	ND (0.0000016)	ND (0.000000955)	ND (0.000000729)
PCB 99	MG/KG	T			0.00133	0.0919	ND (0.00000398)	ND (0.000000229)	0.00241	0.000166	ND (0.00000143)	0.0000484	0.00214
PCB-100/93	MG/KG	T			0.0000233	0.000807	ND (0.00000443)	ND (0.000000249)	0.00006	ND (0.000000178)	0.00147	ND (0.000000866)	ND (0.000000661)
PCB-107/124	MG/KG	T			0.000122	0.000879	0.000249	0.0000428	0.000232	0.0000201	0.000711	0.0000063	0.00189
PCB-108/119/86/97/125/87	MG/KG	T			0.00204	0.164	ND (0.00000406)	0.00076	0.0043	0.000284	0.0172	0.0000565	0.00384
PCB-113/90/101	MG/KG	T			0.00293	0.221	0.0177	0.00106	0.00634	0.000373	0.0194	0.000106	0.00595
PCB-116/85	MG/KG	T			ND (0.000000699)	0.0337	0.00109	0.000143	0.000913	0.000083	0.0293	0.0000233	0.000911
PCB-128/166	MG/KG	T			0.000943	0.0477	ND (0.0000205)	0.00029	0.00189	0.0000871	0.00245	0.0000465	0.00112
PCB-13/12	MG/KG	T			0.0000677	0.0000816	0.000166	0.0000156	0.000184	0.00000282	0.000886	0.00000508	0.000222
PCB-139/140	MG/KG	T			0.000072	0.00441	0.000281	0.0000236	0.000172	0.00000794	0.00028	0.00000312	ND (0.000000549)
PCB-147/149	MG/KG	T			0.00354	0.111	0.0369	0.00104	0.0102	0.000228	0.00118	0.000229	0.00623
PCB-151/135	MG/KG	T			0.00141	0.0378	0.0194	0.000415	0.00452	0.000109	0.00502	0.0000953	0.00282
PCB-153/168	MG/KG	T			0.00374	0.119	0.0367	0.00112	0.00945	0.000347	0.0111	0.000324	0.00665
PCB-156/157	MG/KG	T			0.000797	0.0343 J	0.00255	0.000223	0.0013	0.0000706	0.00175	0.0000374	0.00105
PCB-163/138/129	MG/KG	T			0.00541	0.216	0.0339	0.00167	0.0134	0.000473	0.00145	0.000389	0.00812
PCB-171/173	MG/KG	T			0.000511	0.00678	0.00502	0.000127	0.00126	0.0000271	0.00121	0.0000282	0.000887
PCB-180/193	MG/KG	T			0.00315	0.0316	0.0399	0.000825	0.0088	0.000216	0.00951	0.00029	0.00628
PCB-198/199	MG/KG	T			0.000813	0.00454	0.0176	0.000233	0.0024	0.000257	0.00423	0.000114	0.00174
PCB-21/33	MG/KG	T			0.000933	0.000354	0.000229	0.000381	0.00133	0.0000323	0.0446	0.0000193	0.00355
PCB-26/29	MG/KG	T			0.000242	0.000109	0.0000985	0.000108	0.000415	0.0000063	0.014	0.00000653	0.000952
PCB-28/20	MG/KG	T			0.00187	0.000665	0.000759	0.000671	0.00308	0.0000645	0.0787	0.0000375	0.0054
PCB-30/18	MG/KG	T			0.00109	0.000401	0.000511	0.000464	0.00179	0.0000267	0.0528	0.0000196	0.00595
PCB-44/47/65	MG/KG	T			0.00228	0.0347	0.00162	0.000665	0.0028	0.0000936	0.0523	0.0000394	0.00405
PCB-50/53	MG/KG	T			0.000493	0.00163	0.000157	0.000104	0.000904	0.00000745	0.0085	0.00000405	0.000569
PCB-59/62/75	MG/KG	T			0.000229	0.000251	0.0000872	0.0000595	0.000388	0.00000473	0.00557	0.00000345	0.000355
PCB-61/70/74/76	MG/KG	T			0.00303	0.0926	0.00319	0.00118	0.00522	0.000296	0.0781	0.000084	0.00732
PCB-69/49	MG/KG	T			0.00135	0.0168	0.00122	0.000371	0.00161	0.0000528	0.0321	0.0000261	0.00225
PCB-71/40	MG/KG	T			0.00105	0.00424	0.000431	0.000292	0.00147	0.0000308	0.0247	0.0000141	0.0018
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00162	0.000751	0.000828	0.000397	0.00279	0.0000303	0.0412	0.0000512	0.0129
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0129	0.125	0.163	0.00316	0.0341	0.000791	0.0354 EMPC	0.00104	0.0244
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0222	0.816 EMPC	0.177	0.00664 EMPC	0.057 EMPC	0.00188	0.0663	0.00146	0.0354
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000182	0.000232	0.000587	0.0000479	0.000574	0.0000028 EMPC	0.000379	0.00000487 EMPC	0.00162
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00132	0.00271	0.0286	0.000383	0.00238	0.00786	0.000127	0.00165	0.00165
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00329	0.0162	0.0621	0.000918	0.00925	0.000595	0.014	0.000372	0.00674
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0196	1.45 EMPC	0.0686	0.00586 EMPC	0.0455 EMPC	0.00267	0.156 EMPC	0.000756	0.0351 EMPC
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0179	0.291 EMPC	0.0136 EMPC	0.00567	0.0277	0.000095 EMPC	0.406 EMPC	0.000346	0.0343
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00963	0.00415	0.00384	0.00346	0.015	0.000269	0.396	0.00018 EMPC	0.0333
ALUMINUM	MG/KG	T	990000	MG/KG	14700	11900	9870	10800	6270	14400	4420	15500	10300
ANTIMONY	MG/KG	T	410	MG/KG	3.37 J	4.83 J	29.9 J	ND (1.19) UJ	4.26 J	ND (1.11) UJ	7.88 J	ND (1.11) UJ	ND (1.2) UJ
ARSENIC	MG/KG	T	11	MG/KG	^4.02	^3.52 J	^5.61 J	^4.01	^3.89	^3.21 J	^5.25 J	^6.08	^2.39
BARIUM	MG/KG	T	190000	MG/KG	78.8	84.1	231	56.7	52.3	49.5	242	52	80.8
BERYLLIUM	MG/KG	T	2000	MG/KG	0.574 J	0.478 J	0.373 J	0.484 J	0.306 J	0.681	0.232 J	0.875	0.491 J
CADMIUM	MG/KG	T	800	MG/KG	0.379 J	ND (0.167)	ND (0.195)	ND (0.167)	ND (0.162)	ND (0.156)	ND (0.183)	ND (0.156)	ND (0.169)
CALCIUM	MG/KG	T			1830	5320	1910	1570 J	2120 J	889	1510	1140 J	9850 J

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB04	S05SB06	S05SB06	S05SB07	S05SB07	S05SB08	S05SB08	S05SB09	S05SB09
				Date	6/2/08	5/19/08	5/19/08	5/20/08	5/20/08	5/19/08	5/19/08	5/20/08	5/20/08
				Top (ft)	4.5	0	17	13	18	0	19	0	13
				Bottom (ft)	6.5	2	19	15	20	2	21	2	15
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
CHROMIUM	MG/KG	T			46.3	48.9 J	110 J	34.6	42	32.2 J	213 J	39.3	44.9
COBALT	MG/KG	T	300	MG/KG	ND (1.15)	6.77	4.3	4.47	3.86	6.41	4.18	8.39	6.92
COPPER	MG/KG	T	41000	MG/KG	33.5	137	260	33.8	105	16.9	128	28.5	55.6
IRON	MG/KG	T	720000	MG/KG	26600	25900	23400	18600	14500	21400	13800	39600	38000
LEAD	MG/KG	T	800	MG/KG	86.1	663	333	66.8	99.7	23.9	249	34.7	247
MAGNESIUM	MG/KG	T		MG/KG	1680	1290	1210	1690	815	1900	695	2100	1890
MANGANESE	MG/KG	T	23000	MG/KG	291	230 J	128 J	98.8 J	206 J	109 J	115 J	115 J	313 J
MERCURY	MG/KG	T	43	MG/KG	0.327 J	2.06	0.532	0.0676 J	0.159	0.023 J	0.415	0.0556 J	0.885
NICKEL	MG/KG	T	20000	MG/KG	16.3	38.4	9.67	11	20.8	13.3	16.6	15.6	33.3
POTASSIUM	MG/KG	T			1980 J	1450 J	1930 J	881 J	601 J	1150 J	1330 J	1180 J	1650 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.19) UJ	ND (1.17)	ND (1.36)	ND (1.17)	ND (1.13)	ND (1.09)	ND (1.28)	ND (1.09)	ND (1.18)
SILVER	MG/KG	T	5100	MG/KG	0.434 J	0.97	1.48	0.978	0.741	ND (0.189)	1.58	ND (0.189)	0.434 J
SODIUM	MG/KG	T			ND (45.3)	148	193	93.6 J	94 J	108 J	178	93.8 J	307
THALLIUM	MG/KG	T	10	MG/KG	ND (0.177)	ND (0.179)	ND (0.213)	ND (0.177) UJ	ND (0.177) UJ	ND (0.17)	ND (0.19)	0.183 J	ND (0.175) UJ
TITANIUM	MG/KG	T			2030	2860	4730	1220	1710	803	4690	956	3390
VANADIUM	MG/KG	T			62.8 J	89.5	70.2	44.2	158	49.9	61.2	57.6	74.8
ZINC	MG/KG	T	310000	MG/KG	53.5 J	171	35.8	34.8	70.8	32.7	44	40.6	75.8
TOTAL ORGANIC CARBON	MG/KG	T			1330	16000	17000	2010	2580	ND (376)	8170	4170	4020
HPCDFS	MG/KG	I			0.00017	0.000414	0.000438	0.000252	0.000322	0.0000116	0.00045	0.0000119	0.000212

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB10	S05SB11	S05SB11	S05SB12	S05SB12	S05SB12	S05SB13	S05SB13	S05SB15	S05SB15
				Date	6/3/08	5/6/10	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/5/10	5/7/10	5/7/10
				Top (ft)	3	0	0	0	5	0	4.5	0	4	
				Bottom (ft)	5	2	2	2	6	2	6.5	2	6	
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	
1,3-DICHLOROENZENE	MG/KG	T			ND (0.067)	ND (0.038)	ND (0.038)	ND (0.038)		ND (0.038)	ND (0.037)	ND (0.04)	ND (0.039)	ND (0.041)
1,4-DICHLOROENZENE	MG/KG	T	12	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	ND (0.038)		ND (0.038)	ND (0.037)	ND (0.04)	ND (0.039)	ND (0.041)
ACETONE	MG/KG	T	630000	MG/KG	ND (0.018)	ND (0.008) UJ	0.009 J							
BENZENE	MG/KG	T	5.4	MG/KG	ND (0.001)	ND (0.0006)	ND (0.0005)							
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.003)	ND (0.001) UJ	ND (0.001)							
CARBON TETRACHLORIDE	MG/KG	T	3	MG/KG	0.039	ND (0.001) UJ	ND (0.001)							
CHLOROENZENE	MG/KG	T	1400	MG/KG	ND (0.003)	ND (0.001)	ND (0.001)							
CHLOROFORM	MG/KG	T	1.5	MG/KG	0.025	ND (0.001) UJ	ND (0.001)							
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	ND (0.01)	ND (0.004) UJ	ND (0.004)							
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	0.008 J	ND (0.002) UJ	ND (0.002)							
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	1.8	0.004 J	0.004 J							
TRICHLOROETHENE	MG/KG	T	14	MG/KG	0.005 J	ND (0.001) UJ	ND (0.001)							
XYLENES	MG/KG	T	2700	MG/KG	ND (0.003)	ND (0.001)	ND (0.001)							
2,4-DIMETHYLPHENOL	MG/KG	T	12000	MG/KG	ND (0.13)	ND (0.076)	ND (0.075)	ND (0.077)		ND (0.076)	ND (0.074)	ND (0.08)	ND (0.078)	0.083 J
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	ND (0.038)		0.11 J	ND (0.037)	ND (0.04)	ND (0.039)	2
4-METHYLPHENOL (P-CRESOL)	MG/KG	T	3100	MG/KG	ND (0.13)	ND (0.076)	ND (0.075)	ND (0.077)		ND (0.076)	ND (0.074)	ND (0.08)	ND (0.078)	0.16 J
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	0.12 J		0.53	ND (0.037)	0.12 J	ND (0.039)	7.7
ACENAPHTHYLENE	MG/KG	T			ND (0.067)	ND (0.038)	ND (0.038)	ND (0.038)		ND (0.038)	ND (0.037)	ND (0.04)	ND (0.039)	0.061 J
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.067)	ND (0.038)	0.38	0.36		1	ND (0.037)	0.25	ND (0.039)	11
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.067)	0.058 J	0.35	1.2 J		2.1	ND (0.037)	0.71	0.087 J	^15
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.067)	0.078 J	0.25	1.3 J		2	ND (0.037)	0.8	0.12 J	^14
BENZO(G,H,I)PERYLENE	MG/KG	T			ND (0.067)	0.041 J	0.063 J	0.58		1	ND (0.037)	0.29	0.056 J	4.5
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.067)	ND (0.038)	0.1 J	0.5		1.2	ND (0.037)	0.29	0.045 J	5.8
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.067)	0.052 J	0.13 J	^0.86		^1.7	ND (0.037)	^0.59	0.081 J	^11
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	0.82	ND (0.076)	ND (0.075)	ND (0.077)		0.16 J	ND (0.074)	0.23 J	0.081 J	0.38 J
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.13)	ND (0.076)	ND (0.075)	ND (0.077)		ND (0.076)	ND (0.074)	ND (0.08)	ND (0.078)	ND (0.082)
CARBAZOLE	MG/KG	T			ND (0.067)	ND (0.038)	ND (0.038)	0.16 J		0.39	ND (0.037)	0.12 J	ND (0.039)	5.1
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.067)	0.059 J	0.32	1.2 J		1.9	ND (0.037)	0.73	0.11 J	14
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	0.17 J		^0.3	ND (0.037)	0.071 J	ND (0.039)	^1.7
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	0.14 J		0.32	ND (0.037)	0.046 J	ND (0.039)	3.7
DIETHYL PHTHALATE	MG/KG	T	490000	MG/KG	ND (0.13)	0.087 J	ND (0.075)	ND (0.077)		ND (0.076)	ND (0.074)	0.14 J	ND (0.078)	ND (0.082)
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.067)	0.088 J	1.3	2.7 J		4.5	ND (0.037)	1.3	0.18 J	33
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	0.092 J		0.41	ND (0.037)	0.098 J	ND (0.039)	5.7
HEXACHLOROENZENE	MG/KG	T	1.1	MG/KG	^270	0.064 J	0.044 J	ND (0.038)		ND (0.038)	ND (0.037)	0.042 J	0.055 J	ND (0.041)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.067)	ND (0.038)	0.067 J	0.59		1	ND (0.037)	0.3	0.047 J	^4.9
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	0.051 J		0.29	ND (0.037)	0.048 J	ND (0.039)	5.3
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	ND (0.038)		ND (0.038)	ND (0.037)	ND (0.04)	ND (0.039)	ND (0.041)
PHENANTHRENE	MG/KG	T			0.068 J	0.043 J	0.4	2.2 J		3.7	ND (0.037)	0.81	0.11 J	34
PHENOL	MG/KG	T	180000	MG/KG	ND (0.067)	ND (0.038)	ND (0.038)	ND (0.038)		ND (0.038)	ND (0.037)	ND (0.04)	ND (0.039)	0.12 J
PYRENE	MG/KG	T	17000	MG/KG	ND (0.067)	0.087 J	1	2.1 J		3.9	ND (0.037)	1.1	0.16 J	28
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.000207	0.000137	0.000117							
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.00397	0.0000454	0.0000265							
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0032	0.00000817	0.00000506							
1,2,3,4,7,8-HXCDD	MG/KG	T			0.00000698	EMPC	0.00000287	0.00000212 J						
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00161	0.00000911	0.00000557							
1,2,3,6,7,8-HXCDD	MG/KG	T			0.0000271	0.0000052	0.00000436							
1,2,3,6,7,8-HXCDF	MG/KG	T			0.000285	0.00000614	0.00000386							
1,2,3,7,8,9-HXCDD	MG/KG	T			0.0000131	0.00000573	0.00000527							
1,2,3,7,8,9-HXCDF	MG/KG	T			0.000473	ND (0.000002596813)	ND (0.000002764181)							
1,2,3,7,8-PECDD	MG/KG	T			0.00000513	EMPC	0.00000176 J	0.00000158 J						
1,2,3,7,8-PECDF	MG/KG	T			0.00102	0.00000328	0.00000189 J							
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000165	0.00000759	0.00000444							
2,3,4,7,8-PECDF	MG/KG	T			0.000111	0.00000563	0.00000329							
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.00000146	0.000000409 J	0.000000284 J							
2,3,7,8-TCDF	MG/KG	T			0.000475	0.00000312	0.00000208							
HPCDDs	MG/KG	T			0.000377									
HXCDDs	MG/KG	T			0.000227	EMPC								
HXCDFs	MG/KG	T			0.0033									
OCDD	MG/KG	T			0.0021	0.004	0.00322							
OCDF	MG/KG	T			0.549 J	0.000446	0.000259							
TCDDs	MG/KG	T			0.0000382	EMPC	0.0000182	EMPC	0.0000198	EMPC				
TCDFs	MG/KG	T			0.00105	EMPC	0.0000618	EMPC	0.0000417	EMPC				
TOTAL HPCDD	MG/KG	T				0.000321	EMPC	0.000299	EMPC					
TOTAL HPCDF	MG/KG	T				0.0000832	EMPC	0.0000501	EMPC					

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB10	S05SB11	S05SB11	S05SB12	S05SB12	S05SB12	S05SB13	S05SB13	S05SB15	S05SB15
				Date	6/3/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/5/10	5/7/10	5/7/10	
				Top (ft)	3	0	0	0	5	0	4.5	0	4	
				Bottom (ft)	5	2	2	2	6	2	6.5	2	6	
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	
TOTAL HXCDD	MG/KG	T				0.000113 EMPC	0.000128 EMPC							
TOTAL HXCDF	MG/KG	T				0.0000655 EMPC	0.0000398 EMPC							
TOTAL PECDD	MG/KG	T				0.0000325 EMPC	0.0000352 EMPC							
TOTAL PECDDS	MG/KG	T				0.000115 EMPC								
TOTAL PECDF	MG/KG	T					0.0000597 EMPC	0.0000376 EMPC						
TOTAL PECDFS	MG/KG	T				0.00176 EMPC								
PCB 1	MG/KG	T				0.000549	ND (0.00000153)	ND (0.00000166)	0.00000269	0.0000947		0.000145	0.00041	
PCB 10	MG/KG	T				ND (0.000000581)	0.00000035 J	ND (0.000000507)	ND (0.000000573)	0.00000824		0.0000079	0.0000257	
PCB 102	MG/KG	T				ND (0.00000179)	0.0000063	0.00000385	0.00000161	0.0000586		0.000156	0.000332	
PCB 103	MG/KG	T				0.00000902	0.00000107	0.00000534 J	0.00000362 J	0.0000135		0.0000247	0.000167	
PCB 104	MG/KG	T				ND (0.000000857)	ND (0.000000188)	ND (0.000000158)	ND (0.000000123)	ND (0.000000312)		ND (0.000000242)	ND (0.000000337)	
PCB 105	MG/KG	T	0.38	MG/KG		0.00167 EMPC	0.000161	0.0000961	0.0000308	0.00112		0.00215 J	0.00305 J	
PCB 106	MG/KG	T				ND (0.00000156)	ND (0.000000432)	ND (0.000000215)	ND (0.000000171)	ND (0.000000316)		ND (0.000000121)	ND (0.000000881)	
PCB 109	MG/KG	T				0.000134	0.0000194	0.0000112	0.00000423	0.000147		0.000274	0.000552	
PCB 11	MG/KG	T				ND (0.00000111)	0.00000586 B	0.00000666 B	0.0000052 B	0.0000266		0.0000424	0.0000765	
PCB 110	MG/KG	T				0.00275	0.000451	0.000226	0.0000881	0.00311 J		0.00631 J	0.0125 J	
PCB 111	MG/KG	T				0.00000936	ND (0.000000452)	ND (0.000000225)	ND (0.000000179)	ND (0.000000331)		ND (0.00000127)	0.0000142	
PCB 112	MG/KG	T				ND (0.00000155)	ND (0.000000425)	ND (0.000000212)	ND (0.000000168)	ND (0.000000312)		ND (0.00000012)	ND (0.000000868)	
PCB 114	MG/KG	T	0.38	MG/KG		0.0000651	0.00000715	0.00000458	0.0000015	0.0000628		0.000111	0.000146	
PCB 115	MG/KG	T				ND (0.00000151)	ND (0.000000368)	ND (0.000000183)	ND (0.000000146)	ND (0.000000752)		ND (0.000000121)	ND (0.000000752)	
PCB 117	MG/KG	T				0.0000511	0.00000754	0.00000498	0.00000144	0.0000596		0.000143	0.000199	
PCB 118	MG/KG	T	0.38	MG/KG		0.00245	0.000355	0.000204	0.0000702	0.00263 J		0.00446 J	0.00848 J	
PCB 120	MG/KG	T				ND (0.00000151)	ND (0.000000392)	ND (0.000000195)	ND (0.000000155)	0.00000411		0.00000695	0.0000766	
PCB 121	MG/KG	T				0.00000308	ND (0.000000461)	ND (0.000000229)	ND (0.000000182)	ND (0.000000337)		ND (0.000000129)	ND (0.00000094)	
PCB 122	MG/KG	T				0.0000314 EMPC	0.00000376	0.00000221	0.000000922	0.0000311		0.0000845	0.000105	
PCB 123	MG/KG	T	0.38	MG/KG		0.000043	0.0000072	0.00000379	0.00000155	0.0000404		0.000134	0.000154	
PCB 126	MG/KG	T	0.00011	MG/KG		0.0000134	0.0000025	0.00000149	0.00000094	0.0000126		0.0000148	0.0000265	
PCB 127	MG/KG	T				ND (0.00000151)	ND (0.000000451)	ND (0.000000226)	ND (0.000000181)	ND (0.000000336)		ND (0.00000133)	ND (0.000000916)	
PCB 130	MG/KG	T				0.00016	0.0000418	0.0000201	0.0000107	0.000231		0.000518	0.00114	
PCB 131	MG/KG	T				0.0000332	0.00000746	0.00000329	0.00000146	0.0000464		0.0000918	0.000179	
PCB 132	MG/KG	T				0.000727	0.000193	0.0000868	0.0000477	0.00107		0.00218 J	0.0052 J	
PCB 133	MG/KG	T				0.0000695	0.00000914	0.00000394	0.00000263	0.0000417		0.0000857	ND (0.000000549)	
PCB 134	MG/KG	T				0.000126	0.0000327	0.0000157	0.00000841	0.000204		0.000401	0.000925	
PCB 136	MG/KG	T				0.00025	0.0000769	0.000032	0.0000208	0.0004		0.000744	0.00211 J	
PCB 137	MG/KG	T				0.000134	0.0000294	0.0000162	0.00000584	0.000214		0.000453	0.000719	
PCB 14	MG/KG	T				ND (0.000000923)	0.000000245 J	ND (0.000000456)	ND (0.000000216)	0.00000588		0.000000493 J	0.00000127	
PCB 141	MG/KG	T				0.0004	0.000115	0.0000525	0.0000364	0.000546		0.00126	0.00288 J	
PCB 142	MG/KG	T				0.00000532	ND (0.000000232)	ND (0.000000226)	ND (0.000000165)	ND (0.000000532)		ND (0.000000336)	ND (0.000000637)	
PCB 143	MG/KG	T				ND (0.00000073)	0.00000177	0.000000172 J	ND (0.000000152)	ND (0.000000488)		0.0000156	ND (0.000000585)	
PCB 144	MG/KG	T				0.0000805	0.0000305	0.0000132	0.0000085	0.000143		0.000297	0.000727	
PCB 145	MG/KG	T				ND (0.000000604)	ND (0.000000169)	ND (0.000000151)	ND (0.000000101)	0.00000163		0.00000233	0.00000534	
PCB 146	MG/KG	T				0.000322	0.0000839	0.0000386	0.0000302	0.000376		0.000826	0.00256 J	
PCB 148	MG/KG	T				0.00000799 EMPC	ND (0.000000198)	ND (0.000000193)	ND (0.000000141)	0.00000292		0.00000377	0.0000445	
PCB 15	MG/KG	T				0.00179	0.0000355	0.0000162	0.0000187	0.000383		0.000892	0.00209 J	
PCB 150	MG/KG	T				0.00000391	0.000000501 J	ND (0.000000153)	ND (0.000000102)	0.00000418		0.00000526	0.0000177	
PCB 152	MG/KG	T				0.00000235	0.000000384 J	ND (0.000000126)	ND (0.0000000843)	0.00000304		0.00000482	0.0000104	
PCB 154	MG/KG	T				0.0000496	0.00000381	0.00000174	0.00000118	0.000026		0.0000375	0.000271	
PCB 155	MG/KG	T				0.00000205	ND (0.000000169)	ND (0.000000151)	ND (0.000000101)	ND (0.000000273)		ND (0.000000236)	0.000000916 J	
PCB 158	MG/KG	T				0.000259	0.0000726	0.0000352	0.0000196	0.000362		0.000811	0.00155	
PCB 159	MG/KG	T				0.000192	ND (0.000000359)	0.0000044	ND (0.00000018)	ND (0.00000117)		ND (0.000000993)	ND (0.00000255)	
PCB 16	MG/KG	T				0.0001	0.0000101	0.0000043	0.00000718	0.000398		0.000261	0.00084	
PCB 162	MG/KG	T				0.0000871 EMPC	0.00000305	0.00000146	0.000000818 J	0.0000131		ND (0.00000117)	0.000112 EMPC	
PCB 164	MG/KG	T				0.000167	0.0000494	0.0000216	0.0000141	0.000199		0.000466	0.00111	
PCB 165	MG/KG	T				0.00000549	ND (0.000000158)	ND (0.000000154)	ND (0.000000113)	ND (0.000000362)		ND (0.000000229)	ND (0.000000434)	
PCB 167	MG/KG	T	0.38	MG/KG		0.000132	0.0000293	0.0000158	0.00000868	0.000158		0.000372	0.000797	
PCB 169	MG/KG	T	0.00038	MG/KG		ND (0.000000294)	ND (0.000000488)	ND (0.000000275)	ND (0.000000271)	ND (0.00000196)		ND (0.00000142)	ND (0.00000044)	
PCB 17	MG/KG	T				ND (0.000000597)	0.0000125	0.0000069	0.0000092	0.000381		0.000249	0.000898	
PCB 170	MG/KG	T				0.000628 EMPC	0.000149	0.0000701	0.0000615	0.00041		0.00119	0.00382 J	
PCB 172	MG/KG	T				0.000139	0.0000339	0.0000159	0.0000144	0.0000881		0.000247	0.000807	
PCB 174	MG/KG	T				0.000376	0.000213	0.00000934	0.0000827	0.000552		0.00147	0.00509 J	
PCB 175	MG/KG	T				0.0000622	0.00000885	0.00000411	0.00000346	0.000027		0.0000652	0.000243	
PCB 176	MG/KG	T				0.0000513	0.0000291	0.0000115	0.0000102	0.0000871		0.000209	0.000757	
PCB 177	MG/KG	T				0.000198	0.000122	0.0000536	0.0000478	0.000307		0.000861	0.00317 J	
PCB 178	MG/KG	T				0.000145	0.0000436	0.0000183	0.0000182	0.000103		0.000288	0.000988	

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB10	S05SB11	S05SB11	S05SB12	S05SB12	S05SB12	S05SB13	S05SB13	S05SB15	S05SB15
				Date	6/3/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/5/10	5/7/10	5/7/10	
				Top (ft)	3	0	0	0	5	0	4			
				Bottom (ft)	5	2	2	2	6	2	6.5	2	6	
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	
PCB 179	MG/KG	T			0.00016	0.0000881	0.0000377		0.0000331	0.000237			0.000577	0.00207 J
PCB 181	MG/KG	T			0.0000203	0.00000199	0.0000108		0.00000474 J	0.00000871			0.0000197	0.0000496
PCB 182	MG/KG	T			0.0000398	0.000000908 J	ND (0.00000239)		0.00000479 J	0.00000402			0.00000706	0.0000283
PCB 183	MG/KG	T			0.000356	0.000133	0.0000547		0.0000506	0.000331			0.000833	0.00297 J
PCB 184	MG/KG	T			0.00000962	ND (0.00000189)	ND (0.00000144)		ND (0.00000012)	0.00000102			ND (0.000000238)	ND (0.000000491)
PCB 185	MG/KG	T			0.0000307	0.0000222	0.00001		0.00000881	0.0000429			0.000161	0.000533
PCB 186	MG/KG	T			ND (0.000000529)	ND (0.000000177)	ND (0.000000135)		ND (0.000000113)	ND (0.000000315)			ND (0.000000223)	ND (0.000000046)
PCB 187	MG/KG	T			0.000631	0.000266	0.000125		0.000133	0.000627			0.00168	0.00606 J
PCB 188	MG/KG	T			0.0000063 EMPC	0.000000459 J	ND (0.000000144)		ND (0.000000012)	0.00000187			0.00000225	0.00000613 EMPC
PCB 189	MG/KG	T	0.38	MG/KG	0.0000361	0.00000992	0.00000517		0.00000374	0.0000299			0.000079	0.000227
PCB 19	MG/KG	T			0.0000166	0.00000534	0.00000168 B		0.0000039	0.000162			0.00013	0.000972
PCB 190	MG/KG	T			0.0000913	0.0000426	0.0000193		0.0000178	0.0001			0.000305	0.000958
PCB 191	MG/KG	T			0.0000267	0.00000908	0.00000419		0.00000326	0.0000225			0.0000633	0.000213
PCB 194	MG/KG	T			0.00166	0.000126	0.0000569		0.0000514	0.000271			0.000729	0.00256 J
PCB 195	MG/KG	T			0.000128	0.0000464	0.0000204		0.0000183	0.0000976			0.000282	0.00104
PCB 196	MG/KG	T			0.000508	0.0000657	0.0000281		0.0000281	0.000127			0.000372	0.00121
PCB 197	MG/KG	T			0.0000626	0.00000417	0.00000223		0.00000255	0.0000119			0.000031	0.0000865
PCB 2	MG/KG	T			0.000244	0.00000413	0.00000208		0.00000121 B	0.0000739			0.0000337	0.0000672
PCB 200	MG/KG	T			0.000072	0.0000206	0.0000084		0.00000966	0.0000422			0.000107	0.00036
PCB 201	MG/KG	T			0.000139	0.0000221	0.00000848		0.00000868	0.0000046			0.000115	0.000378
PCB 202	MG/KG	T			0.00039	0.0000451	0.0000174		0.0000196	0.0000891			0.000233	0.00075
PCB 203	MG/KG	T			0.00114	0.000107	0.0000445		0.0000456	0.000204			0.000588	0.00177
PCB 204	MG/KG	T			0.0000368	ND (0.000000374)	ND (0.000000199)		ND (0.000000192)	ND (0.000000627)			ND (0.000000722)	ND (0.00000122)
PCB 205	MG/KG	T			0.0000625 EMPC	0.00000801	0.00000382		0.00000294	0.0000162			0.0000425	0.00015
PCB 206	MG/KG	T			0.00935	0.000168	0.0000656		0.0000716	0.000463			0.000833	0.00258 J
PCB 207	MG/KG	T			0.00178	0.0000187	0.00000789		0.00000771	0.0000373			0.0000723	0.000253
PCB 208	MG/KG	T			0.00355	0.0000621	0.0000234		0.0000286	0.00014			0.000289	0.000992
PCB 209	MG/KG	T			0.392 J	0.00169	0.000686		0.000379	0.00354 J			0.0155 J	0.0296 J
PCB 22	MG/KG	T			0.000138	0.0000234	0.0000195		0.0000141	0.000348			0.000439	0.00129
PCB 23	MG/KG	T			0.0000125	ND (0.000000146)	ND (0.000000121)		ND (0.0000000877)	0.00000399			0.00000138	0.00000443
PCB 24	MG/KG	T			ND (0.00000043)	0.000000459 J	0.000000198 J		0.00000025 J	0.0000143			0.00000883	0.0000313
PCB 25	MG/KG	T			0.0000193	0.0000044	0.00000273		0.00000265	0.000073			0.0000876	0.000298
PCB 27	MG/KG	T			ND (0.00000042)	0.00000308	0.00000158		0.00000204	0.000076			0.0000539	0.000268
PCB 3	MG/KG	T			0.00344	0.00000868	0.00000427 EMPC		0.00000466 EMPC	0.000154			0.000233	0.000476
PCB 31	MG/KG	T			0.000471	0.000048	0.0000522		0.000028	0.000799			0.000942	0.00299 J
PCB 32	MG/KG	T			0.0000875	0.0000154	0.00000794		0.00000947	0.000308			0.000265	0.00103
PCB 34	MG/KG	T			0.00000559	0.000000442 J	ND (0.000000106)		0.000000193 J	0.00000542			0.00000398	0.0000236
PCB 35	MG/KG	T			0.000627	0.00000267	0.00000158		0.00000101	0.0000276			0.000032	0.0000766
PCB 36	MG/KG	T			0.000121	ND (0.000000115)	ND (0.0000000949)		ND (0.000000069)	0.00000195			ND (0.000000187)	ND (0.000000242)
PCB 37	MG/KG	T			0.000329	0.0000574	0.000057		0.0000302	0.000535			0.00142	0.00316 J
PCB 38	MG/KG	T			0.00000822	ND (0.00000014)	ND (0.000000115)		ND (0.0000000837)	0.00000522			0.00000368	0.00000835
PCB 39	MG/KG	T			0.0000205	0.000000767 J	0.000000628 J		0.000000312 J	0.00000842			0.00000849	0.0000258
PCB 4	MG/KG	T			0.0000294	0.00000746	0.00000311 B		0.00000519 B	0.000242			0.000178	0.000565
PCB 41	MG/KG	T			0.0000914	0.00000398	0.00000385		0.00000221	0.0000743			0.000112	0.000135
PCB 42	MG/KG	T			0.000281	0.0000162	0.000019		0.00000756	0.000225			0.000674	0.00153
PCB 43	MG/KG	T			0.0000341	0.00000188	0.00000295		0.000000821 J	0.0000384			0.0000663	0.00016
PCB 45	MG/KG	T			0.000106	0.00000751	0.00000483		0.00000458	0.000132			0.000443	0.00145
PCB 46	MG/KG	T			0.0000452	0.00000359	0.00000176		0.00000243	0.000068			0.00018	0.000622
PCB 48	MG/KG	T			0.000196	0.00000786	0.00000117		0.00000386	0.000146			0.000194	0.000452
PCB 5	MG/KG	T			0.00000732	0.000000488 J	ND (0.000000487)		ND (0.000000231)	0.0000106			0.0000107	0.0000257
PCB 51	MG/KG	T			0.0000331	0.00000301	0.00000158 B		0.0000017 B	0.0000498			0.000129	0.000426
PCB 52	MG/KG	T			0.00168	0.000107	0.000108		0.0000333 B	0.0014			0.00182	0.00518 J
PCB 54	MG/KG	T			ND (0.00000167)	ND (0.00000016)	ND (0.000000156)		0.000000181 J	0.00000359			0.00000593	0.0000282
PCB 55	MG/KG	T			ND (0.00000403)	0.00000134	0.00000198		0.000000706 J	0.0000154			0.0000252	ND (0.00000626)
PCB 56	MG/KG	T			0.000581	0.0000337	0.0000499		0.0000139	0.000341			0.000971	0.00161
PCB 57	MG/KG	T			ND (0.00000387)	ND (0.000000404)	ND (0.000000198)		ND (0.000000161)	0.0000049			0.00000467	0.0000145
PCB 58	MG/KG	T			ND (0.00000389)	ND (0.00000035)	ND (0.000000172)		ND (0.000000139)	0.00000237			0.00000689	0.0000337
PCB 6	MG/KG	T			0.0000237	0.00000472	0.0000022 B		0.00000235 B	0.0000946			0.000114	0.00031
PCB 60	MG/KG	T			0.000315	0.0000185	0.0000259		0.00000802	0.000175			0.000358	0.000439
PCB 63	MG/KG	T			0.0000398	0.00000279	0.00000329		0.00000115	0.0000324			0.0000519	0.000114
PCB 64	MG/KG	T			0.000517	0.0000425	0.0000537		0.0000156	0.000421			0.00096	0.00191
PCB 66	MG/KG	T			0.0011	0.0000731	0.0000993		0.0000304	0.000664			0.00199 J	0.00432 J
PCB 67	MG/KG	T			ND (0.00000344)	0.00000214	0.00000303		0.00000105	0.000027			0.0000374	0.000109
PCB 68	MG/KG	T			ND (0.00000355)	0.000000505 J	0.00000032 J		0.000000266 J	0.0000074			0.0000145	0.0000787

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB10	S05SB11	S05SB11	S05SB12	S05SB12	S05SB12	S05SB13	S05SB13	S05SB15	S05SB15
				Date	6/3/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/5/10	5/7/10	5/7/10	
				Top (ft)	3	0	0	0	5	0	4			
				Bottom (ft)	5	2	2	2	6	2	6.5	2	6	
				Duplicate	FS	DUP	FS	FS	FS	FS	FS			
PCB 7	MG/KG	T			0.00000706	0.00000639 J	ND (0.00000468)		0.00000265 J	0.0000149			0.0000188	0.0000556
PCB 72	MG/KG	T			ND (0.0000037)	0.00000613 J	0.00000505 J		0.00000263 J	0.00000708			0.0000216	0.0000882
PCB 73	MG/KG	T			ND (0.00000247)	ND (0.00000107)	ND (0.00000162)		0.000000911 J	ND (0.00000213)			0.00000586	0.0000182
PCB 77	MG/KG	T	0.11	MG/KG	0.000382	0.0000165	0.0000199		0.00000752	0.000107			0.000541	0.000891
PCB 78	MG/KG	T			ND (0.00000387)	ND (0.00000385)	ND (0.00000189)		ND (0.00000153)	0.00000247			ND (0.00000233)	ND (0.00000641)
PCB 79	MG/KG	T			ND (0.00000322)	0.00000274	0.00000178		0.000000613 J	0.0000183			0.00000539	0.0000872
PCB 8	MG/KG	T			0.000439	0.0000192	0.00000977		0.00000766	0.000539			0.000658	0.00189
PCB 80	MG/KG	T			ND (0.00000347)	ND (0.000003389)	ND (0.00000191)		ND (0.00000155)	ND (0.00000104)			ND (0.00000236)	ND (0.00000647)
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.00000373)	0.00000866 J	0.00000127		0.000000338 J	0.00000672			0.00000266	0.0000193
PCB 82	MG/KG	T			0.000309	0.0000323	0.0000189		0.00000616	0.000321			0.000856	0.00122
PCB 83	MG/KG	T			0.000107	0.000017	0.0000105		ND (0.00000241)	0.000155			0.000262	0.000601
PCB 84	MG/KG	T			0.000612	0.0000655	0.0000322		0.0000149	0.000736			0.00135	0.00292 J
PCB 88	MG/KG	T			ND (0.00000242)	ND (0.00000671)	ND (0.00000334)		ND (0.00000265)	ND (0.0000137)			ND (0.0000189)	ND (0.0000137)
PCB 89	MG/KG	T			0.0000243	0.00000212	0.00000127		0.00000623 J	0.0000248			0.0000845	0.000163
PCB 9	MG/KG	T			0.0000183	0.00000119	0.00000593 J		0.00000642 J	0.0000226			0.0000272	0.0000782
PCB 91	MG/KG	T			0.00024	0.0000418	0.0000205		0.00000995	0.000349			0.000787	0.00162
PCB 92	MG/KG	T			0.000336	0.0000557	0.0000289		0.0000113	0.000492			0.000956	0.00249 J
PCB 94	MG/KG	T			0.00000861	0.00000142	0.00000837 J		ND (0.00000258)	0.0000115			0.0000327	0.0000721
PCB 95	MG/KG	T			0.00155	0.000242	0.000115		0.0000549	0.00199 J			0.00356 J	0.00832 J
PCB 96	MG/KG	T			0.0000154	0.00000188	0.00000946		0.00000609 J	0.0000174			0.0000446	0.0000967
PCB 98	MG/KG	T			0.0000777	ND (0.00000659)	ND (0.00000328)		ND (0.00000261)	ND (0.00000483)			ND (0.00000185)	ND (0.0000135)
PCB 99	MG/KG	T			0.00105	0.0001	0.0000603		0.0000222	0.000877			0.00191 J	0.00434 J
PCB-100/93	MG/KG	T			ND (0.00000206)	0.0000015	0.000000925		0.000000495 J	0.0000147			0.0000476	0.000118
PCB-107/124	MG/KG	T			0.0000847	0.0000134	0.00000769		0.0000029	0.000101			0.000236	0.00034
PCB-108/119/86/97/125/87	MG/KG	T			0.00167	0.000196	0.000116		0.000035	0.00191 J			0.00375 E	0.0063 E
PCB-113/90/101	MG/KG	T			0.00206	0.000287	0.000157		0.000061	0.00267 J			0.00478 J	0.00975 J
PCB-116/85	MG/KG	T			0.000439	0.0000586	0.0000372		0.0000113	0.000437			0.00117	0.00172
PCB-128/166	MG/KG	T			0.000468	0.0001	0.0000524		0.0000291	0.000591			0.00137	0.00284 E
PCB-13/12	MG/KG	T			ND (0.0000011)	0.00000574	0.00000232		0.00000152	0.0000844			0.0000781	0.000176
PCB-139/140	MG/KG	T			0.000047	0.00000998	0.0000054		0.00000208	0.0000683			0.000126	0.000302
PCB-147/149	MG/KG	T			0.00142	0.000483	0.000221		0.00014	0.00212 J			0.00442 J	0.0115 J
PCB-151/135	MG/KG	T			0.000549	0.000211	0.0000911		0.0000647	0.000869			0.0018	0.00554 E
PCB-153/168	MG/KG	T			0.00236	0.000511	0.000233		0.000173	0.00227 J			0.0052 J	0.0128 J
PCB-156/157	MG/KG	T			0.000363	0.0000801	0.0000451		0.0000205	0.000533			0.00111	0.0022 E
PCB-163/138/129	MG/KG	T			0.00264	0.00074	0.000347		0.00021	0.0035 J			0.00807 J	0.0168 J
PCB-171/173	MG/KG	T			0.000122	0.0000606	0.0000274		0.0000229	0.000175			0.000464	0.00155
PCB-180/193	MG/KG	T			0.00191	0.000648	0.000292		0.00027	0.00147			0.00424 J	0.0148 J
PCB-198/199	MG/KG	T			0.00179	0.000186	0.0000758		0.0000786	0.000368			0.00103	0.00304 E
PCB-21/33	MG/KG	T			0.000217	0.0000291	0.0000146		0.0000185	0.000654			0.000723	0.00209 J
PCB-26/29	MG/KG	T			0.0000538	0.00000948	0.000009		0.00000573	0.00017			0.000169	0.000568
PCB-28/20	MG/KG	T			0.000668	0.0000675	0.0000506		0.0000429	0.000995			0.00131	0.00445 J
PCB-30/18	MG/KG	T			0.000259	0.000032	0.0000211		0.00002	0.000661			0.000608	0.00201 J
PCB-44/47/65	MG/KG	T			0.00117	0.0000653	0.0000692		0.0000266	0.000964			0.00198 J	0.00541 J
PCB-50/53	MG/KG	T			0.0000994	0.0000128	0.00000866		0.00000692	0.000155			0.000471	0.00175
PCB-59/62/75	MG/KG	T			0.0000636	0.00000796	0.00000885		0.00000332	0.0000915			0.000243	0.000664
PCB-61/70/74/76	MG/KG	T			0.00256	0.000156	0.0000175		0.0000534	0.00163			0.00328 J	0.00617 J
PCB-69/49	MG/KG	T			0.000667	0.0000406	0.0000511		0.0000189	0.000563			0.000893	0.00317 J
PCB-71/40	MG/KG	T			0.000474	0.0000243	0.000031		0.0000112	0.000368			0.00124	0.0022 J
TOTAL DICHOROBIPHENYLS (CONGENER)	MG/KG	T			0.00231	0.0000814	0.0000408		0.0000415	0.00143			0.00203	0.00529
TOTAL HEPTACHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.00504 EMPC	0.00188	0.000844		0.000782 EMPC	0.00463			0.0128	0.0444 EMPC
TOTAL HEXACHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.0109 EMPC	0.00292 EMPC	0.00136		0.000856	0.014			0.0307	0.0724 EMPC
TOTAL MONOCHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.00423	0.0000128	0.00000635 EMPC		0.00000856 EMPC	0.000322			0.000411	0.000953
TOTAL NONACHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.0147	0.000249	0.0000969		0.000108	0.00064			0.00119	0.00383
TOTAL OCTACHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.00599 EMPC	0.000632	0.000266		0.000265	0.00127			0.00353	0.0113
TOTAL PENTACHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.0158 EMPC	0.00214	0.00117		0.000433	0.0174			0.0337	0.0659
TOTAL TETRACHLOROBIPHENYLS (CONGENER)	MG/KG	T			0.0104	0.000653	0.0000758		0.000257 EMPC	0.00773			0.0168	0.0391
TOTAL TRICHOROBIPHENYLS (CONGENER)	MG/KG	T			0.00304	0.000322	0.000251		0.000196	0.00583			0.00671	0.021
ALUMINUM	MG/KG	T	990000	MG/KG	2290	16600	14900	16100		10100	17700	11200		
ANTIMONY	MG/KG	T	410	MG/KG	ND (19.6) UJ	2.45 J	3.37 J	ND (1.14) UJ		15.7 J	ND (1.09)	20.1 J		
ARSENIC	MG/KG	T	11	MG/KG	^1.74 J	^3.83	^3.45	^4.31		^7.24	^3.82	^9.73		
BARIIUM	MG/KG	T	190000	MG/KG	80.8	51.9	58	48.8		114	51	115		
BERYLLIUM	MG/KG	T	2000	MG/KG	0.963 J	0.744	0.719	0.805		0.466 J	0.755	0.529 J		
CADIUM	MG/KG	T	800	MG/KG	0.613 J	0.979	0.974	0.997		1.54	0.339 J	1		
CALCIUM	MG/KG	T			1010	1600 J	1720 J	1170 J		5480 J	1050	6420		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB10	S05SB11	S05SB11	S05SB12	S05SB12	S05SB12	S05SB13	S05SB13	S05SB15	S05SB15	
				Date	6/3/08	5/6/10	5/6/10	5/6/10	5/6/10	5/5/10	5/5/10	5/7/10	5/7/10	5/7/10	5/7/10
				Top (ft)	3	0	0	0	0	5	0	4.5	0	4	
				Bottom (ft)	5	2	2	2	2	6	2	6.5	2	6	
				Duplicate	FS	DUP	FS	FS	FS	FS	FS	FS	FS	FS	
CHROMIUM	MG/KG	T			405 J	37.9 J	36.3 J	32.6 J		50.5 J	31.3	60.2			
COBALT	MG/KG	T	300	MG/KG	4.78 J	6.56	6.96	7.56		5.43	8.64	5.22			
COPPER	MG/KG	T	41000	MG/KG	48.4	60.3	68.5	18.5		174	30.2	124			
IRON	MG/KG	T	720000	MG/KG	26700	25800	26200	28800		30600	31800	29600			
LEAD	MG/KG	T	800	MG/KG	146	99.2	96.1	27.9		265	68.6	380			
MAGNESIUM	MG/KG	T		MG/KG	530	1990	2070	2120		2050	1540	2250			
MANGANESE	MG/KG	T	23000	MG/KG	113	166	172	136		232	166	195			
MERCURY	MG/KG	T	43	MG/KG	5.2	0.183 J	0.149 J	0.0379 J		0.965 J	0.123	1.03			
NICKEL	MG/KG	T	20000	MG/KG	5.57	15.2	16	14.5		38.6	13.4	30.8			
POTASSIUM	MG/KG	T			710 J	1260 J	1350 J	1310 J		1640 J	1000 J	1640 J			
SELENIUM	MG/KG	T	5100	MG/KG	4.51	ND (1.08)	ND (1.07)	ND (1.12)		ND (1.11)	ND (1.07)	ND (1.15)			
SILVER	MG/KG	T	5100	MG/KG	3.56	ND (0.199)	ND (0.197)	ND (0.205)		ND (0.203)	ND (0.196)	ND (0.212)			
SODIUM	MG/KG	T			115 J	64.2 J	71.9 J	101 J		117	114	170			
THALLIUM	MG/KG	T	10	MG/KG	0.484 J	1.69 J	1.68 J	1.8 J		2.05 J	1.78 J	1.91 J			
TITANIUM	MG/KG	T			25000			764 J			779				
VANADIUM	MG/KG	T			77.8	63.4	58.4	52.9		94.7	52.9	72.5			
ZINC	MG/KG	T	310000	MG/KG	23.3	52.9	92	44		106	38.1	123			
TOTAL ORGANIC CARBON	MG/KG	T			85100										
HPCDFS	MG/KG	I			0.00949										

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB16	S05SB16	S05SB17	S05SB17	S05SB17	S05SB17
				Date	6/10/10	6/10/10	6/18/10	6/18/10	6/18/10	6/18/10
				Top (ft)	0	6	0	4	0	4
				Bottom (ft)	2	8	2	6	2	6
				Duplicate	FS	FS	FS	FS	FS	FS
1,3-DICHLOROBENZENE	MG/KG	T			ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
1,4-DICHLOROBENZENE	MG/KG	T	12	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
ACETONE	MG/KG	T	630000	MG/KG	0.07	0.031			0.046	0.029
BENZENE	MG/KG	T	5.4	MG/KG	ND (0.0006)	ND (0.0005)			ND (0.0005)	ND (0.0005)
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	0.002 J			ND (0.001)	ND (0.0009)
CARBON TETRACHLORIDE	MG/KG	T	3	MG/KG	ND (0.001)	ND (0.001)			ND (0.001)	ND (0.0009)
CHLOROBENZENE	MG/KG	T	1400	MG/KG	ND (0.001)	ND (0.001)			ND (0.001)	ND (0.0009)
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)			ND (0.001)	ND (0.0009)
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	ND (0.004)	ND (0.004)			ND (0.004)	ND (0.004)
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	ND (0.002)	ND (0.002)			ND (0.002)	ND (0.002)
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	0.008	0.004 J			ND (0.001)	ND (0.0009)
TRICHLOROETHENE	MG/KG	T	14	MG/KG	0.001 J	ND (0.001)			ND (0.001)	ND (0.0009)
XYLENES	MG/KG	T	2700	MG/KG	ND (0.001)	ND (0.001)			ND (0.001)	ND (0.0009)
2,4-DIMETHYLPHENOL	MG/KG	T	12000	MG/KG	ND (0.075)	ND (0.079)			ND (0.075)	ND (0.075)
2-METHYLNAPHTHALENE	MG/KG	T	4100	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
4-METHYLPHENOL (P-CRESOL)	MG/KG	T	3100	MG/KG	ND (0.075)	ND (0.079)			ND (0.075)	ND (0.075)
ACENAPHTHENE	MG/KG	T	33000	MG/KG	ND (0.037)	ND (0.039)			0.087 J	0.055 J
ACENAPHTHYLENE	MG/KG	T			ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.037)	ND (0.039)			0.11 J	0.18 J
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.077 J	0.042 J			0.24	0.34
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.095 J	0.045 J			0.23	0.34
BENZO(G,H,I)PERYLENE	MG/KG	T			0.055 J	ND (0.039)			0.14 J	0.21
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	0.044 J	ND (0.039)			0.097 J	0.16 J
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	0.071 J	ND (0.039)			0.2	^0.26
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	0.18 J	0.079 J			ND (0.075)	0.34 J
BUTYL BENZYL PHTHALATE	MG/KG	T	910	MG/KG	ND (0.075)	ND (0.079)			ND (0.075)	ND (0.075)
CARBAZOLE	MG/KG	T			ND (0.037)	ND (0.039)			0.046 J	0.066 J
CHRYSENE	MG/KG	T	210	MG/KG	0.083 J	0.059 J			0.27	0.38
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	0.042 J
DIBENZOFURAN	MG/KG	T	1000	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	0.044 J
DIETHYL PHTHALATE	MG/KG	T	490000	MG/KG	ND (0.075)	ND (0.079)			ND (0.075)	ND (0.075)
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.13 J	0.074 J			0.45	0.74
FLUORENE	MG/KG	T	22000	MG/KG	ND (0.037)	ND (0.039)			0.047 J	0.074 J
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	0.32	0.081 J			0.038 J	ND (0.037)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	0.044 J	ND (0.039)			0.11 J	0.17 J
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
N-NITROSODIPHENYLAMINE	MG/KG	T	350	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
PHENANTHRENE	MG/KG	T			0.068 J	0.044 J			0.4	0.77
PHENOL	MG/KG	T	180000	MG/KG	ND (0.037)	ND (0.039)			ND (0.037)	ND (0.037)
PYRENE	MG/KG	T	17000	MG/KG	0.13 J	0.077 J			0.45	0.7
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.00015	0.0000959				
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000987	0.0000442				
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0000218	0.0000166				
1,2,3,4,7,8-HXCDD	MG/KG	T			0.00000216 J	0.000000891 J				
1,2,3,4,7,8-HXCDF	MG/KG	T			0.0000175	0.0000118				
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000481	0.00000297				
1,2,3,6,7,8-HXCDF	MG/KG	T			0.0000058	0.00000323				
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000518	0.00000226				
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000002233768)	ND (0.000001277507)				
1,2,3,7,8-PECDD	MG/KG	T			0.00000134 J	0.000000621 J				
1,2,3,7,8-PECDF	MG/KG	T			0.00000383	0.00000292				
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000006	0.00000337				
2,3,4,7,8-PECDF	MG/KG	T			0.00000344	0.00000248				
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.000000465 EMPC	0.000000277 J				
2,3,7,8-TCDF	MG/KG	T			0.00000376	0.00000354				
HPCDDS	MG/KG	T								
HXCDDS	MG/KG	T								
HXCDFS	MG/KG	T								
OCDD	MG/KG	T			0.00436	0.00354				
OCDF	MG/KG	T			0.00273	0.00165				
TCDDS	MG/KG	T			0.0000154 EMPC	0.00000569 EMPC				
TCDFS	MG/KG	T			0.0000399 EMPC	0.0000326 EMPC				
TOTAL HPCDD	MG/KG	T			0.000362 EMPC	0.000203 EMPC				
TOTAL HPCDF	MG/KG	T			0.000185 EMPC	0.0000942 EMPC				

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB16	S05SB16	S05SB17	S05SB17	S05SB17	S05SB17
				Date	6/10/10	6/10/10	6/18/10	6/18/10	6/18/10	6/18/10
				Top (ft)	0	6	0	4	0	4
				Bottom (ft)	2	8	2	6	2	6
				Duplicate	FS	FS	FS	FS	FS	FS
TOTAL HXCDD	MG/KG	T			0.000097	EMPC	0.0000427	EMPC		
TOTAL HXCDF	MG/KG	T			0.0000739	EMPC	0.0000404	EMPC		
TOTAL PECDD	MG/KG	T			0.0000238	EMPC	0.0000113	EMPC		
TOTAL PECDDS	MG/KG	T								
TOTAL PECDF	MG/KG	T			0.0000391	EMPC	0.000027	EMPC		
TOTAL PECDFS	MG/KG	T								
PCB 1	MG/KG	T			0.00000973		0.0000401	ND (0.00000167)	0.0000223	
PCB 10	MG/KG	T			0.0000014		0.0000163	ND (0.00000708)	0.00000424	
PCB 102	MG/KG	T			0.0000294		0.00015	ND (0.00000489)	0.0000914	
PCB 103	MG/KG	T			0.00000663		0.0000384	ND (0.00000383)	0.0000141	
PCB 104	MG/KG	T			ND (0.000000351)		ND (0.000000252)	ND (0.00000162)	ND (0.00000157)	
PCB 105	MG/KG	T	0.38	MG/KG	0.000578		0.00134	0.000288	0.00128	
PCB 106	MG/KG	T			ND (0.00000154)		ND (0.00000173)	ND (0.00000358)	ND (0.00000304)	
PCB 109	MG/KG	T			0.0000716		0.000165	0.0000385	0.000159	
PCB 11	MG/KG	T			0.0000234		0.0000473	0.00000709	0.000112	
PCB 110	MG/KG	T			0.00159		0.00363	0.000869	0.00365	J
PCB 111	MG/KG	T			ND (0.00000172)		0.00000287	ND (0.00000387)	ND (0.00000329)	
PCB 112	MG/KG	T			ND (0.00000148)		ND (0.00000166)	ND (0.0000036)	ND (0.00000306)	
PCB 114	MG/KG	T	0.38	MG/KG	0.0000244		0.0000728	0.0000118	0.000053	
PCB 115	MG/KG	T			ND (0.00000146)		ND (0.00000163)	ND (0.00000318)	ND (0.0000027)	
PCB 117	MG/KG	T			0.0000283		0.0000655	0.0000161	0.0000628	
PCB 118	MG/KG	T	0.38	MG/KG	0.00121		0.00307	0.000658	0.00298	J
PCB 120	MG/KG	T			0.00000292		0.0000107	ND (0.00000322)	ND (0.00000273)	
PCB 121	MG/KG	T			ND (0.00000168)		ND (0.00000188)	ND (0.00000386)	ND (0.00000328)	
PCB 122	MG/KG	T			0.0000203		0.0000484	0.0000081	0.0000452	
PCB 123	MG/KG	T	0.38	MG/KG	0.0000333		0.0000768	0.0000175	0.0000678	
PCB 126	MG/KG	T	0.00011	MG/KG	0.00000882		0.0000106	0.00000644	0.000014	
PCB 127	MG/KG	T			ND (0.00000173)		ND (0.00000203)	ND (0.00000401)	ND (0.00000325)	
PCB 130	MG/KG	T			0.000182		0.000284	0.0000867	0.000323	
PCB 131	MG/KG	T			0.0000277		0.0000501	0.0000144	0.0000532	
PCB 132	MG/KG	T			0.000745		0.00134	0.000328	0.0016	
PCB 133	MG/KG	T			0.0000393		0.000103	0.0000256	0.0000715	
PCB 134	MG/KG	T			0.00014		0.000246	0.0000579	0.000307	
PCB 136	MG/KG	T			0.000276		0.000488	0.000122	0.00066	
PCB 137	MG/KG	T			0.000124		0.000204	0.0000645	0.000196	
PCB 14	MG/KG	T			ND (0.00000161)		ND (0.000000965)	ND (0.00000823)	ND (0.00000855)	
PCB 141	MG/KG	T			0.000523		0.00072	0.000236	0.00148	
PCB 142	MG/KG	T			ND (0.000000443)		ND (0.000000406)	ND (0.00000241)	ND (0.00000229)	
PCB 143	MG/KG	T			ND (0.000000402)		ND (0.000000368)	0.00000403	EMPC	ND (0.00000232)
PCB 144	MG/KG	T			0.000124		0.000171	0.000053	0.000279	
PCB 145	MG/KG	T			ND (0.000000296)		0.00000141	ND (0.00000139)	ND (0.0000016)	
PCB 146	MG/KG	T			0.000333		0.000629	0.000184	0.000696	
PCB 148	MG/KG	T			0.00000171		0.0000344	ND (0.00000216)	ND (0.00000205)	
PCB 15	MG/KG	T			0.000274		0.00466	J	0.0000402	0.000489
PCB 150	MG/KG	T			0.00000219		0.00000836	ND (0.00000142)	ND (0.00000162)	
PCB 152	MG/KG	T			0.00000114	J	0.00000284	ND (0.00000119)	ND (0.00000137)	
PCB 154	MG/KG	T			0.000016		0.000103	0.0000121	0.0000237	
PCB 155	MG/KG	T			ND (0.000000288)		ND (0.000000256)	ND (0.00000136)	ND (0.00000156)	
PCB 158	MG/KG	T			0.00029		0.000423	0.000142	0.000616	
PCB 159	MG/KG	T			ND (0.00000111)		ND (0.00000115)	ND (0.00000273)	ND (0.00000411)	
PCB 16	MG/KG	T			0.0000625		0.00107	0.0000111	0.0000896	
PCB 162	MG/KG	T			0.0000101		0.0000158	ND (0.00000311)	ND (0.00000468)	
PCB 164	MG/KG	T			0.000205		0.000282	0.0000956	0.000397	
PCB 165	MG/KG	T			ND (0.000000294)		0.00000673	ND (0.00000166)	ND (0.00000158)	
PCB 167	MG/KG	T	0.38	MG/KG	0.000133		0.000189	0.0000729	0.000266	
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000114)		ND (0.00000127)	ND (0.00000464)	ND (0.00000523)	
PCB 17	MG/KG	T			0.0000662		0.0013	0.000013	0.000102	
PCB 170	MG/KG	T			0.000702		0.000812	0.000432	0.00214	J
PCB 172	MG/KG	T			0.000132		0.00014	0.0000751	0.000366	
PCB 174	MG/KG	T			0.000701		0.000833	0.000419	0.00224	J
PCB 175	MG/KG	T			0.0000322		0.0000407	0.0000176	0.000109	
PCB 176	MG/KG	T			0.000102		0.000134	0.0000403	0.000297	
PCB 177	MG/KG	T			0.000387		0.000471	0.000231	0.00118	
PCB 178	MG/KG	T			0.000179		0.000207	0.0000833	0.000432	

FED\_MCL  
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**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB16	S05SB16	S05SB17	S05SB17	S05SB17	S05SB17
				Date	6/10/10	6/10/10	6/18/10	6/18/10	6/18/10	6/18/10
				Top (ft)	0	6	0	4	0	4
				Bottom (ft)	2	8	2	6	2	6
				Duplicate	FS	FS	FS	FS	FS	FS
PCB 179	MG/KG	T			0.000346	0.000441	0.000151	0.000891		
PCB 181	MG/KG	T			0.00000728	0.00000975	ND (0.0000042)	ND (0.00000717)		
PCB 182	MG/KG	T			0.00000371	0.00000594	ND (0.00000357)	ND (0.00000609)		
PCB 183	MG/KG	T			0.000386	0.000477	0.000248	0.00127		
PCB 184	MG/KG	T			ND (0.00000297)	ND (0.00000215)	ND (0.00000175)	ND (0.00000189)		
PCB 185	MG/KG	T			0.0000834	0.0000749	0.0000488	EMPC	0.000279	
PCB 186	MG/KG	T			ND (0.00000295)	ND (0.00000214)	ND (0.00000168)	ND (0.0000018)		
PCB 187	MG/KG	T			0.00101	0.00116	0.000639	0.00273	J	
PCB 188	MG/KG	T			0.00000199	0.00000382	J	ND (0.00000185)	ND (0.00000199)	
PCB 189	MG/KG	T	0.38	MG/KG	0.0000312	0.0000376	0.0000186	0.0000845		
PCB 19	MG/KG	T			0.0000229	0.000885	0.00000605	0.0000374		
PCB 190	MG/KG	T			0.000167	0.000173	0.000105	0.000523		
PCB 191	MG/KG	T			0.0000307	0.000035	0.0000173	0.0000981		
PCB 194	MG/KG	T			0.000419	0.000452	0.000274	0.00134		
PCB 195	MG/KG	T			0.000137	0.000142	0.0000903	0.000508		
PCB 196	MG/KG	T			0.000237	0.000236	0.000117	0.000661		
PCB 197	MG/KG	T			0.0000145	0.0000173	0.00000608	EMPC	0.0000416	
PCB 2	MG/KG	T			0.00000494	0.0000125	ND (0.00000126)	0.00000829		
PCB 200	MG/KG	T			0.0000828	0.0000815	0.0000515	0.000216		
PCB 201	MG/KG	T			0.000072	0.0000806	0.0000427	0.000194		
PCB 202	MG/KG	T			0.000187	0.000195	0.000128	0.000366		
PCB 203	MG/KG	T			0.000453	0.000401	0.00022	0.000919		
PCB 204	MG/KG	T			0.00000089	J	ND (0.000000523)	ND (0.00000295)	ND (0.00000278)	
PCB 205	MG/KG	T			0.0000246	0.0000242	0.0000159	0.0000742		
PCB 206	MG/KG	T			0.000523	0.000714	0.000487	0.00154		
PCB 207	MG/KG	T			0.0000704	0.0000667	0.0000401	0.000118		
PCB 208	MG/KG	T			0.000205	0.000247	0.000153	0.000418		
PCB 209	MG/KG	T			0.0156	J	0.00713	J	0.00319	J
PCB 22	MG/KG	T			0.000157	0.00205	J	0.0000281	0.000266	
PCB 23	MG/KG	T			0.00000644	J	0.00000446	ND (0.0000025)	ND (0.00000308)	
PCB 24	MG/KG	T			0.00000258	0.0000345	ND (0.00000149)	0.00000479		
PCB 25	MG/KG	T			0.000039	0.000643	0.00000729	0.0000559		
PCB 27	MG/KG	T			0.0000166	0.000504	0.00000399	0.0000325		
PCB 3	MG/KG	T			0.0000158	0.000107	ND (0.00000147)	0.0000335	EMPC	
PCB 31	MG/KG	T			0.000434	0.00635	J	0.0000678	0.000643	
PCB 32	MG/KG	T			0.000074	0.00173	J	0.0000147	0.000136	
PCB 34	MG/KG	T			0.00000182	0.0000226	ND (0.00000222)	ND (0.00000274)		
PCB 35	MG/KG	T			ND (0.000000523)	0.0000737	ND (0.00000223)	0.0000184		
PCB 36	MG/KG	T			ND (0.000000461)	ND (0.000000628)	ND (0.00000199)	ND (0.00000245)		
PCB 37	MG/KG	T			0.000389	0.00275	J	0.0000548	0.000488	
PCB 38	MG/KG	T			0.00000078	J	0.00000365	J	ND (0.00000234)	ND (0.00000288)
PCB 39	MG/KG	T			0.0000031	0.0000232	ND (0.00000226)	ND (0.00000279)		
PCB 4	MG/KG	T			0.0000324	0.000529	0.00000656	0.000066		
PCB 41	MG/KG	T			0.0000203	0.000304	0.00000582	0.0000453		
PCB 42	MG/KG	T			0.000101	0.00144	0.0000268	0.00027		
PCB 43	MG/KG	T			0.0000093	0.000155	ND (0.00000313)	0.0000195	EMPC	
PCB 45	MG/KG	T			0.0000571	0.00111	0.0000109	0.000133		
PCB 46	MG/KG	T			0.0000185	0.000337	0.00000575	0.0000458		
PCB 48	MG/KG	T			0.0000433	0.000572	0.0000114	0.000119		
PCB 5	MG/KG	T			0.00000235	0.0000219	ND (0.00000898)	0.00000723		
PCB 51	MG/KG	T			0.0000129	0.000236	0.00000398	0.0000575		
PCB 52	MG/KG	T			0.000478	0.00529	J	0.000206	0.00172	
PCB 54	MG/KG	T			0.000001	0.0000209	ND (0.00000176)	ND (0.00000196)		
PCB 55	MG/KG	T			0.0000091	0.0000424	ND (0.00000301)	0.0000136		
PCB 56	MG/KG	T			0.000284	0.00137	0.0000601	0.00055		
PCB 57	MG/KG	T			0.00000248	0.0000193	ND (0.00000319)	0.00000534		
PCB 58	MG/KG	T			0.00000183	0.00001	ND (0.00000288)	ND (0.00000422)		
PCB 6	MG/KG	T			0.0000431	0.000635	0.00000844	0.0000942		
PCB 60	MG/KG	T			0.000122	0.000724	0.0000296	0.000228		
PCB 63	MG/KG	T			0.000022	0.000148	0.00000517	0.0000405		
PCB 64	MG/KG	T			0.000244	0.00194	J	0.0000843	0.000725	
PCB 66	MG/KG	T			0.000578	0.00336	J	0.000127	0.000988	
PCB 67	MG/KG	T			0.0000152	0.0000957	ND (0.00000259)	0.0000205	EMPC	
PCB 68	MG/KG	T			0.00000382	0.0000203	ND (0.00000314)	0.00000826		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB16	S05SB16	S05SB17	S05SB17	S05SB17	S05SB17
				Date	6/10/10	6/10/10	6/18/10	6/18/10	6/18/10	6/18/10
				Top (ft)	0	6	0	4	0	4
				Bottom (ft)	2	8	2	6	2	6
				Duplicate	FS	FS	FS	FS	FS	FS
PCB 7	MG/KG	T			0.0000428	0.0000494	ND (0.00000853)	0.0000112		
PCB 72	MG/KG	T			0.00000608	0.0000335	ND (0.00000281)	0.0000151		
PCB 73	MG/KG	T			0.0000015	ND (0.00000273)	ND (0.00000231)	0.00000385	EMPC	
PCB 77	MG/KG	T	0.11	MG/KG	0.000165	0.000428	0.0000279	0.000177		
PCB 78	MG/KG	T			ND (0.0000154)	ND (0.0000027)	ND (0.00000318)	ND (0.00000465)		
PCB 79	MG/KG	T			0.00000802	0.0000214	ND (0.00000274)	0.0000169		
PCB 8	MG/KG	T			0.000193	0.00408 J	0.0000264	0.000323		
PCB 80	MG/KG	T			ND (0.0000155)	ND (0.00000272)	ND (0.00000316)	ND (0.00000462)		
PCB 81	MG/KG	T	0.038	MG/KG	0.0000594 J	0.0000179	ND (0.00000341)	0.00000998		
PCB 82	MG/KG	T			0.000132	0.000532	0.000046	0.000348		
PCB 83	MG/KG	T			0.0000511	0.000225	0.0000304	0.000112		
PCB 84	MG/KG	T			0.000221	0.000997	0.0000996	0.000542		
PCB 88	MG/KG	T			ND (0.0000029)	ND (0.00000325)	ND (0.0000056)	ND (0.00000475)		
PCB 89	MG/KG	T			0.0000114	0.0000709	ND (0.00000478)	0.0000307		
PCB 9	MG/KG	T			0.0000072	0.000106	ND (0.00000863)	0.0000163		
PCB 91	MG/KG	T			0.000166	0.000546	0.0000779	0.00043		
PCB 92	MG/KG	T			0.000216	0.000864	0.000106	0.000508		
PCB 94	MG/KG	T			0.0000057	0.0000288	ND (0.00000547)	0.000015	EMPC	
PCB 95	MG/KG	T			0.000854	0.00266 J	0.000427	0.00198		
PCB 96	MG/KG	T			0.00000835	0.0000437	ND (0.00000146)	0.0000207		
PCB 98	MG/KG	T			ND (0.00000203)	ND (0.00000227)	ND (0.00000425)	ND (0.00000361)		
PCB 99	MG/KG	T			0.000455	0.00148	0.000227	0.00111		
PCB-100/93	MG/KG	T			0.00000859	0.000045	ND (0.00000446)	0.0000196	EMPC	
PCB-107/124	MG/KG	T			0.0000601	0.000134	0.0000301	0.000121		
PCB-108/119/86/97/125/87	MG/KG	T			0.000739	0.00251 J	0.00032	0.00199 J		
PCB-113/90/101	MG/KG	T			0.00115	0.0035 J	0.000545	0.00293 J		
PCB-116/85	MG/KG	T			0.000282	0.000774	0.000101	0.000586		
PCB-128/166	MG/KG	T			0.000446	0.000693	0.000261	0.000965		
PCB-13/12	MG/KG	T			0.0000381	0.000366	0.0000136	0.000111		
PCB-139/140	MG/KG	T			0.0000411	0.0000905	0.0000249	0.0000622		
PCB-147/149	MG/KG	T			0.0019 J	0.0029 J	0.000891	0.00413 J		
PCB-151/135	MG/KG	T			0.000798	0.00135	0.000403	0.00187		
PCB-153/168	MG/KG	T			0.00215 J	0.00326 J	0.00112	0.00497 J		
PCB-156/157	MG/KG	T			0.000307	0.00051	0.000196	0.000763		
PCB-163/138/129	MG/KG	T			0.00327 J	0.00467 J	0.00154	0.00644 J		
PCB-171/173	MG/KG	T			0.000207	0.000244	0.00012	0.000603		
PCB-180/193	MG/KG	T			0.00162	0.0018 J	0.000914	0.00462 J		
PCB-198/199	MG/KG	T			0.000825	0.000789	0.000422	0.00178		
PCB-21/33	MG/KG	T			0.000234	0.00286 J	0.0000417	0.000379		
PCB-26/29	MG/KG	T			0.0000805	0.00154	0.000014	0.000122		
PCB-28/20	MG/KG	T			0.000496	0.00735 J	0.0000894	0.000753		
PCB-30/18	MG/KG	T			0.000201	0.00346 J	0.0000306	0.000263		
PCB-44/47/65	MG/KG	T			0.000398	0.00488 J	0.000113	0.00117		
PCB-50/53	MG/KG	T			0.0000704	0.00111	0.000017	0.000217		
PCB-59/62/75	MG/KG	T			0.0000514	0.000521	0.0000132	0.000137		
PCB-61/70/74/76	MG/KG	T			0.000932	0.0054 J	0.00024	0.0018		
PCB-69/49	MG/KG	T			0.000304	0.00327 J	0.0000829	0.000915		
PCB-71/40	MG/KG	T			0.000161	0.00198 J	0.0000359	0.000435		
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000619	0.0105	0.00102	0.00123		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00613	0.00711 J	0.00356	EMPC	0.0179	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0121 J	0.0188	0.00593	EMPC	0.0262	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000305	0.00016	ND (0.00000157)	0.0000641	EMPC	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000798	0.00103	0.000681	0.00207		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00245	0.00242	0.00137	EMPC	0.0061	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00797	0.0231	0.00392	0.0192	EMPC	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00413 J	0.0349	0.00111	0.00988	EMPC	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00228 J	0.0327 J	0.000383	0.00339		
ALUMINUM	MG/KG	T	990000	MG/KG	12000	13000		13800	12300	
ANTIMONY	MG/KG	T	410	MG/KG	1.27 J	5.11 J		3.84 J	24.1 J	
ARSENIC	MG/KG	T	11	MG/KG	^2.74	^5.71		^4.91 J	^4.97 J	
BARIUM	MG/KG	T	190000	MG/KG	76.7	84.7		59.7 J	71.4 J	
BERYLLIUM	MG/KG	T	2000	MG/KG	0.642	0.762		0.752	0.576	
CADMIUM	MG/KG	T	800	MG/KG	1.28	1.64		0.785	0.946	
CALCIUM	MG/KG	T			2170	4110		1990	2100	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-4**  
**Summary of Analytical Results - SWMU 5**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S05SB16	S05SB16	S05SB17	S05SB17	S05SB17	S05SB17
				Date	6/10/10	6/10/10	6/18/10	6/18/10	6/18/10	6/18/10
				Top (ft)	0	6	0	4	0	4
				Bottom (ft)	2	8	2	6	2	6
				Duplicate	FS	FS	FS	FS	FS	FS
CHROMIUM	MG/KG	T			63.4 J	52 J			36.3 J	38.6 J
COBALT	MG/KG	T	300	MG/KG	5.95	5.35			6.59	5.77
COPPER	MG/KG	T	41000	MG/KG	960	1410			267	87.2
IRON	MG/KG	T	720000	MG/KG	22800	25400			24700	22200
LEAD	MG/KG	T	800	MG/KG	287	109			119	^1220
MAGNESIUM	MG/KG	T		MG/KG	1960	1890			1790	1910
MANGANESE	MG/KG	T	23000	MG/KG	170 J	170 J			135 J	150 J
MERCURY	MG/KG	T	43	MG/KG	0.312	0.159			0.291 J	0.332 J
NICKEL	MG/KG	T	20000	MG/KG	17.9 J	46.3 J			18.4	19.4
POTASSIUM	MG/KG	T		MG/KG	1080 J	1040 J			1320 J	891 J
SELENIUM	MG/KG	T	5100	MG/KG					ND (1.1) UJ	ND (1.1) UJ
SILVER	MG/KG	T	5100	MG/KG		0.332 J			0.238 J	0.443 J
SODIUM	MG/KG	T		MG/KG	59.1 J	75.7 J			91.6 J	95.4 J
THALLIUM	MG/KG	T	10	MG/KG		ND (1.71)			1.91 J	1.76 J
TITANIUM	MG/KG	T								
VANADIUM	MG/KG	T			105	65.2			62.1	47
ZINC	MG/KG	T	310000	MG/KG	73.1	448			58.5	65.1
TOTAL ORGANIC CARBON	MG/KG	T								
HPCDFS	MG/KG	I								

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Duplicate	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03	S13SB04	S13SB05	S13SB06	S13SB06	S13SB08
					Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
					Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)	Top (ft)
					6/4/08	6/4/08	6/4/08	6/5/08	6/4/08	5/27/08	5/27/08	5/27/08	5/27/08	6/5/08
					2	2	8	2	2	6	5.5	0	7.5	4
					4	4	9.5	4	4	8	7.5	2	9.5	6
					DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
ACETONE	MG/KG	T	630000	MG/KG		0.012 J	0.015 J	ND (0.007)	ND (0.007)	0.018 J	ND (0.008)		ND (0.008)	0.014 J
CARBON DISULFIDE	MG/KG	T	3700	MG/KG		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
CHLOROFORM	MG/KG	T	1.5	MG/KG		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
CIS-1,2 DICHLOROETHENE	MG/KG	T	2000	MG/KG		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
TRICHLOROETHENE	MG/KG	T	14	MG/KG		ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)		ND (0.001)	ND (0.001)
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.041)	ND (0.039)	0.057 J	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.041)	ND (0.039)	0.072 J	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.082)	ND (0.079)	ND (0.078)	ND (0.084)	ND (0.075)	ND (0.08)	ND (0.084)		ND (0.081)	ND (0.074)
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.041)	ND (0.039)	0.067 J	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.041)	0.041 J	0.16 J	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	0.16 J	0.12 J	0.61	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.041)	ND (0.039)	0.11 J	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
PYRENE	MG/KG	T	17000	MG/KG	ND (0.041)	0.041 J	0.16 J	ND (0.042)	ND (0.038)	ND (0.04)	ND (0.042)		ND (0.041)	ND (0.037)
1,2,3,4,6,7,8-HPCDD	MG/KG	T				0.0000374		0.00000284	0.00000878	ND (0.00000271)	ND (0.00000252)	0.0000312		0.00000682
1,2,3,4,6,7,8-HPCDF	MG/KG	T				0.0000216		ND (0.00000191) UJ	0.0000027	ND (0.00000149)	ND (0.00000118)	0.00000603		ND (0.00000225) UJ
1,2,3,4,7,8,9-HPCDF	MG/KG	T				0.00000814		0.00000123 J	0.00000215 J	ND (0.00000215)	ND (0.00000178)	0.00000263		ND (0.000000593)
1,2,3,4,7,8-HXCDD	MG/KG	T				0.00000453 J		ND (0.00000109)	ND (0.00000112)	ND (0.00000252)	ND (0.00000195)	ND (0.00000248) UJ		ND (0.00000117)
1,2,3,4,7,8-HXCDF	MG/KG	T				0.00000318		ND (0.000000352)	0.00000133 J	ND (0.000000783)	ND (0.00000139)	0.00000236 J		ND (0.000000677)
1,2,3,6,7,8-HXCDD	MG/KG	T				0.0000014 J		ND (0.00000011)	0.0000003 EMPC J	ND (0.00000278)	ND (0.00000207)	0.000000737 J		ND (0.00000113)
1,2,3,6,7,8-HXCDF	MG/KG	T				0.000000914 J		ND (0.00000031)	0.000000398 EMPC J	ND (0.00000069)	ND (0.00000122)	0.00000052 J		ND (0.000000603)
1,2,3,7,8,9-HXCDD	MG/KG	T				0.000001 J		ND (0.00000118)	0.000000314 EMPC J	ND (0.00000275)	ND (0.00000215)	0.000000713 J		0.000000453 J
1,2,3,7,8,9-HXCDF	MG/KG	T				0.000000817 J		ND (0.000000462)	0.000000408 J	ND (0.00000104)	ND (0.00000183)	0.000000475 EMPC J		ND (0.000000871)
1,2,3,7,8-PCDD	MG/KG	T				0.000000351 J		ND (0.00000126)	ND (0.00000229) UJ	ND (0.00000099)	ND (0.00000135)	ND (0.000000997)		ND (0.000000974)
1,2,3,7,8-PCDF	MG/KG	T				0.00000126 J		ND (0.000000746)	0.00000045 J	ND (0.00000102)	ND (0.00000109)	0.000000466 J		ND (0.00000127)
2,3,4,6,7,8-HXCDF	MG/KG	T				0.000000847 J		ND (0.000000325)	0.000000385 J	ND (0.000000819)	ND (0.00000134)	0.000000532 EMPC J		ND (0.000000674)
2,3,4,7,8-PCDF	MG/KG	T				0.000000894 J		ND (0.000000671)	0.00000037 EMPCJ	ND (0.00000092)	ND (0.000000944)	0.000000376 J		ND (0.00000107)
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.00000132 EMPC J		ND (0.000000829)	ND (0.000000656)	ND (0.00000107)	ND (0.000000587)	ND (0.00000111)		ND (0.000000766)
2,3,7,8-TCDF	MG/KG	T				0.000000967		ND (0.000000621)	0.000000376 J	ND (0.000000684)	ND (0.000000575)	0.000000202 EMPC J		ND (0.000000572)
HPCDDs	MG/KG	T				0.0000763		0.0000102	0.0000448	ND (0.00000271)	ND (0.00000252)	0.0000676		0.0000146
HXCDDs	MG/KG	T				0.0000149		0.0000064	0.0000202 EMPC	ND (0.00000268)	ND (0.00000206)	0.0000176 EMPC		0.00000497 EMPC
HXCDFs	MG/KG	T				0.0000131 EMPC		ND (0.000000357)	0.00000445 EMPC	ND (0.000000821)	ND (0.00000142)	0.00000753 EMPC		ND (0.000000698)
OCDD	MG/KG	T				0.00252		0.0000998	0.00037	0.0000101 J	0.00000221 J	0.00127		0.000583
OCDF	MG/KG	T				0.00226		0.00000795 J	0.000067	ND (0.000000492) UJ	ND (0.000000244)	0.000121		0.00000659
TCDDs	MG/KG	T				0.00000283 EMPC		0.00000158	0.0000259 EMPC	0.000000425	ND (0.000000587)	0.00000125 EMPC		0.00000251
TCDFs	MG/KG	T				0.00000838 EMPC		ND (0.000000621)	0.00000233 EMPC	ND (0.000000684)	ND (0.000000575)	0.00000364 EMPC		ND (0.000000572)
TOTAL HPCDD	MG/KG	T												
TOTAL HPCDF	MG/KG	T												
TOTAL HXCDD	MG/KG	T												
TOTAL HXCDF	MG/KG	T												
TOTAL PCDD	MG/KG	T												
TOTAL PCDDs	MG/KG	T				0.0000057 EMPC		0.00000102	0.0000681 EMPC	ND (0.00000099)	ND (0.00000135)	0.00000357 EMPC		0.00000151
TOTAL PCDF	MG/KG	T												
TOTAL PCDFs	MG/KG	T				0.0000091 EMPC		ND (0.000000707)	0.0000027 EMPC	ND (0.000000967)	ND (0.00000102)	0.00000484 EMPC		ND (0.00000117)
PCB 1	MG/KG	T				0.0000023		ND (0.000000404)	ND (0.000000545)	0.000000206 EMPC	ND (0.000000255)	0.00000374		0.00000204 EMPC
PCB 10	MG/KG	T				ND (0.00000218)		ND (0.00000182)	ND (0.000000311)	ND (0.00000114)	ND (0.000000206)	0.000000351		ND (0.00000207)
PCB 102	MG/KG	T				0.0000167		ND (0.00000143)	ND (0.000000196)	ND (0.00000113)	ND (0.000000154)	0.0000054		ND (0.00000105)
PCB 103	MG/KG	T				0.00000292		ND (0.00000141)	ND (0.000000197)	ND (0.00000012)	ND (0.000000163)	0.000000964		ND (0.00000106)
PCB 105	MG/KG	T	0.38	MG/KG		0.000248		0.000000321 B	0.0000103	0.000000596 B	0.000000312 B	0.0000628		0.00000058 J
PCB 109	MG/KG	T				0.0000362		ND (0.00000111)	0.00000146	ND (0.000000904)	ND (0.000000123)	0.00000948		ND (0.00000081)
PCB 11	MG/KG	T				0.00002 B		0.00000509 B	0.0000111 B	0.00000545 B	0.00000523 B	0.000102		0.00000634 B
PCB 110	MG/KG	T				0.00114		0.0000013 B	0.0000195	0.00000107 B	0.000000822 B	0.000275		0.00000265
PCB 111	MG/KG	T				ND (0.00000233)		ND (0.00000112)	ND (0.000000152)	ND (0.000000947)	ND (0.000000129)	ND (0.000000215)		ND (0.000000816)
PCB 114	MG/KG	T	0.38	MG/KG		0.0000108		ND (0.00000011)	0.000000425 EMPCJ	ND (0.000000937)	ND (0.000000129)	0.00000322		ND (0.000000822)
PCB 117	MG/KG	T				ND (0.00000261)		ND (0.00000119)	ND (0.000000171)	ND (0.000000944)	ND (0.000000129)	0.00000581		ND (0.000000915)
PCB 118	MG/KG	T	0.38	MG/KG		0.000631		0.000000803 B	0.0000161	0.0000012 B	0.000000704 B	0.000139		0.00000121 B
PCB 120	MG/KG	T				ND (0.00000233)		ND (0.00000113)	ND (0.000000153)	ND (0.000000947)	ND (0.000000129)	ND (0.000000215)		ND (0.000000817)
PCB 121	MG/KG	T				ND (0.00000238)		ND (0.00000114)	ND (0.000000155)	ND (0.000000963)	ND (0.000000131)	ND (0.000000219)		ND (0.000000831)
PCB 122	MG/KG	T				0.00000605		ND (0.00000121)	0.000000953 EMPC	ND (0.00000105)	ND (0.00000145)	0.00000213		ND (0.000000899)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03	S13SB04	S13SB05	S13SB06	S13SB06	S13SB08
				Date	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08	5/27/08	5/27/08	5/27/08	5/27/08	6/5/08
				Top (ft)	2	2	8	2	6	5.5	0	7.5	4	
Bottom (ft)	4	4	9.5	4	4	7.5	2	9.5	6					
Duplicate	DUP	FS	FS	FS	FS	FS	FS	FS	FS					
PCB 123	MG/KG	T	0.38	MG/KG		0.0000113		ND (0.00000117)	0.00000348 EMPCJ	ND (0.000000968)	ND (0.00000132)	0.00000318		ND (0.00000086)
PCB 126	MG/KG	T	0.00011	MG/KG		0.0000199		ND (0.00000129)	0.00000809 J	ND (0.00000131)	ND (0.0000016)	0.0000109		ND (0.00000112)
PCB 127	MG/KG	T				ND (0.00000236)		ND (0.00000115)	ND (0.00000154)	ND (0.00000095)	ND (0.00000123)	ND (0.0000021)		ND (0.000000819)
PCB 130	MG/KG	T				0.0000993		ND (0.00000152)	0.0000031	ND (0.00000107)	ND (0.00000135)	0.0000233		0.00000358
PCB 131	MG/KG	T				0.0000206		ND (0.00000147)	0.00000532 EMPC	ND (0.0000011)	ND (0.0000014)	0.0000534		ND (0.00000114)
PCB 132	MG/KG	T	0.0006			0.00000704 B		0.00000116	0.00000116	0.00000597 B	0.00000031 B	0.000131		0.00000163
PCB 133	MG/KG	T				0.0000201		ND (0.0000014)	0.00000615	ND (0.00000103)	ND (0.0000013)	0.0000477		ND (0.00000105)
PCB 134	MG/KG	T				0.000111		ND (0.00000159)	0.00000175	ND (0.00000124)	ND (0.00000157)	0.0000237		ND (0.00000131)
PCB 136	MG/KG	T	0.000249			0.00000347 B		0.00000346	0.00000346	0.00000166 B	ND (0.00000101)	0.000047		0.00000715
PCB 137	MG/KG	T				0.0000608		ND (0.00000136)	0.00000138	ND (0.000000918)	ND (0.00000116)	0.0000131		0.00000123 EMPC
PCB 14	MG/KG	T				0.00000028		ND (0.00000271)	ND (0.00000157)	ND (0.00000225)	ND (0.00000269)	ND (0.00000186)		ND (0.0000016)
PCB 141	MG/KG	T				0.000426		0.00000341 B	0.0000116	0.00000488 B	ND (0.00000123)	0.0000716		0.00000866
PCB 142	MG/KG	T				ND (0.00000123)		ND (0.00000147)	ND (0.00000139)	ND (0.0000011)	ND (0.00000139)	ND (0.000000871)		ND (0.00000113)
PCB 143	MG/KG	T				ND (0.00000107)		ND (0.00000132)	ND (0.00000121)	ND (0.000000972)	ND (0.00000123)	ND (0.000000769)		ND (0.000000978)
PCB 144	MG/KG	T				0.0000966		ND (0.00000127)	0.00000164	ND (0.000000954)	ND (0.00000121)	0.0000199		0.00000272
PCB 145	MG/KG	T				ND (0.000000844)		ND (0.00000102)	ND (0.00000107)	ND (0.000000734)	ND (0.00000102)	ND (0.000000652)		ND (0.000000822)
PCB 146	MG/KG	T	0.000246			0.00000297 B		0.00000569	0.00000569	0.00000279 B	ND (0.00000115)	0.0000485		0.00000563 EMPC
PCB 148	MG/KG	T				0.000000578		ND (0.00000134)	ND (0.00000126)	ND (0.00000101)	ND (0.00000128)	0.00000187 EMPC		ND (0.00000102)
PCB 15	MG/KG	T				0.0000125		0.00000301 B	0.00000266	0.00000352 B	0.00000352 B	0.0000159		0.00000484
PCB 150	MG/KG	T				0.000000895		ND (0.000000994)	ND (0.00000106)	ND (0.000000699)	ND (0.000000971)	0.00000277		ND (0.000000818)
PCB 152	MG/KG	T				0.000000954		ND (0.000000947)	ND (0.00000103)	ND (0.000000689)	ND (0.000000956)	0.00000273		ND (0.000000796)
PCB 154	MG/KG	T				0.00000833		ND (0.00000115)	ND (0.00000109)	ND (0.000000867)	ND (0.0000011)	0.00000235		ND (0.000000887)
PCB 155	MG/KG	T				ND (0.000000773)		ND (0.000000926)	ND (0.000000976)	ND (0.000000679)	ND (0.000000942)	ND (0.000000603)		ND (0.000000753)
PCB 158	MG/KG	T	0.000192			0.00000185 EMPC		0.00000533	0.00000533	0.0000031 EMPC	ND (0.000000873)	0.0000421		0.00000474 EMPC
PCB 159	MG/KG	T				0.0000227		ND (0.00000117)	0.000000792 EMPC	0.00000181 EMPC	ND (0.00000145)	0.0000495		ND (0.00000119)
PCB 16	MG/KG	T				0.00000393		0.00000266 B	0.00000156 B	0.000000361 B	ND (0.00000232)	0.0000173		0.00000532 B
PCB 162	MG/KG	T				0.00000396 EMPC		ND (0.00000117)	0.00000303 EMPC	ND (0.000000981)	ND (0.00000143)	0.0000155		ND (0.00000117)
PCB 164	MG/KG	T	0.000148			0.00000205		0.00000411	0.00000411	ND (0.000000757)	ND (0.000000958)	0.0000325		0.00000457
PCB 165	MG/KG	T				ND (0.000000942)		ND (0.00000112)	ND (0.00000107)	ND (0.000000831)	ND (0.00000105)	ND (0.000000658)		ND (0.000000864)
PCB 167	MG/KG	T	0.38	MG/KG		0.0000665		ND (0.00000118)	0.00000256	0.00000171 J	ND (0.00000145)	0.0000149		ND (0.00000122)
PCB 169	MG/KG	T	0.00038	MG/KG		0.00000413		0.00000213 J	0.00000045 J	ND (0.00000108)	ND (0.00000144)	ND (0.00000036)		ND (0.00000121)
PCB 17	MG/KG	T				0.00000402		0.00000317 B	0.00000153 B	0.00000046 B	0.000000439 B	0.0000169		0.00000552 B
PCB 170	MG/KG	T				0.000682		0.00000069 B	0.0000287	0.00000277	0.000001 B	0.00014		0.00000171
PCB 172	MG/KG	T				0.000121		ND (0.0000018)	0.00000517	0.000000594	ND (0.00000216)	0.0000251		0.00000335
PCB 174	MG/KG	T	0.000727			0.00000817 B		0.00000236	0.00000236	0.00000417	0.00000142 B	0.000155		0.00000181
PCB 175	MG/KG	T				0.0000284		ND (0.0000016)	0.000000991	ND (0.00000163)	ND (0.00000208)	0.0000663		ND (0.00000115)
PCB 176	MG/KG	T				0.0000926		ND (0.000000934)	0.00000238	0.000000221	ND (0.00000118)	0.0000168		0.00000273
PCB 177	MG/KG	T	0.000404			0.00000041 B		0.00000129	0.0000129	0.00000162 B	ND (0.00000216)	0.0000848		0.000001
PCB 178	MG/KG	T	0.000151			0.00000133		ND (0.00000133)	0.00000457	0.00000069	ND (0.00000159)	0.0000266		0.00000464 EMPC
PCB 179	MG/KG	T				0.000309		0.00000328 EMPC	0.00000745	0.000000949	0.000000492	0.0000575		0.00000822
PCB 181	MG/KG	T				0.00000309		ND (0.00000162)	ND (0.00000201)	ND (0.00000157)	ND (0.0000002)	0.0000011		ND (0.00000112)
PCB 182	MG/KG	T				ND (0.00000293)		ND (0.00000152)	ND (0.00000194)	ND (0.0000015)	ND (0.00000191)	ND (0.00000306)		ND (0.00000108)
PCB 183	MG/KG	T				0.000404		0.000000468 B	0.000013	0.00000227 B	0.000000722 B	0.0000834		0.000001
PCB 184	MG/KG	T				ND (0.000000973)		ND (0.00000101)	ND (0.00000122)	ND (0.000000904)	ND (0.0000013)	ND (0.000000951)		ND (0.00000074)
PCB 185	MG/KG	T				0.00007 EMPC		ND (0.00000159)	0.00000256	0.000000746	ND (0.00000203)	0.0000176		0.000003 EMPC
PCB 186	MG/KG	T				ND (0.000000952)		ND (0.000000986)	ND (0.00000119)	ND (0.000000852)	ND (0.00000122)	ND (0.000000895)		ND (0.000000724)
PCB 187	MG/KG	T				0.0000914		0.000000997 B	0.00000299	0.000000619	0.00000217 B	0.00018		0.00000255
PCB 188	MG/KG	T				0.000000616 EMPC		ND (0.00000009)	ND (0.00000105)	ND (0.000000782)	ND (0.00000112)	0.000000208		ND (0.000000639)
PCB 189	MG/KG	T	0.38	MG/KG		0.0000229		ND (0.00000102)	0.0000166	ND (0.000000957)	ND (0.0000015)	0.0000533		ND (0.00000107)
PCB 19	MG/KG	T				0.0000113		ND (0.00000129)	0.000000408 EMPC	ND (0.00000177)	ND (0.00000183)	0.0000421		ND (0.00000165)
PCB 190	MG/KG	T				0.000131		ND (0.00000137)	0.00000565	0.00000104	ND (0.00000159)	0.0000272		0.00000368
PCB 191	MG/KG	T				0.0000279		ND (0.00000132)	0.00000144	ND (0.00000122)	ND (0.00000155)	0.0000058		ND (0.000000889)
PCB 194	MG/KG	T	0.000465			0.000000454 B		0.00000232	0.0000193	0.00000638	0.00000638	0.0000775		0.00000159
PCB 195	MG/KG	T				0.000167		ND (0.00000147)	0.00000692	0.00000451	0.00000156	0.0000303		0.00000042
PCB 196	MG/KG	T				0.000233		ND (0.00000156)	0.0000111	0.00000682	0.00000255	0.0000367		0.00000753 EMPC
PCB 197	MG/KG	T				0.000014		ND (0.00000113)	0.000000959	0.000000262	ND (0.00000169)	0.00000301		ND (0.000000937)
PCB 2	MG/KG	T				0.00000221		ND (0.00000136)	0.000000414 EMPC	ND (0.00000104)	ND (0.00000154)	0.00000195		0.00000278 EMPC
PCB 200	MG/KG	T				0.000063		ND (0.00000114)	0.00000256	0.00000128	0.000000464 EMPC	0.0000107		0.00000237 EMPC
PCB 201	MG/KG	T				0.0000556		ND (0.00000111)	0.0000028	0.00000102	0.000000389	0.0000105		0.00000024 EMPC
PCB 202	MG/KG	T				0.0000922		ND (0.00000112)	0.00000407	0.00000138	0.000000559 B	0.0000174		0.000000582
PCB 203	MG/KG	T				0.000317		0.000000342 B	0.0000174	0.0000115	0.00000418	0.000052		0.00000169
PCB 204	MG/KG	T				ND (0.00000143)		ND (0.00000115)	ND (0.00000187)	ND (0.00000103)	ND (0.00000177)	ND (0.00000122)		ND (0.000000945)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date	S13SB01	S13SB01	S13SB01	S13SB02	S13SB03	S13SB04	S13SB05	S13SB06	S13SB06	S13SB08
					6/4/08	6/4/08	6/4/08	6/5/08	6/4/08	5/27/08	5/27/08	5/27/08	5/27/08	6/5/08
					2	2	8	2	2	6	5.5	0	7.5	4
				Top (ft)	4	4	9.5	4	4	8	7.5	2	9.5	6
				Bottom (ft)	4	4	9.5	4	4	8	7.5	2	9.5	6
				Duplicate	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 205	MG/KG	T				0.0000196		ND (0.00000108)	0.00000168	0.000000824	ND (0.000000215)	0.00000386		ND (0.000000104)
PCB 206	MG/KG	T				0.000399		0.00000394 EMPC	0.0000324	0.0000167	0.00000559	0.0000734		0.00000288
PCB 207	MG/KG	T				0.0000477		ND (0.00000168)	0.00000382	0.00000143	0.000000531	0.000011		0.000000311 EMPC
PCB 208	MG/KG	T				0.00011		ND (0.000000182)	0.00000522	0.00000227	0.000000881	0.000025		0.000000892
PCB 209	MG/KG	T				0.00826 J		0.00000407	0.000191	0.00000116 B	0.000000783 B	0.000467		0.0000179
PCB 22	MG/KG	T				0.00000735		0.00000021 B	0.00000125 B	0.00000033 B	0.000000348 B	0.0000221		0.000000566 B
PCB 23	MG/KG	T				ND (0.000000144)		ND (0.000000144)	ND (0.000000145)	ND (0.000000179)	ND (0.000000193)	ND (0.000000225)		ND (0.000000125)
PCB 24	MG/KG	T				ND (0.000000121)		ND (0.000000107)	ND (0.000000174)	ND (0.000000145)	ND (0.000000149)	0.000000591		ND (0.000000139)
PCB 25	MG/KG	T				0.00000143		ND (0.00000013)	0.000000329	ND (0.000000164)	ND (0.000000177)	0.0000039		0.00000012 EMPC
PCB 27	MG/KG	T				0.000000807		ND (0.000000101)	0.000000289 EMPC	ND (0.000000137)	ND (0.000000142)	0.00000307		ND (0.000000128)
PCB 3	MG/KG	T				0.00000858		0.000000339 EMPC	0.000000674 EMPC	ND (0.0000000925)	ND (0.000000138)	0.00000549		0.000000207 EMPC
PCB 31	MG/KG	T				0.0000192		0.000000475 B	0.00000027 B	0.000000784 B	0.000000701 B	0.0000498		0.00000117 B
PCB 32	MG/KG	T				0.00000464		0.000000191 B	0.00000119 B	0.000000236 B	0.000000238 B	0.0000142		0.00000042 B
PCB 34	MG/KG	T				ND (0.00000014)		ND (0.000000139)	ND (0.000000141)	ND (0.000000175)	ND (0.000000188)	0.000000327		ND (0.000000121)
PCB 35	MG/KG	T				0.00000638		ND (0.000000147)	0.00000038 EMPC	ND (0.000000173)	ND (0.000000186)	0.00000426		0.000000149
PCB 36	MG/KG	T				ND (0.000000133)		ND (0.000000138)	0.0000004	ND (0.000000165)	ND (0.000000177)	0.00000173		ND (0.000000115)
PCB 37	MG/KG	T				0.0000161		0.000000206	0.00000185	0.000000245	ND (0.000000168)	0.0000241		0.000000345
PCB 38	MG/KG	T				ND (0.000000146)		ND (0.000000149)	ND (0.000000147)	ND (0.000000176)	ND (0.000000189)	ND (0.00000022)		ND (0.000000127)
PCB 39	MG/KG	T				ND (0.000000136)		ND (0.000000136)	ND (0.000000137)	ND (0.000000162)	ND (0.000000175)	0.000000318		ND (0.000000118)
PCB 4	MG/KG	T				0.0000014		0.000000278	0.000000123	0.000000403	0.000000485	0.00000484		0.000000506
PCB 41	MG/KG	T				0.00000236		ND (0.000000135)	0.000000337	ND (0.000000148)	ND (0.000000172)	0.00000639		0.000000167
PCB 42	MG/KG	T				0.0000108		ND (0.000000123)	0.00000163	ND (0.000000128)	ND (0.000000149)	0.0000149		0.000000257
PCB 43	MG/KG	T				ND (0.000000182)		ND (0.000000139)	ND (0.000000167)	ND (0.000000153)	ND (0.000000177)	0.00000194		ND (0.000000136)
PCB 45	MG/KG	T				0.00000651		ND (0.000000135)	0.000001 EMPC	ND (0.00000014)	ND (0.000000162)	0.0000115		ND (0.000000129)
PCB 46	MG/KG	T				0.00000395		ND (0.000000134)	0.000000336 EMPC	ND (0.000000148)	ND (0.000000171)	0.00000508		ND (0.000000125)
PCB 48	MG/KG	T				0.00000539		ND (0.000000116)	0.000000798	ND (0.000000123)	ND (0.000000142)	0.000011		0.000000204
PCB 5	MG/KG	T				0.000000433		0.000000033 B	0.000000435	0.000000334 B	0.000000457 B	0.000000733 B		0.000000369
PCB 51	MG/KG	T				0.00000019		ND (0.000000101)	0.000000504 EMPC	ND (0.000000118)	ND (0.000000136)	0.000000298		ND (0.0000000925)
PCB 52	MG/KG	T				0.000198		0.000000659 B	0.000000604	0.000000769 B	0.000000661 B	0.00000957		0.000000957 B
PCB 54	MG/KG	T				0.00000014 EMPC		ND (0.0000000828)	ND (0.000000102)	ND (0.0000000753)	ND (0.000000102)	0.000000191		ND (0.0000000708)
PCB 55	MG/KG	T				ND (0.000000322)		ND (0.000000113)	ND (0.000000176)	ND (0.000000135)	ND (0.000000159)	0.00000102		ND (0.000000102)
PCB 56	MG/KG	T				0.0000292		0.000000151	0.0000115	ND (0.000000128)	ND (0.00000015)	0.000029		0.000000228
PCB 57	MG/KG	T				ND (0.000000315)		ND (0.000000108)	ND (0.000000172)	ND (0.000000129)	ND (0.000000152)	ND (0.000000248)		ND (0.0000000995)
PCB 58	MG/KG	T				ND (0.000000312)		ND (0.0000001)	ND (0.00000017)	ND (0.000000129)	ND (0.000000152)	ND (0.000000249)		ND (0.0000000985)
PCB 6	MG/KG	T				0.00000103		ND (0.000000032)	0.00000111	0.000000262 B	ND (0.000000311)	0.00000437		0.0000000655
PCB 60	MG/KG	T				0.0000153		ND (0.000000108)	0.00000093	ND (0.00000013)	ND (0.000000153)	0.0000173		0.000000117 EMPC
PCB 63	MG/KG	T				0.00000217		ND (0.0000000989)	ND (0.000000157)	ND (0.000000117)	ND (0.000000138)	0.00000212		ND (0.0000000912)
PCB 64	MG/KG	T				0.0000355		0.000000213	0.000000341	0.000000182 EMPC	ND (0.000000101)	0.00000296		0.000000407 B
PCB 66	MG/KG	T				0.0000756		0.000000216 EMPC	0.000000339	0.000000306	0.000000304	0.00000613		0.000000363 EMPC
PCB 67	MG/KG	T				0.00000102		ND (0.0000000958)	ND (0.00000016)	ND (0.000000121)	ND (0.000000142)	0.00000171		ND (0.0000000927)
PCB 68	MG/KG	T				ND (0.000000282)		ND (0.0000000987)	0.000000257	0.000000187	ND (0.00000014)	ND (0.000000229)		ND (0.0000000892)
PCB 7	MG/KG	T				0.000000194		ND (0.000000313)	ND (0.00000018)	ND (0.000000026)	ND (0.000000311)	0.000000624		ND (0.000000183)
PCB 72	MG/KG	T				ND (0.000000295)		ND (0.000000104)	ND (0.000000161)	ND (0.000000123)	ND (0.000000145)	0.000000332 EMPC		ND (0.0000000931)
PCB 77	MG/KG	T	0.11	MG/KG		0.0000175		0.000000186 J	0.000000331	ND (0.00000012)	ND (0.00000015)	0.0000101		ND (0.0000000914)
PCB 79	MG/KG	T				0.0000047		ND (0.000000093)	ND (0.000000149)	ND (0.000000114)	ND (0.000000134)	0.00000153		ND (0.0000000863)
PCB 8	MG/KG	T				0.00000755		0.000000791 B	0.00000293 B	0.000001 B	0.00000113 B	0.0000153		0.00000119 B
PCB 80	MG/KG	T				ND (0.000000028)		ND (0.0000000954)	ND (0.000000153)	ND (0.000000115)	ND (0.000000135)	ND (0.000000221)		ND (0.0000000886)
PCB 81	MG/KG	T	0.038	MG/KG		ND (0.000000301)		ND (0.000000103)	ND (0.000000164)	ND (0.000000119)	ND (0.00000014)	0.000000497 EMPC		ND (0.000000095)
PCB 82	MG/KG	T				0.0000076		ND (0.000000181)	0.000000394	ND (0.000000152)	ND (0.000000206)	0.000022		ND (0.000000134)
PCB 83	MG/KG	T				0.0000451		ND (0.000000195)	0.00000117	ND (0.000000155)	ND (0.000000211)	0.00000903		ND (0.000000133)
PCB 84	MG/KG	T				0.0000226		ND (0.000000174)	0.00000299	0.000000196 EMPC	ND (0.000000199)	0.00000576		0.0000000559
PCB 89	MG/KG	T				0.00000581		ND (0.000000162)	ND (0.000000226)	ND (0.000000136)	ND (0.000000186)	0.00000221		ND (0.000000121)
PCB 9	MG/KG	T				0.000000728		0.000000226 B	0.000000785	0.000000357 B	0.000000291 B	0.00000522 B		0.0000000529
PCB 91	MG/KG	T				0.0000888		ND (0.000000129)	0.00000115	ND (0.000000115)	ND (0.000000156)	0.0000264		0.000000264 EMPC
PCB 92	MG/KG	T				0.000133		0.000000195 EMPC	0.00000187	ND (0.00000013)	ND (0.000000177)	0.0000311		0.0000000329
PCB 94	MG/KG	T				0.00000255		ND (0.000000164)	ND (0.000000232)	ND (0.000000141)	ND (0.000000192)	0.000000917		ND (0.000000124)
PCB 95	MG/KG	T				0.0000783		0.000000804 B	0.000000831	0.000000615 B	0.000000527 B	0.000192		0.000000173 B
PCB 96	MG/KG	T				0.00000416		ND (0.0000001)	ND (0.000000106)	ND (0.0000000877)	ND (0.000000119)	0.00000167		ND (0.0000000857)
PCB 98	MG/KG	T				ND (0.000000331)		ND (0.00000015)	ND (0.000000216)	ND (0.000000138)	ND (0.000000188)	ND (0.000000314)		ND (0.000000116)
PCB 99	MG/KG	T				0.000239		0.000000418	0.000000414	0.000000322 EMPC	ND (0.000000152)	0.00000589		0.0000000625
PCB-100/93	MG/KG	T				0.00000311		ND (0.00000014)	ND (0.000000206)	ND (0.000000127)	ND (0.000000173)	0.00000166		ND (0.00000011)
PCB-107/124	MG/KG	T				0.0000258		ND (0.000000115)	0.000000785	ND (0.0000000972)	ND (0.000000132)	0.0000064		ND (0.0000000858)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S13SB01	S13SB01	S13SB01	S13SB02	S13SB03	S13SB04	S13SB05	S13SB06	S13SB06	S13SB08
				Date	6/4/08	6/4/08	6/4/08	6/5/08	6/4/08	5/27/08	5/27/08	5/27/08	5/27/08	5/27/08	6/5/08
				Top (ft)	2	2	8	2	6	5.5	0	7.5	4		
Bottom (ft)	4	4	9.5	4	4	7.5	2	9.5	6						
Duplicate	DUP	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB-108/119/86/97/125/87	MG/KG	T				0.0004			0.00000894	0.0000782	0.00000112 EMPC	0.00000165	0.00011		0.000000991
PCB-113/90/101	MG/KG	T				0.000706			0.0000106 B	0.0000107	0.0000112 B	0.00000844 B	0.000151		0.00000153 B
PCB-116/85	MG/KG	T				0.00011			ND (0.00000135)	0.00000244	ND (0.00000119)	ND (0.00000163)	0.0000243		ND (0.000000962)
PCB-128/166	MG/KG	T				0.00026			0.00000316	0.00000732	0.00000358 EMPC	ND (0.00000162)	0.0000624		0.00000512 EMPC
PCB-13/12	MG/KG	T				0.0000229			ND (0.00000326)	0.00000802	ND (0.00000269)	ND (0.00000322)	0.00000281		0.000000302
PCB-139/140	MG/KG	T				0.00002			ND (0.00000128)	0.00000416	ND (0.000000967)	ND (0.00000122)	0.00000517		ND (0.000000992)
PCB-147/149	MG/KG	T				0.00152			0.00000177 B	0.0000277	0.00000164 B	0.000000946 B	0.000307		0.00000406
PCB-151/135	MG/KG	T				0.000659			0.00000082 B	0.0000118	0.000000661 B	0.000000367 B	0.000129		0.00000176
PCB-153/168	MG/KG	T				0.00159			0.00000156 B	0.0000398	0.00000246 B	0.00000132 B	0.000243		0.00000315
PCB-156/157	MG/KG	T				0.000161			0.00000021 J	0.00000745	0.000000439 EMPCJ	ND (0.00000201)	0.0000371		0.000000359 J
PCB-163/138/129	MG/KG	T				0.00196			0.00000207 B	0.0000537	0.00000256 B	0.00000127 B	0.000398		0.00000447
PCB-171/173	MG/KG	T				0.000209			0.000000256 EMPC	0.00000713	0.000000608	ND (0.00000022)	0.0000453		0.000000491
PCB-180/193	MG/KG	T				0.00164			0.00000156 B	0.0000672	0.0000155	0.00000532 B	0.000314		0.00000417
PCB-198/199	MG/KG	T				0.000575			0.000000554 B	0.0000279	0.0000166	0.00000581	0.0000911		0.00000257
PCB-21/33	MG/KG	T				0.0000964			0.000000354 B	0.00000224 B	0.000000559 B	0.000000474 B	0.000029		0.000000899 B
PCB-26/29	MG/KG	T				0.0000256			ND (0.00000139)	0.00000062	ND (0.00000173)	ND (0.00000186)	0.00000845		0.00000021 EMPC
PCB-28/20	MG/KG	T				0.0000231			0.000000576 B	0.00000352 B	0.000000876 B	0.000000771 B	0.0000603		0.00000131 B
PCB-30/18	MG/KG	T				0.0000106			0.000000667 B	0.00000323 B	0.000000905 B	0.000000861 B	0.000043		0.0000011 B
PCB-44/47/65	MG/KG	T				0.0000818			0.000000678 B	0.0000069	0.00000172 B	0.000000872 B	0.000066		0.00000112 B
PCB-50/53	MG/KG	T				0.0000115			ND (0.00000109)	0.00000086	ND (0.00000121)	ND (0.0000014)	0.0000111		ND (0.00000101)
PCB-59/62/75	MG/KG	T				0.0000359			ND (0.000000861)	0.000000471	ND (0.000000921)	ND (0.00000107)	0.00000562		ND (0.000000785)
PCB-61/70/74/76	MG/KG	T				0.000219			0.00000062 B	0.0000059	0.000000708 B	0.000000535 B	0.000124		0.000000939
PCB-69/49	MG/KG	T				0.0000399			0.000000326 B	0.00000263	0.000000393 B	0.000000336 B	0.0000353		0.000000508 B
PCB-71/40	MG/KG	T				0.000022			ND (0.00000109)	0.00000807	ND (0.00000114)	ND (0.00000132)	0.0000259		0.000000388
TOTAL DICHOROBIPHENYLS (CONGENER)	MG/KG	T				0.0000464			0.00000905 B	0.000021 B	0.0000114 B	0.0000106 B	0.000152		0.0000104 B
TOTAL HEPTACHOROBIPHENYLS (CONGENER)	MG/KG	T				0.00594 EMPC			0.00000553 B	0.0000214	0.0000373 EMPC	0.0000111 B	0.00119		0.0000153 EMPC
TOTAL HEXACHOROBIPHENYLS (CONGENER)	MG/KG	T				0.00854 EMPC			0.00000903 B	0.0000203 EMPC	0.0000103 B	0.00000422 B	0.00167 EMPC		0.0000198 EMPC
TOTAL MONOCHOROBIPHENYLS (CONGENER)	MG/KG	T				0.0000131			0.000000339 EMPC	0.00000109 EMPC	0.000000206 EMPC	ND (0.00000196)	0.0000112		0.00000069 EMPC
TOTAL NONACHOROBIPHENYLS (CONGENER)	MG/KG	T				0.000557			0.000000394 EMPC	0.00000414	0.0000204	0.0000007	0.000109		0.00000409 EMPC
TOTAL OCTACHOROBIPHENYLS (CONGENER)	MG/KG	T				0.002			0.00000135 B	0.0000987	0.0000635	0.0000219 EMPC	0.000333		0.00000808 EMPC
TOTAL PENTACHOROBIPHENYLS (CONGENER)	MG/KG	T				0.00496			0.0000058 B	0.0000953 EMPC	0.00000623 B	0.00000486 B	0.0012		0.0000105 EMPC
TOTAL TETRACHOROBIPHENYLS (CONGENER)	MG/KG	T				0.000787 EMPC			0.00000305 B	0.0000583 EMPC	0.00000426 B	0.00000271 B	0.000572 EMPC		0.00000566 B
TOTAL TRICHOROBIPHENYLS (CONGENER)	MG/KG	T				0.000111			0.00000326 B	0.0000215 B	0.00000478 B	0.00000383 B	0.000304		0.00000738 B
ALUMINUM	MG/KG	T	990000	MG/KG	9380	8060	8730	10200	14700	14800	14500		18000		16700
ANTIMONY	MG/KG	T	410	MG/KG	3.11 J	2.84 J	4.18 J	ND (1.22) UJ	ND (1.1) UJ	ND (1.19) UJ	ND (1.23) UJ		ND (1.17) UJ		ND (1.09) UJ
ARSENIC	MG/KG	T	11	MG/KG	^2.45 J	^3.41 J	^2.67 J	^4.08	^3.26 J	^2.8	^3.19		^4.17		^5.46
BARIUM	MG/KG	T	190000	MG/KG	47.2	53.5	164	12	30.3	11	16.8		17.7		48.4
BERYLLIUM	MG/KG	T	2000	MG/KG	0.353 J	0.279 J	0.313 J	1.04	2.63	1.1	1.4		2.3		0.419 J
CADMIUM	MG/KG	T	800	MG/KG	0.193 J	0.245 J	ND (0.16)	ND (0.853)	ND (0.769)	ND (0.835)	ND (1.72)		ND (1.64)		ND (0.153)
CALCIUM	MG/KG	T			2040	2770	1010	462	496	1170	678		620		233
CHROMIUM	MG/KG	T			37.1 J	30.8 J	173 J	89.9	51.4 J	80.2	59.9		87.2		23.7
COBALT	MG/KG	T	300	MG/KG	0.937	0.493 J	ND (4.35)	0.417 J	3.33	3.75	3.83		25.7		3.74
COPPER	MG/KG	T	41000	MG/KG	82.8 J	86 J	80 J	12.6 J	39 J	15.1	37.5		56.4		10.8 J
IRON	MG/KG	T	720000	MG/KG	11600	11800	18400	59800	87200	58500	66000		71100		28700
LEAD	MG/KG	T	800	MG/KG	102	175	433	4.73	8.84	3.53	5.75		3.9		6.01
MAGNESIUM	MG/KG	T			1380 J	858 J	1180 J	416	353 J	340	391		478		277
MANGANESE	MG/KG	T	23000	MG/KG	430	529	113	30.2	94	92.3 J	50.4 J		164 J		68.5
MERCURY	MG/KG	T	43	MG/KG	0.0992 J	0.0794 J	0.422	ND (0.0143)	ND (0.0124)	ND (0.013)	ND (0.0144)		ND (0.0131)		ND (0.0124)
NICKEL	MG/KG	T	20000	MG/KG	23.2	23.6	10.7	8.31	21.1	17.1	13.2		21.3		18.7
POTASSIUM	MG/KG	T			446 J	337 J	1120 J	199 J	315 J	72.5 J	93 J		221 J		353 J
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.2) UJ	ND (1.16) UJ	ND (1.12) UJ	ND (1.19)	1.15 J	ND (1.17)	ND (1.2)		ND (1.15)		ND (1.07)
SILVER	MG/KG	T	5100	MG/KG	ND (0.209)	ND (0.201)	0.882	ND (0.207)	ND (0.187)	ND (0.203)	ND (0.209)		ND (0.199)		ND (0.186)
SODIUM	MG/KG	T			860 J	1020 J	851 J	271	70.1 B	146	116 J		145		335
THALLIUM	MG/KG	T	10	MG/KG	ND (0.184) R	0.669 J	ND (0.17) R	ND (0.0941)	ND (0.165) R	ND (0.174)	ND (0.184)		ND (0.181)		0.0331 J
TITANIUM	MG/KG	T			1880	2480	5150	376 J	714	683	353		639		520 J
VANADIUM	MG/KG	T			18.3	14.2	30.4	228	78.6	166	140		221		30.7
ZINC	MG/KG	T	310000	MG/KG	260	262	53.7	7.89	74.5	9.97	10.6		22.5		14.9
TOTAL ORGANIC CARBON	MG/KG	T			ND (286)	ND (387)	ND (576)	ND (444)	ND (362)	2430 J	ND (430)		ND (377)		ND (354)
HPCDFS	MG/KG	T				0.0000486			0.000000125	0.00000058	ND (0.000000179)	ND (0.000000145)	0.000013		0.000000319

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Duplicate	S13SB08	S13SB09	S13SB09	S13SB10	S13SB10	S13SB11	S13SB11	S13SB12	S13SB12	S13SB13	S13SB13	
					Date	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08	6/6/08	6/6/08	6/6/08	6/3/08	6/3/08
					Top (ft)	11.5	4	23	6	8.5	7.5	9.5	4.5	17	4	4
Bottom (ft)	13.5	6	25	8	10	9	11.5	5	18.5	6	6					
					FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	
ACETONE	MG/KG	T	630000	MG/KG	0.008 J	0.007 J	ND (0.007)	0.014 J	ND (0.008)	0.008 J	0.008 J	0.009 J	0.008 J	ND (0.008)	ND (0.007)	
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	0.002 J	ND (0.001)	ND (0.001)	0.001 J	ND (0.001)	ND (0.001)	
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
CIS-1,2 DICHLOROETHENE	MG/KG	T	2000	MG/KG	ND (0.001)	ND (0.001)	0.006	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)	ND (0.001)	0.002 J	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.08 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.095 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.043 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.039 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.067 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.08)	ND (0.08)	ND (0.081)	0.078 J	ND (0.086)	ND (0.076)	0.083 J	ND (0.079)	ND (0.077)	ND (0.079)	ND (0.079)	
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.085 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.22	ND (0.04)	0.07 J	ND (0.039)	ND (0.039)	ND (0.039)	
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	ND (0.038)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.039 J	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.1 J	ND (0.04)	0.046 J	ND (0.039)	ND (0.039)	ND (0.039)	
PYRENE	MG/KG	T	17000	MG/KG	ND (0.04)	ND (0.04)	ND (0.041)	ND (0.037)	ND (0.043)	0.18 J	ND (0.04)	0.062 J	ND (0.039)	ND (0.039)	ND (0.039)	
1,2,3,4,6,7,8-HPCDD	MG/KG	T				0.0000979		0.00000714		0.0000308		0.0000477		0.00015	0.000119	
1,2,3,4,6,7,8-HPCDF	MG/KG	T				0.0000134		ND (0.000000657)		0.0000103		0.0000408		ND (0.00000242) UJ	ND (0.00000223) UJ	
1,2,3,4,7,8,9-HPCDF	MG/KG	T				0.0000019 J		ND (0.000000924)		0.0000259		0.0000196		ND (0.000000958)	ND (0.000000548)	
1,2,3,4,7,8-HXCDD	MG/KG	T				0.00000736 J		ND (0.00000014)		0.00000339 J		0.00000462 J		0.00000178 J	0.00000161 J	
1,2,3,4,7,8-HXCDF	MG/KG	T				0.00000174 J		ND (0.0000000715)		0.00000187 J		0.00000456		ND (0.000000816)	ND (0.000000796)	
1,2,3,6,7,8-HXCDD	MG/KG	T				0.00000133 J		ND (0.000000236) UJ		0.0000067 EMPC J		0.00000167 J		0.00000399	0.00000366	
1,2,3,6,7,8-HXCDF	MG/KG	T				0.000000876 J		ND (0.000000671)		0.00000647 J		0.00000106 J		ND (0.000000722)	ND (0.000000696)	
1,2,3,7,8,9-HXCDD	MG/KG	T				0.00000164 J		ND (0.000000236) UJ		0.00000623 J		0.00000123 J		0.00000565	0.00000496	
1,2,3,7,8,9-HXCDF	MG/KG	T				0.000000711 J		ND (0.000000926)		0.00000429 EMPC J		0.00000124 J		ND (0.000000102)	ND (0.000000108)	
1,2,3,7,8-PECDD	MG/KG	T				0.000000327 J		ND (0.000000108)		ND (0.000000234) UJ		0.000000292 J		0.000000797 J	0.00000076 J	
1,2,3,7,8-PECDF	MG/KG	T				0.000000446 J		ND (0.000000859)		0.00000662 J		0.00000206 J		ND (0.000000262)	ND (0.000000795)	
2,3,4,6,7,8-HXCDF	MG/KG	T				0.00000067 EMPC J		ND (0.000000075)		0.000000556 J		0.00000108 J		ND (0.000000077)	ND (0.0000000776)	
2,3,4,7,8-PECDF	MG/KG	T				0.000000447 J		ND (0.0000000748)		0.000000632 J		0.00000102 J		ND (0.000000229)	ND (0.000000683)	
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		0.000000116 EMPC J		ND (0.0000000759)		0.000000515 EMPC		0.000000101 J		0.000000104 J	0.00000013 J	
2,3,7,8-TCDF	MG/KG	T				0.000000233 J		ND (0.000000147)		0.000000869		0.00000153		ND (0.000000892)	ND (0.000000755)	
HPCDDS	MG/KG	T				0.000227		0.0000164		0.0000774		0.00011		0.000278	0.000223	
HXCDDS	MG/KG	T				0.0000399		0.00000228		0.000016 EMPC		0.0000273 EMPC J		0.0000616	0.0000593	
HXCDFS	MG/KG	T				0.00000958 EMPC		ND (0.0000000757)		0.00000895 EMPC		0.0000168 EMPC J		0.000000219 EMPC	0.000000157 EMPC	
OCDD	MG/KG	T				0.0101 J		0.00077		0.00198		0.00121		0.00478	0.00281	
OCDF	MG/KG	T				0.000112		0.000000552 J		0.000293		0.00469		0.00000155 J	0.00000055 J	
TCDDS	MG/KG	T				0.00000198 EMPC		0.000000465		0.00000305 EMPC		0.00000178 EMPC		0.00000172 EMPC	0.0000014 EMPC	
TCDFS	MG/KG	T				0.00000507 EMPC		ND (0.000000147)		0.0000158 EMPC		0.00000919 EMPC		0.000000358 EMPC	0.00000021 EMPC	
TOTAL HPCDD	MG/KG	T														
TOTAL HPCDF	MG/KG	T														
TOTAL HXCDD	MG/KG	T														
TOTAL HXCDF	MG/KG	T														
TOTAL PECDD	MG/KG	T														
TOTAL PECDDS	MG/KG	T				0.00000752 EMPC		0.000000214		0.00000382 EMPC		0.00000466 EMPC		0.0000116 EMPC	0.0000106 EMPC	
TOTAL PECDF	MG/KG	T														
TOTAL PECDFS	MG/KG	T				0.00000544 EMPC		ND (0.000000802)		0.00000744 EMPC		0.00000969 EMPC		ND (0.000000245)	ND (0.0000000737)	
PCB 1	MG/KG	T				ND (0.000000287)		ND (0.00000018)		0.0000272		0.0000063		ND (0.000000338)	ND (0.000000267)	
PCB 10	MG/KG	T				ND (0.0000001)		ND (0.000000133)		0.00000039		0.000000358		ND (0.000000222)	ND (0.000000222)	
PCB 102	MG/KG	T				0.00000115		ND (0.000000109)		0.00000894		0.00000513		ND (0.000000157)	ND (0.000000145)	
PCB 103	MG/KG	T				ND (0.0000000857)		ND (0.000000109)		0.00000247		0.000107		ND (0.000000156)	ND (0.000000144)	
PCB 105	MG/KG	T	0.38	MG/KG		0.0000143		0.000000214 J		0.000122		0.000421		0.00000037 EMPCJ	0.000000176 J	
PCB 109	MG/KG	T				0.00000231		ND (0.0000000848)		0.0000206		0.000314		ND (0.000000123)	ND (0.000000113)	
PCB 11	MG/KG	T				0.00000497 B		0.00000031 B		0.00000877 B		0.00002 B		0.00000826 B	0.00000248 B	
PCB 110	MG/KG	T				0.0000631		0.00000064		0.000465		0.00363		0.00000112 EMPC	0.000000463	
PCB 111	MG/KG	T				ND (0.0000000667)		ND (0.0000000846)		ND (0.000000238)		0.0000108		ND (0.000000122)	ND (0.000000112)	
PCB 114	MG/KG	T	0.38	MG/KG		0.000000794 J		ND (0.0000000862)		0.00000617		0.0000254		ND (0.000000124)	ND (0.000000118)	
PCB 117	MG/KG	T				ND (0.0000000793)		ND (0.000000101)		0.00000756		0.0000699		ND (0.000000145)	ND (0.000000134)	
PCB 118	MG/KG	T	0.38	MG/KG		0.0000347		0.000000368 B		0.000286		0.00268		0.00000074 B	0.00000032 B	
PCB 120	MG/KG	T				ND (0.000000067)		ND (0.000000085)		ND (0.000000024)		0.0000629		ND (0.000000113)	ND (0.000000113)	
PCB 121	MG/KG	T				ND (0.000000068)		ND (0.0000000863)		ND (0.000000243)		0.00000138		ND (0.000000124)	ND (0.000000115)	
PCB 122	MG/KG	T				0.000000391 EMPC		ND (0.0000000952)		0.00000405		0.0000128		ND (0.000000137)	ND (0.00000013)	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S13SB08	S13SB09	S13SB09	S13SB10	S13SB10	S13SB11	S13SB11	S13SB12	S13SB12	S13SB13	S13SB13
				Date	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08	6/6/08	6/6/08	6/6/08	6/3/08	6/3/08
				Top (ft)	11.5	4	23	6	8.5	7.5	9.5	4.5	17	4	4
Bottom (ft)	13.5	6	25	8	10	9	11.5	5	18.5	6	6				
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	
PCB 123	MG/KG	T	0.38	MG/KG		0.00000757 J		ND (0.000000907)		0.0000528		0.0000151		ND (0.0000013)	ND (0.00000121)
PCB 126	MG/KG	T	0.00011	MG/KG		0.00000415 J		ND (0.000000927)		0.0000164		0.0000288		ND (0.00000114)	ND (0.00000143)
PCB 127	MG/KG	T				ND (0.000000686)		ND (0.00000086)		0.00000727 EMPC		0.0000179		ND (0.00000116)	ND (0.00000117)
PCB 130	MG/KG	T				0.00000571		ND (0.000000996)		0.0000435		0.000217		ND (0.00000132)	ND (0.00000135)
PCB 131	MG/KG	T				0.00000111		ND (0.000000986)		0.00000864		0.0000214		ND (0.0000013)	ND (0.00000134)
PCB 132	MG/KG	T				0.0000308		0.00000292		0.000253		0.00128		0.00000571	0.00000188 EMPC
PCB 133	MG/KG	T				0.00000122		ND (0.000000915)		0.0000102		0.000157		ND (0.00000121)	ND (0.00000124)
PCB 134	MG/KG	T				0.00000535		ND (0.00000105)		0.0000424		0.000235		ND (0.00000139)	ND (0.00000142)
PCB 136	MG/KG	T				0.000012		ND (0.000000569)		0.0000902		0.000529		0.00000306 EMPC	ND (0.000000991)
PCB 137	MG/KG	T				0.00000351		ND (0.000000904)		0.000024		0.000072		ND (0.00000119)	ND (0.00000123)
PCB 14	MG/KG	T				ND (0.000000746)		ND (0.00000119)		0.0000109		0.00000684		ND (0.00000172)	ND (0.00000102)
PCB 141	MG/KG	T				0.0000202		0.00000196		0.000146		0.000353		ND (0.00000119)	ND (0.00000122)
PCB 142	MG/KG	T				ND (0.000000664)		ND (0.000000969)		ND (0.00000159)		ND (0.0000022)		ND (0.00000128)	ND (0.00000131)
PCB 143	MG/KG	T				ND (0.000000606)		ND (0.000000885)		ND (0.00000143)		ND (0.00000197)		ND (0.00000117)	ND (0.0000012)
PCB 144	MG/KG	T				0.00000478		ND (0.000000844)		0.0000358		0.0000715		ND (0.00000111)	ND (0.00000114)
PCB 145	MG/KG	T				ND (0.000000491)		ND (0.000000572)		ND (0.000000995)		0.0000202		ND (0.00000101)	ND (0.000000996)
PCB 146	MG/KG	T				0.0000133		0.00000164		0.0000982		0.00112		0.00000245 EMPC	ND (0.00000114)
PCB 148	MG/KG	T				ND (0.00000059)		ND (0.000000861)		0.00000466 EMPC		0.0000346		ND (0.00000114)	ND (0.00000117)
PCB 15	MG/KG	T				0.0000205		0.00000198		0.0000257		0.0000261		0.00000359	0.00000229
PCB 150	MG/KG	T				ND (0.00000047)		ND (0.000000548)		0.00000573		0.00000533		ND (0.000000954)	ND (0.000000954)
PCB 152	MG/KG	T				ND (0.000000465)		ND (0.000000542)		0.00000429		0.00000285		ND (0.000000959)	ND (0.000000943)
PCB 154	MG/KG	T				0.00000541 EMPC		ND (0.000000761)		0.00000582		0.000183		ND (0.00000101)	ND (0.00000103)
PCB 155	MG/KG	T				ND (0.000000455)		ND (0.00000053)		ND (0.000000907)		ND (0.00000174)		ND (0.000000939)	ND (0.000000923)
PCB 158	MG/KG	T				0.0000102		0.000001 EMPC		0.00000689		0.00019		ND (0.000000848)	ND (0.00000087)
PCB 159	MG/KG	T				0.00000134		ND (0.000000992)		0.00000975		0.0000248		ND (0.0000011)	ND (0.00000117)
PCB 16	MG/KG	T				0.0000015 B		0.000000305 B		0.000019		0.0000241		0.00000054 B	ND (0.000000327)
PCB 162	MG/KG	T				0.00000321 EMPC		ND (0.00000097)		0.00000223		0.00000594		ND (0.00000108)	ND (0.00000115)
PCB 164	MG/KG	T				0.00000765		ND (0.000000665)		0.0000553		0.000247		ND (0.000000878)	ND (0.000000901)
PCB 165	MG/KG	T				ND (0.000000501)		ND (0.000000732)		ND (0.00000121)		0.00000196		ND (0.000000967)	ND (0.000000992)
PCB 167	MG/KG	T	0.38	MG/KG		0.00000383		ND (0.00000102)		0.000026		0.0000757		ND (0.00000113)	ND (0.0000012)
PCB 169	MG/KG	T	0.00038	MG/KG		0.00000433 J		ND (0.000000967)		ND (0.000000851)		ND (0.00000043)		ND (0.00000118)	ND (0.00000127)
PCB 17	MG/KG	T				0.00000146 B		0.000000309 B		0.0000172		0.000031		0.000000468 B	ND (0.000000269)
PCB 170	MG/KG	T				0.0000374		ND (0.00000136)		0.000268		0.000592		0.00000067	ND (0.00000187)
PCB 172	MG/KG	T				0.00000692		ND (0.0000014)		0.0000481		0.000119		ND (0.00000199)	ND (0.00000188)
PCB 174	MG/KG	T				0.000039		ND (0.0000013)		0.00026		0.000829		0.000000175	ND (0.00000175)
PCB 175	MG/KG	T				0.00000175		ND (0.00000128)		0.0000105		0.0000263		ND (0.00000182)	ND (0.00000172)
PCB 176	MG/KG	T				0.00000492		ND (0.000000924)		0.0000322		0.00013		ND (0.00000118)	ND (0.00000106)
PCB 177	MG/KG	T				0.0000219		ND (0.00000136)		0.000158		0.000625		0.000000508	ND (0.00000182)
PCB 178	MG/KG	T				0.0000095		ND (0.00000131)		0.0000589		0.000314		ND (0.00000167)	ND (0.00000149)
PCB 179	MG/KG	T				0.0000174		ND (0.000000964)		0.000113		0.000453		ND (0.00000123)	ND (0.0000011)
PCB 181	MG/KG	T				0.00000282 EMPC		ND (0.00000128)		0.00000131		0.00000529		ND (0.00000182)	ND (0.00000172)
PCB 182	MG/KG	T				ND (0.00000126)		ND (0.00000121)		ND (0.00000121)		0.0000345		ND (0.00000172)	ND (0.00000162)
PCB 183	MG/KG	T				0.0000213		ND (0.00000116)		0.000154		0.000402		0.000000464 EMPC	ND (0.00000155)
PCB 184	MG/KG	T				ND (0.000000564)		ND (0.0000001)		ND (0.0000001)		0.00000096 EMPC		ND (0.00000128)	ND (0.00000115)
PCB 185	MG/KG	T				0.00000443 EMPC		ND (0.00000139)		0.0000292		0.0000611		ND (0.00000198)	ND (0.00000187)
PCB 186	MG/KG	T				ND (0.000000545)		ND (0.000000972)		ND (0.000000978)		ND (0.00000162)		ND (0.00000124)	ND (0.00000111)
PCB 187	MG/KG	T				0.0000566		ND (0.00000124)		0.000342		0.0013		0.00000106	0.00000273
PCB 188	MG/KG	T				0.000000131		ND (0.000000865)		0.00000301		0.00000158 EMPC		ND (0.00000111)	ND (0.000000988)
PCB 189	MG/KG	T	0.38	MG/KG		0.00000167		ND (0.000000822)		0.00000963		0.0000221		ND (0.00000123)	ND (0.00000122)
PCB 19	MG/KG	T				0.000000425		ND (0.00000126)		0.00000355		0.00000377		ND (0.00000251)	ND (0.00000257)
PCB 190	MG/KG	T				0.00000737		ND (0.000000979)		0.0000488		0.000117		ND (0.00000142)	ND (0.00000135)
PCB 191	MG/KG	T				0.00000166		ND (0.00000101)		0.0000107		0.0000239		ND (0.00000144)	ND (0.00000136)
PCB 194	MG/KG	T				0.0000314		ND (0.00000131)		0.000199		0.000444		0.000000479 EMPC	ND (0.00000208)
PCB 195	MG/KG	T				0.00000975		ND (0.0000014)		0.0000692		0.000152		ND (0.00000188)	ND (0.00000223)
PCB 196	MG/KG	T				0.000018		ND (0.00000121)		0.0000973		0.000226		0.00000197 EMPC	ND (0.00000189)
PCB 197	MG/KG	T				0.00000208		ND (0.000000896)		0.00000711		0.0000183		ND (0.00000132)	ND (0.00000139)
PCB 2	MG/KG	T				0.0000011 EMPC		ND (0.000000826)		0.00000711		0.00000402		ND (0.00000183)	ND (0.00000173)
PCB 200	MG/KG	T				0.00000397		ND (0.000000877)		0.0000241		0.0000583		ND (0.00000129)	ND (0.00000136)
PCB 201	MG/KG	T				0.00000526		ND (0.000000872)		0.0000254		0.0000697		ND (0.00000128)	ND (0.00000135)
PCB 202	MG/KG	T				0.00000895		ND (0.000000872)		0.0000449		0.000328		ND (0.00000128)	ND (0.00000136)
PCB 203	MG/KG	T				0.0000291		ND (0.00000111)		0.000139		0.000317		0.000000352	ND (0.00000172)
PCB 204	MG/KG	T				ND (0.000000518)		ND (0.000000902)		ND (0.000000209)		ND (0.000000322)		ND (0.00000132)	ND (0.0000014)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S13SB08	S13SB09	S13SB09	S13SB10	S13SB10	S13SB11	S13SB11	S13SB12	S13SB12	S13SB13	S13SB13
				Date	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08	6/6/08	6/6/08	6/6/08	6/3/08	6/3/08
				Top (ft)	11.5	4	23	6	8.5	7.5	9.5	4.5	17	4	4
				Bottom (ft)	13.5	6	25	8	10	9	11.5	5	18.5	6	6
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	
PCB 205	MG/KG	T				0.00000161		ND (0.000000105)		0.00000812		0.0000178		ND (0.00000014)	ND (0.000000167)
PCB 206	MG/KG	T				0.0000594		ND (0.000000285)		0.000187		0.000707		ND (0.000000296)	0.000000851
PCB 207	MG/KG	T				0.0000128		ND (0.000000188)		0.0000192		0.0000492		ND (0.000000188)	ND (0.000000237)
PCB 208	MG/KG	T				0.0000201		ND (0.000000201)		0.0000496		0.0000575		ND (0.000000201)	ND (0.000000254)
PCB 209	MG/KG	T				0.000351		0.00000123		0.00113		0.0206 J		0.0000141	0.00000262
PCB 22	MG/KG	T				0.00000181 B		0.000000201 B		0.0000236		0.0000252		0.000000325 B	0.000000186 B
PCB 23	MG/KG	T				ND (0.000000112)		ND (0.000000116)		ND (0.000000322)		ND (0.000000469)		ND (0.000000156)	ND (0.000000148)
PCB 24	MG/KG	T				0.000000779 EMPC		ND (0.000000102)		0.000000818		0.000001		ND (0.000000202)	ND (0.000000207)
PCB 25	MG/KG	T				0.000000324		ND (0.000000106)		0.00000446		0.00000651		ND (0.000000135)	ND (0.000000135)
PCB 27	MG/KG	T				0.000000284		ND (0.000000097)		0.0000029		0.00000384		ND (0.000000193)	ND (0.000000198)
PCB 3	MG/KG	T				0.00000208		ND (0.0000000764)		0.0000178		0.0000203		ND (0.000000169)	ND (0.000000159)
PCB 31	MG/KG	T				0.00000444		0.00000046 B		0.0000549		0.0000892		0.000000647 B	0.000000456 B
PCB 32	MG/KG	T				0.00000127 B		0.000000185 B		0.0000128		0.0000182		0.000000369 B	ND (0.000000188)
PCB 34	MG/KG	T				ND (0.000000109)		ND (0.000000113)		0.000000317 EMPC		0.00000158		ND (0.000000152)	ND (0.000000144)
PCB 35	MG/KG	T				0.000000384		ND (0.000000119)		0.00000358		0.00000543		ND (0.000000159)	ND (0.000000151)
PCB 36	MG/KG	T				ND (0.000000107)		ND (0.000000111)		0.000000464 EMPC		ND (0.000000448)		ND (0.000000149)	ND (0.000000141)
PCB 37	MG/KG	T				0.00000281		ND (0.000000113)		0.00000373		0.00000297		ND (0.000000152)	ND (0.000000144)
PCB 38	MG/KG	T				ND (0.000000115)		ND (0.000000119)		0.000000749		ND (0.000000485)		ND (0.00000016)	ND (0.000000152)
PCB 39	MG/KG	T				0.000000182		ND (0.000000109)		0.000000882		0.00000152 EMPC		ND (0.000000146)	ND (0.000000139)
PCB 4	MG/KG	T				0.000000769		0.00000026		0.00000771		0.00000512		0.000000452	0.000000391
PCB 41	MG/KG	T				0.000000745		ND (0.000000118)		0.00000698		0.00000451		ND (0.00000015)	ND (0.000000163)
PCB 42	MG/KG	T				0.0000002		ND (0.000000101)		0.00000208		0.0000282		ND (0.000000128)	ND (0.00000014)
PCB 43	MG/KG	T				0.000000288		ND (0.000000113)		0.00000246		0.0000122		ND (0.000000143)	ND (0.000000156)
PCB 45	MG/KG	T				0.00000143		ND (0.000000113)		0.0000124		0.0000185		ND (0.000000143)	ND (0.000000156)
PCB 46	MG/KG	T				0.000000637		ND (0.00000011)		0.00000475		0.00000866		ND (0.00000014)	ND (0.000000152)
PCB 48	MG/KG	T				0.00000131		ND (0.0000000939)		0.0000128		0.00000324		ND (0.000000119)	ND (0.00000013)
PCB 5	MG/KG	T				0.000000307		ND (0.000000146)		0.00000158 B		0.000000956 B		0.000000346	0.000000315
PCB 51	MG/KG	T				0.00000025		ND (0.0000000827)		0.0000016		0.00000452		ND (0.000000105)	ND (0.000000114)
PCB 52	MG/KG	T				0.0000181		0.000000544 B		0.000181		0.0018		0.000000767 B	0.000000045 B
PCB 54	MG/KG	T				ND (0.0000000485)		ND (0.0000000637)		0.000000186		0.000000254 EMPC		ND (0.000000105)	ND (0.00000011)
PCB 55	MG/KG	T				ND (0.000000102)		ND (0.00000011)		0.0000017		ND (0.000000661)		ND (0.000000141)	ND (0.00000015)
PCB 56	MG/KG	T				0.00000425		ND (0.000000107)		0.0000491		ND (0.000000621)		0.000000232	ND (0.000000146)
PCB 57	MG/KG	T				ND (0.0000000984)		ND (0.000000106)		0.000000405		ND (0.000000632)		ND (0.000000137)	ND (0.000000145)
PCB 58	MG/KG	T				ND (0.0000000972)		ND (0.000000105)		0.000000402		0.0000154		ND (0.000000135)	ND (0.000000144)
PCB 6	MG/KG	T				0.000000451		ND (0.00000014)		0.00000548		0.00000345		ND (0.000000201)	ND (0.00000012)
PCB 60	MG/KG	T				0.00000228		ND (0.000000109)		0.0000249		ND (0.000000632)		ND (0.000000141)	ND (0.00000015)
PCB 63	MG/KG	T				0.000000275		ND (0.0000000969)		0.00000337		0.00000421		ND (0.000000125)	ND (0.000000132)
PCB 64	MG/KG	T				0.00000439		ND (0.0000000676)		0.000037		0.0000212		0.000000229 B	0.000000168 B
PCB 66	MG/KG	T				0.00000884		ND (0.000000102)		0.000106		0.00113		0.000000392	ND (0.000000139)
PCB 67	MG/KG	T				0.000000188		ND (0.0000000999)		0.00000241		0.00000478		ND (0.000000128)	ND (0.000000137)
PCB 68	MG/KG	T				ND (0.0000000885)		ND (0.0000000956)		0.000000681		0.0000056		ND (0.000000123)	ND (0.000000131)
PCB 7	MG/KG	T				0.000000116		ND (0.000000137)		0.00000141		0.000000815		ND (0.000000198)	ND (0.000000118)
PCB 72	MG/KG	T				ND (0.0000000942)		ND (0.000000102)		0.00000113		0.00000742		ND (0.000000131)	ND (0.000000139)
PCB 77	MG/KG	T	0.11	MG/KG		0.00000176		ND (0.0000000998)		0.0000191		0.0000257		ND (0.000000139)	ND (0.000000144)
PCB 79	MG/KG	T				0.000000312		ND (0.0000000931)		0.00000248		0.0000197		ND (0.00000012)	ND (0.000000127)
PCB 8	MG/KG	T				0.00000187 B		0.000000562 B		0.0000251		0.0000239		0.000000949 B	0.000000585 B
PCB 80	MG/KG	T				ND (0.0000000861)		ND (0.000000093)		0.00000135		0.0000194		ND (0.00000012)	ND (0.000000127)
PCB 81	MG/KG	T	0.038	MG/KG		ND (0.000000095)		ND (0.000000103)		0.000000815 J		ND (0.000000602)		ND (0.000000132)	ND (0.00000014)
PCB 82	MG/KG	T				0.00000531		ND (0.00000014)		0.0000427		0.000154		ND (0.000000202)	ND (0.000000186)
PCB 83	MG/KG	T				0.00000284		ND (0.000000144)		0.0000237		0.000214		ND (0.000000208)	ND (0.000000192)
PCB 84	MG/KG	T				0.0000121		ND (0.000000133)		0.000103		0.0000827		ND (0.000000191)	ND (0.000000177)
PCB 89	MG/KG	T				0.000000438		ND (0.000000126)		0.00000369		0.0000183		ND (0.000000181)	ND (0.000000167)
PCB 9	MG/KG	T				0.000000528		0.000000482		0.00000396 B		0.00000431 B		0.000000625	0.000000555
PCB 91	MG/KG	T				0.00000505		ND (0.000000103)		0.0000386		0.000287		ND (0.000000148)	ND (0.000000137)
PCB 92	MG/KG	T				0.00000749		ND (0.000000116)		ND (0.000000329)		0.0000939		ND (0.000000167)	ND (0.000000154)
PCB 94	MG/KG	T				ND (0.0000000993)		ND (0.000000126)		0.00000148		0.0000122		ND (0.000000181)	ND (0.000000167)
PCB 95	MG/KG	T				0.0000407		0.000000569 B		0.000339		0.00248		0.000000807 B	0.000000396 B
PCB 96	MG/KG	T				0.000000352		ND (0.0000000764)		0.00000226		0.0000154		ND (0.000000119)	ND (0.000000115)
PCB 98	MG/KG	T				ND (0.0000000979)		ND (0.000000124)		ND (0.000000319)		0.0000313		ND (0.000000179)	ND (0.000000165)
PCB 99	MG/KG	T				0.0000147		ND (0.0000000991)		0.000124		0.00249		0.000000334 EMPC	ND (0.000000132)
PCB-100/93	MG/KG	T				0.000000133		ND (0.000000112)		0.00000223		0.0000388		ND (0.000000162)	ND (0.000000149)
PCB-107/124	MG/KG	T				0.00000168		ND (0.0000000876)		0.0000121		0.0000417		ND (0.000000126)	ND (0.000000116)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		S13SB08	S13SB09	S13SB09	S13SB10	S13SB10	S13SB11	S13SB11	S13SB12	S13SB12	S13SB13	S13SB13
				Date	6/5/08	6/5/08	6/5/08	5/30/08	5/30/08	6/6/08	6/6/08	6/6/08	6/6/08	6/3/08	6/3/08	
				Top (ft)	11.5	4	23	6	8.5	7.5	9.5	4.5	17	4	4	
				Bottom (ft)	13.5	6	25	8	10	9	11.5	5	18.5	6	6	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	
PCB-108/119/86/97/125/87	MG/KG	T				0.0000259		ND (0.000000998)		0.000226		0.00158		0.00000604	ND (0.00000133)	
PCB-113/90/101	MG/KG	T				0.0000416		0.00000602 B		0.000364		0.00368		0.0000088 B	0.00000483 B	
PCB-116/85	MG/KG	T				0.0000695		ND (0.000000976)		0.000502		0.000221		ND (0.0000014)	ND (0.0000013)	
PCB-128/166	MG/KG	T				0.0000143		ND (0.00000109)		0.000104		0.000308		ND (0.00000121)	ND (0.00000129)	
PCB-13/12	MG/KG	T				0.00000741		ND (0.00000142)		0.0000807		0.0000595		ND (0.00000205)	ND (0.00000122)	
PCB-139/140	MG/KG	T				0.0000124		ND (0.000000862)		0.0000913		0.0000961		ND (0.00000114)	ND (0.00000117)	
PCB-147/149	MG/KG	T				0.0000766		0.000000713		0.000588		0.00276		0.00000152	0.000000466	
PCB-151/135	MG/KG	T				0.000033		ND (0.000000878)		0.000253		0.00135		0.000000707	ND (0.00000119)	
PCB-153/168	MG/KG	T				0.0000762		0.00000671		0.000544		0.00307		0.00000139	0.000000457	
PCB-156/157	MG/KG	T				0.0000095		ND (0.00000136)		0.000648		0.000221		ND (0.0000015)	ND (0.00000168)	
PCB-163/138/129	MG/KG	T				0.000105		0.000000819		0.000742		0.00276		0.00000188	0.000000591	
PCB-171/173	MG/KG	T				0.0000116		ND (0.00000141)		0.0000802		0.000199		ND (0.0000002)	ND (0.00000189)	
PCB-180/193	MG/KG	T				0.0000922		0.000000438		0.000616		0.00145		0.00000167	0.000000423	
PCB-198/199	MG/KG	T				0.0000463		ND (0.00000122)		0.000257		0.000793		0.000000617	ND (0.00000189)	
PCB-21/33	MG/KG	T				0.00000284 B		0.000000377 B		0.0000362		0.0000363		0.000000508 B	0.000000319 B	
PCB-26/29	MG/KG	T				0.000000732		0.000000965 EMPC		0.0000956		0.0000107		ND (0.00000151)	ND (0.00000143)	
PCB-28/20	MG/KG	T				0.00000514 B		0.000000516 B		0.0000618		0.000115		0.000000785 B	0.000000561 B	
PCB-30/18	MG/KG	T				0.00000318 B		0.000000561 B		0.0000373		0.0000568		0.00000109 B	0.000000626 B	
PCB-44/47/65	MG/KG	T				0.0000103		0.000000834 B		0.000101		0.00127		0.000000913 B	0.000000709 B	
PCB-50/53	MG/KG	T				0.00000142		0.000000088		0.0000109		0.0000326		ND (0.00000114)	ND (0.00000124)	
PCB-59/62/75	MG/KG	T				0.000000613		ND (0.000000694)		0.0000678		0.0000618		ND (0.000000881)	ND (0.00000096)	
PCB-61/70/74/76	MG/KG	T				0.0000206		ND (0.00000102)		0.000219		0.00171		0.000000741	ND (0.00000014)	
PCB-69/49	MG/KG	T				0.00000528		0.000000255 B		0.0000567		0.00129		0.000000411 B	0.000000188 B	
PCB-71/40	MG/KG	T				0.00000364		ND (0.000000872)		0.0000355		0.000133		0.000000202 EMPC	ND (0.00000121)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000118 B		0.0000046 B		0.0000893		0.0000917		0.000011 B	0.00000456 B	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000336 EMPC		0.000000438		0.00224		0.0067 EMPC		0.00000519 EMPC	0.000000696	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000438 EMPC		0.00000295 EMPC		0.00323 EMPC		0.0154		0.00000662 EMPC	0.0000017 EMPC	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00000318 EMPC		ND (0.00000128)		0.0000521		0.0000306		ND (0.00000254)	ND (0.00000213)	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000924		ND (0.000000243)		0.000256		0.00133		ND (0.000000249)	0.000000851	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000156		ND (0.000000096)		0.000871		0.00242		0.00000164 EMPC	ND (0.000000151)	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000283 EMPC		0.000000239 B		0.00226 EMPC		0.0204		0.000000485 B	0.00000184 B	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000089 EMPC		0.00000172 B		0.000925		0.00827 EMPC		0.00000389 B	0.00000152 B	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000269 EMPC		0.00000301 B		0.000327 EMPC		0.00046 EMPC		0.00000474 B	0.00000215 B	
ALUMINUM	MG/KG	T	990000	MG/KG	2500	11100	5410	15700	17700	13700	13800	9170	10400		18200	
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.17) UJ	4.81 J	ND (1.21) UJ	ND (1.12) UJ	ND (1.25) UJ	3.66 J	ND (1.17) UJ	12.2 J	ND (1.15) UJ		ND (1.18) UJ	
ARSENIC	MG/KG	T	11	MG/KG	^2.68	^2.58	^4.36	^2.88 J	^3.93 J	^3.99	^5.23	^3.16	^3.28		^4.49 J	
BARIUM	MG/KG	T	190000	MG/KG	17.2	39.5	40.1	31.7	37.8	40.7	43.8	85.9	27.6		38.6	
BERYLLIUM	MG/KG	T	2000	MG/KG	0.646	0.537 J	1.36	0.38 J	0.737	0.413 J	0.624	0.215 J	0.365 J		0.441 J	
CADMIUM	MG/KG	T	800	MG/KG	ND (0.163)	ND (0.168)	ND (0.169)	0.273 J	ND (0.174)	ND (0.159)	ND (0.163)	ND (0.159)	ND (0.161)		ND (0.166)	
CALCIUM	MG/KG	T				163	569	597	109	161	820	856	1530	111	165	
CHROMIUM	MG/KG	T				17.6	33.1	33	20.7	37.2	43.1	32.2	94.2	21.5	36.7 J	
COBALT	MG/KG	T	300	MG/KG	13.9	0.996	29.1	2.34	2.24	ND (1.08)	ND (0.221)	ND (4.3)	0.615		3.63	
COPPER	MG/KG	T	41000	MG/KG	36.1 J	18.9 J	24.8 J	42.2	43.1	81.3 J	32.1 J	35 J	87.9 J		78	
IRON	MG/KG	T	720000	MG/KG	4600	21700	2350	18200	32600	14300	30500	10900	24000		12500	
LEAD	MG/KG	T	800	MG/KG	4.27	15.1	12.3	3.42	3.47	27.1	20.5	157	5.21		9.71	
MAGNESIUM	MG/KG	T				107	916	276	135	127	693	979	112		1660	
MANGANESE	MG/KG	T	23000	MG/KG	19.9	80.3	21.9	25.6	23.9	72.4	76.5	77.2	44.1		58.3	
MERCURY	MG/KG	T	43	MG/KG	0.016 J	ND (0.0136)	ND (0.0137)	ND (0.0125)	ND (0.0146)	ND (0.013)	ND (0.0131)	0.0891 J	ND (0.0131)		ND (0.0133)	
NICKEL	MG/KG	T	20000	MG/KG	14.5	10.1	38.9	12.3	12.2	10.1	8.98	6.93	8.04		10.4	
POTASSIUM	MG/KG	T				691 J	685 J	1300 J	243 J	231 J	579 J	968 J	899 J	154 J	1080 J	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.14)	ND (1.18)	ND (1.18)	ND (1.09)	ND (1.22)	ND (1.11)	ND (1.14)	ND (1.11)	ND (1.13)		1.85 J	
SILVER	MG/KG	T	5100	MG/KG	ND (0.198)	ND (0.204)	ND (0.205)	ND (0.19)	ND (0.212)	ND (0.193)	ND (0.198)	0.227 J	ND (0.195)		ND (0.201)	
SODIUM	MG/KG	T				ND (43.5)	452	107 J	165	145	123	149	ND (42.2)	108 J	138	
THALLIUM	MG/KG	T	10	MG/KG	0.0592	0.058	0.16 J	ND (0.161)	ND (0.194)	0.0562	0.09	0.0691	0.02 J		ND (0.178)	
TITANIUM	MG/KG	T				486 J	640 J	425 J	280	136	973 J	878 J	2770 J	403 J	662	
VANADIUM	MG/KG	T				24.9	68.1	148	37.6	28.5	26.2	47.1	22	19.4	44.6	
ZINC	MG/KG	T	310000	MG/KG	48.5	21.1	126	13.8	12.7	21.8	27.6	29.2	13.8		27.4	
TOTAL ORGANIC CARBON	MG/KG	T				ND (441)	ND (386)	6120	ND (288)	ND (266)	ND (296)	464 J	ND (343)	ND (407)	ND (370)	
HPCDFS	MG/KG	T				0.0000207		ND (0.000000779)		0.0000211		0.000103		0.000000501 EMPC	0.000000373 EMPC	

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Duplicate	S13SB13	S13SB14	S13SB14	S13SB15	S13SB16	S13SB16	S13SB16	S13SB17	S13SB17	S13SB17		
					Date	6/3/08	6/4/08	6/4/08	5/29/08	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10
					Top (ft)	8	4.5	25.5	3	0	4	6	0	4	14	
Bottom (ft)	10	6.5	27.5	5	2	6	8	2	6	16						
				FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS		
ACETONE	MG/KG	T	630000	MG/KG	ND (0.008)	ND (0.008)	ND (0.008)	0.025	ND (0.007)	ND (0.008)	ND (0.007)	ND (0.006)	ND (0.007)	ND (0.008)		
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)		
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	0.018	0.017	ND (0.0009)	0.009	ND (0.001)		
CIS-1,2-DICHLOROETHENE	MG/KG	T	2000	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)		
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)	ND (0.001)	ND (0.001)		
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.078)	ND (0.081)	ND (0.077)	ND (0.078)	ND (0.077)	ND (0.086)	ND (0.08)	ND (0.076)	ND (0.077)	ND (0.088)		
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	0.04 J	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	0.34	ND (0.038)	ND (0.043)	ND (0.04)	0.078 J	ND (0.039)	ND (0.044)		
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
PYRENE	MG/KG	T	17000	MG/KG	ND (0.039)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.043)	ND (0.04)	ND (0.038)	ND (0.039)	ND (0.044)		
1,2,3,4,6,7,8-HPCDD	MG/KG	T				0.00000727		0.000102	0.0000323	0.0000691	0.000203	0.0000752	0.0000837	0.0000753		
1,2,3,4,6,7,8-HPCDF	MG/KG	T				0.000000997 J		0.0000277	0.00000106 J	0.00000243 B	0.00000286 B	0.0000104	0.00000229 B	0.00000176 B		
1,2,3,4,7,8,9-HPCDF	MG/KG	T				0.000000659 J		0.000011	ND (0.000000634)	ND (0.000000755)	0.00000246	ND (0.000000755)	ND (0.000000894)			
1,2,3,4,7,8-HXCDD	MG/KG	T				ND (0.000000142)		0.000000605 J	0.000000713 J	0.00000127 J	0.00000151 J	0.000000668 J	0.00000102 J	0.000000371 J		
1,2,3,4,7,8-HXCDF	MG/KG	T				0.000000358 J		0.00000418	0.000000188 J	0.000000597 J	ND (0.000000145)	0.0000012 J	ND (0.000000488)	ND (0.000000067)		
1,2,3,6,7,8-HXCDD	MG/KG	T				ND (0.000000152)		0.00000123 J	0.00000013 J	0.00000255	0.00000308	0.00000119 J	0.0000017 J	0.00000238 J		
1,2,3,6,7,8-HXCDF	MG/KG	T				ND (0.000000233) UJ		0.00000154 J	0.000000132 J	ND (0.000000049)	ND (0.000000134)	0.00000477 J	ND (0.000000484)	ND (0.0000000638)		
1,2,3,7,8,9-HXCDD	MG/KG	T				ND (0.000000152)		0.00000122 J	0.00000196 J	0.00000406	0.00000107	0.00000193 J	0.00000302	0.00000339		
1,2,3,7,8,9-HXCDF	MG/KG	T				0.000000411 J		0.0000012 J	ND (0.0000000975)	ND (0.000000635)	ND (0.000000176)	ND (0.000000893)	ND (0.000000606)	0.000000129 J		
1,2,3,7,8-PCDD	MG/KG	T				ND (0.000000154)		0.000000355 J	0.000000577 J	0.000000719 J	0.000000735 J	0.00000003 J	0.000000495 J	0.000000192 J		
1,2,3,7,8-PCDF	MG/KG	T				ND (0.000000233) UJ		0.00000195 J	0.0000000642 J	0.0000000634 J	ND (0.000000113)	0.000000407 J	0.0000000636 J	ND (0.0000000548)		
2,3,4,6,7,8-HXCDF	MG/KG	T				ND (0.000000233) UJ		0.00000124 J	ND (0.0000000754)	ND (0.0000000502)	ND (0.000000148)	0.000000353 J	ND (0.0000000545)	ND (0.0000000701)		
2,3,4,7,8-PCDF	MG/KG	T				ND (0.000000146)		0.00000127 J	0.0000000794 EMPC J	ND (0.0000000364)	ND (0.000000112)	0.000000288 J	ND (0.0000000456)	ND (0.0000000552)		
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG		ND (0.000000669)		0.000000235 J	ND (0.0000000634)	ND (0.0000000634)	ND (0.000000175)	0.000000134 J	ND (0.0000000797)	ND (0.0000000972)		
2,3,7,8-TCDF	MG/KG	T				0.0000000764 J		0.00000141	ND (0.0000000756)	ND (0.000000464)	ND (0.000000109)	0.000000297 J	ND (0.0000000529)	ND (0.0000000557)		
HPCDDS	MG/KG	T				0.0000156		0.000221								
HXCDDS	MG/KG	T				0.00000131		0.0000232								
HXCDFS	MG/KG	T				0.00000249 EMPC		0.0000167 EMPC								
OCDD	MG/KG	T				0.000679		0.00992 J	0.00257	0.00178	0.00549	0.01 J	0.00406	0.00237		
OCDF	MG/KG	T				0.000034		0.00195	0.00000468 B	0.000000967 B	0.00000054 B	0.000606	0.0000013 B	0.000000753 B		
TCDDS	MG/KG	T				0.0000000948 B		0.00000291 EMPC	0.00000151 EMPC	0.00000229 EMPC	0.00000455 EMPC	0.00000104	0.000000397	0.0000257		
TCDFS	MG/KG	T				0.000000129		0.00000121 EMPC	0.000000359 EMPC	0.000000609 EMPC	0.00000109 EMPC	0.00000285	0.000000353	0.000000239		
TOTAL HPCDD	MG/KG	T							0.0000664 EMPC	0.000251 EMPC	0.000589 EMPC	0.000165	0.000204	0.000289		
TOTAL HPCDF	MG/KG	T							0.00000173 B	0.00000084 B	0.000000907 B	0.0000188	0.000000706 B	0.000000571 B		
TOTAL HXCDD	MG/KG	T							0.0000333 EMPC	0.000114 EMPC	0.00023 EMPC	0.0000293	0.0000439	0.000164		
TOTAL HXCDF	MG/KG	T							0.00000087 EMPC	0.000000268 EMPC	ND (0.00000015)	0.00000467	0.00000035	0.000000129		
TOTAL PCDD	MG/KG	T							0.00000883 EMPC	0.0000121 EMPC	0.0000315 EMPC	0.00000536	0.00000481	0.00000515		
TOTAL PCDDS	MG/KG	T				ND (0.000000154)		0.00000649 EMPC								
TOTAL PCDF	MG/KG	T							0.000000492 EMPC	0.000000089 EMPC	ND (0.000000113)	0.00000236	6.36E-08	ND (0.000000055)		
TOTAL PCDFS	MG/KG	T				0.00000127 EMPC		0.0000111 EMPC								
PCB 1	MG/KG	T				0.000000253		0.0000115	ND (0.000000522)	ND (0.00000204)	ND (0.000000639)	ND (0.000000422)	ND (0.00000193)	ND (0.00000844)		
PCB 10	MG/KG	T				ND (0.0000000844)		ND (0.00000133)	ND (0.000000589)	ND (0.000000523)	ND (0.00000126)	ND (0.000000717)	ND (0.000000675)			
PCB 102	MG/KG	T				ND (0.000000117)		0.0000205	ND (0.000000294)	ND (0.000000135)	ND (0.000000298)	0.0000144	ND (0.000000215)	ND (0.000000272)		
PCB 103	MG/KG	T				ND (0.000000124)		0.00000368	ND (0.000000231)	ND (0.000000127)	ND (0.000000234)	0.00000223	ND (0.000000169)	ND (0.000000213)		
PCB 105	MG/KG	T	0.38	MG/KG		0.00000013		0.0000361	ND (0.000000204)	ND (0.000000146)	ND (0.000000208)	0.000264	ND (0.000000173)	ND (0.000000195)		
PCB 109	MG/KG	T				0.0000000224		0.0000521	ND (0.000000177)	ND (0.000000115)	ND (0.00000018)	0.0000267	ND (0.000000164)	ND (0.000000192)		
PCB 11	MG/KG	T				0.0000574		0.000011 B	0.00000384 B	0.00000516 B	0.00000422 B	0.00000522 B	0.00000351 B	0.00000514 B		
PCB 110	MG/KG	T				0.000000508		0.00125	0.000000851 J	ND (0.000000118)	0.000000678 J	0.000774	0.000000488 J	0.000000374 J		
PCB 111	MG/KG	T				ND (0.0000000979)		ND (0.000000031)	ND (0.000000225)	ND (0.00000013)	ND (0.000000228)	ND (0.000000497)	ND (0.000000164)	ND (0.000000208)		
PCB 114	MG/KG	T	0.38	MG/KG		ND (0.0000000959)		0.0000189	ND (0.000000149)	ND (0.000000149)	ND (0.000000206)	0.0000117	ND (0.000000164)	ND (0.000000192)		
PCB 117	MG/KG	T				0.0000000857 EMPC		0.0000203	ND (0.000000225)	ND (0.000000117)	ND (0.000000228)	0.0000158	ND (0.000000165)	ND (0.000000208)		
PCB 118	MG/KG	T	0.38	MG/KG		0.00000029 B		0.000852	0.000000458 J	ND (0.000000153)	0.000000405 J	0.000601	0.000000476 J	ND (0.000000213)		
PCB 120	MG/KG	T				ND (0.0000000979)		0.000000727	ND (0.000000119)	ND (0.000000115)	ND (0.000000193)	ND (0.000000421)	ND (0.000000139)	ND (0.000000176)		
PCB 121	MG/KG	T				ND (0.0000000996)		ND (0.0000000315)	ND (0.000000228)	ND (0.000000127)	ND (0.000000231)	ND (0.000000505)	ND (0.000000167)	ND (0.000000211)		
PCB 122	MG/KG	T				ND (0.000000107)		0.0000107	ND (0.000000226)	ND (0.000000151)	ND (0.000000214)	0.00000516 EMPC	ND (0.00000017)	ND (0.00000002)		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S13SB13	S13SB14	S13SB14	S13SB15	S13SB16	S13SB16	S13SB16	S13SB17	S13SB17	S13SB17	
				Date	6/3/08	6/4/08	6/4/08	5/29/08	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10
				Top (ft)	8	4.5	25.5	3	4	6	6	6	4	14	
				Bottom (ft)	10	6.5	27.5	5	2	6	8	2	6	16	
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS		
PCB 123	MG/KG	T	0.38	MG/KG		ND (0.0000001)		0.0000149	ND (0.000000234)	ND (0.000000153)	ND (0.000000237)	0.00000908	ND (0.000000171)	ND (0.000000216)	
PCB 126	MG/KG	T	0.00011	MG/KG		ND (0.000000106)		0.0000214	ND (0.000000292)	ND (0.000000128)	ND (0.000000194)	ND (0.000000467)	ND (0.000000178)	ND (0.00000021)	
PCB 127	MG/KG	T				ND (0.000000936)		ND (0.000000309)	ND (0.000000195)	ND (0.000000142)	ND (0.000000199)	ND (0.000000474)	ND (0.000000165)	ND (0.000000187)	
PCB 130	MG/KG	T				0.00000228		0.0000834	ND (0.0000002)	ND (0.000000201)	ND (0.000000289)	0.0000284	ND (0.000000248)	ND (0.00000028)	
PCB 131	MG/KG	T				0.000000365		0.0000202	ND (0.000000163)	ND (0.000000166)	ND (0.000000235)	0.00000709	ND (0.000000202)	ND (0.000000228)	
PCB 132	MG/KG	T				0.0000111		0.000511	ND (0.000000167)	ND (0.000000164)	ND (0.000000241)	0.000165	ND (0.000000207)	ND (0.000000234)	
PCB 133	MG/KG	T				0.000000657		0.0000163	ND (0.000000188)	ND (0.000000182)	ND (0.000000272)	0.00000532	ND (0.000000233)	ND (0.000000263)	
PCB 134	MG/KG	T				0.000000201		0.0000915	ND (0.00000022)	ND (0.000000188)	ND (0.000000318)	0.0000288	ND (0.000000272)	ND (0.000000308)	
PCB 136	MG/KG	T				0.00000459		0.00019	ND (0.000000122)	ND (0.000000147)	ND (0.000000202)	0.0000611	ND (0.000000137)	ND (0.000000136)	
PCB 137	MG/KG	T				0.000000981		0.0000585	ND (0.000000196)	ND (0.000000178)	ND (0.000000282)	0.0000282	ND (0.000000242)	ND (0.000000273)	
PCB 14	MG/KG	T				ND (0.000000149)		0.000000555	ND (0.000000737)	ND (0.000000529)	ND (0.00000139)	ND (0.00000171)	ND (0.000000802)	ND (0.000000846)	
PCB 141	MG/KG	T				0.00000549		0.000329	ND (0.00000016)	ND (0.000000156)	ND (0.00000023)	0.0000788	ND (0.000000197)	ND (0.000000223)	
PCB 142	MG/KG	T				ND (0.000000974)		0.00000079	ND (0.00000021)	ND (0.00000032)	ND (0.000000302)	ND (0.000000372)	ND (0.000000259)	ND (0.000000293)	
PCB 143	MG/KG	T				ND (0.000000086)		0.00000416	ND (0.00000019)	ND (0.000000195)	ND (0.000000274)	0.00000163	ND (0.000000235)	ND (0.000000266)	
PCB 144	MG/KG	T				0.00000124		0.0000743	ND (0.00000017)	ND (0.000000162)	ND (0.000000246)	0.0000211	ND (0.00000021)	ND (0.000000238)	
PCB 145	MG/KG	T				ND (0.000000671)		0.000000831	ND (0.000000152)	ND (0.000000127)	ND (0.000000211)	ND (0.000000252)	ND (0.000000143)	ND (0.000000167)	
PCB 146	MG/KG	T				0.00000498		0.000184	ND (0.000000147)	ND (0.000000147)	ND (0.000000211)	0.0000467	ND (0.000000181)	ND (0.000000205)	
PCB 148	MG/KG	T				ND (0.000000891)		0.000000688	ND (0.000000198)	ND (0.000000172)	ND (0.000000286)	ND (0.000000351)	ND (0.000000245)	ND (0.000000277)	
PCB 15	MG/KG	T				0.000000676 B		0.0000171	ND (0.00000091)	ND (0.000000655)	ND (0.00000171)	0.00000479	ND (0.000000991)	ND (0.00000105)	
PCB 150	MG/KG	T				ND (0.000000639)		0.00000102	ND (0.000000156)	ND (0.000000129)	ND (0.000000216)	ND (0.000000258)	ND (0.000000146)	ND (0.000000171)	
PCB 152	MG/KG	T				ND (0.00000063)		0.00000101	ND (0.000000129)	ND (0.000000107)	ND (0.000000179)	ND (0.000000214)	ND (0.000000121)	ND (0.000000141)	
PCB 154	MG/KG	T				ND (0.000000766)		0.00000828	ND (0.000000156)	ND (0.000000142)	ND (0.000000225)	0.00000287	ND (0.000000193)	ND (0.000000218)	
PCB 155	MG/KG	T				ND (0.000000062)		0.000000191	ND (0.000000153)	ND (0.000000125)	ND (0.000000212)	ND (0.000000254)	ND (0.000000143)	ND (0.000000168)	
PCB 158	MG/KG	T				0.00000373		0.000159	ND (0.000000122)	ND (0.000000122)	ND (0.000000173)	0.0000492	ND (0.000000148)	ND (0.000000168)	
PCB 159	MG/KG	T				0.000000682		0.0000149	ND (0.000000155)	ND (0.000000174)	ND (0.000000208)	0.0000027	ND (0.00000023)	ND (0.000000169)	
PCB 16	MG/KG	T				0.000000406 B		0.0000142	ND (0.000000335)	ND (0.000000287)	ND (0.000000489)	0.00000253	ND (0.000000336)	ND (0.00000028)	
PCB 162	MG/KG	T				0.000000151		0.00000504	ND (0.000000173)	ND (0.000000197)	ND (0.000000232)	0.0000014	ND (0.000000257)	ND (0.000000189)	
PCB 164	MG/KG	T				0.00000383		0.000112	ND (0.000000117)	ND (0.000000124)	ND (0.000000169)	0.0000278	ND (0.000000145)	ND (0.000000164)	
PCB 165	MG/KG	T				ND (0.000000735)		ND (0.000000951)	ND (0.000000147)	ND (0.000000142)	ND (0.000000213)	ND (0.000000261)	ND (0.000000182)	ND (0.000000206)	
PCB 167	MG/KG	T	0.38	MG/KG		0.00000153		0.0000549	ND (0.000000178)	ND (0.000000213)	ND (0.000000239)	0.000018	ND (0.000000264)	ND (0.000000194)	
PCB 169	MG/KG	T	0.00038	MG/KG		ND (0.000000114)		0.00000307	ND (0.000000213)	ND (0.000000213)	ND (0.000000225)	ND (0.000000597)	ND (0.000000247)	ND (0.00000015)	
PCB 17	MG/KG	T				0.000000461 B		0.0000131	ND (0.000000272)	ND (0.000000235)	ND (0.000000397)	0.00000229	ND (0.000000272)	ND (0.000000227)	
PCB 170	MG/KG	T				0.0000199		0.000426	ND (0.000000237)	ND (0.000000185)	ND (0.000000343)	0.000075	ND (0.000000231)	ND (0.00000029)	
PCB 172	MG/KG	T				0.00000399		0.0000718	ND (0.000000243)	ND (0.000000179)	ND (0.000000364)	0.0000129	ND (0.000000242)	ND (0.000000296)	
PCB 174	MG/KG	T				0.0000219		0.000446	ND (0.000000156)	ND (0.000000156)	ND (0.000000324)	0.0000826	ND (0.000000223)	ND (0.000000274)	
PCB 175	MG/KG	T				0.000000902		0.0000177	ND (0.000000256)	ND (0.000000164)	ND (0.000000383)	0.00000383	ND (0.000000254)	ND (0.000000312)	
PCB 176	MG/KG	T				0.00000251		0.0000542	ND (0.000000204)	ND (0.00000015)	ND (0.000000297)	0.0000112	ND (0.000000206)	ND (0.000000199)	
PCB 177	MG/KG	T				0.0000123		0.000246	ND (0.000000243)	ND (0.000000169)	ND (0.000000364)	0.0000452	ND (0.000000242)	ND (0.000000296)	
PCB 178	MG/KG	T				0.00000427		0.0000846	ND (0.000000242)	ND (0.00000018)	ND (0.000000351)	0.000015	ND (0.000000244)	ND (0.000000235)	
PCB 179	MG/KG	T				0.00000881		0.000186	ND (0.000000183)	ND (0.000000137)	ND (0.000000266)	0.0000339	ND (0.000000184)	ND (0.000000177)	
PCB 181	MG/KG	T				ND (0.000000176)		0.0000034	ND (0.000000255)	ND (0.000000174)	ND (0.000000382)	0.000000973	ND (0.000000254)	ND (0.000000311)	
PCB 182	MG/KG	T				ND (0.000000168)		0.00000327	ND (0.000000226)	ND (0.000000148)	ND (0.000000338)	ND (0.000000401)	ND (0.000000224)	ND (0.000000275)	
PCB 183	MG/KG	T				0.000012		0.000243	ND (0.000000219)	ND (0.000000133)	ND (0.000000327)	0.0000499	ND (0.000000217)	ND (0.000000266)	
PCB 184	MG/KG	T				ND (0.000000776)		0.000000868	ND (0.000000198)	ND (0.000000147)	ND (0.000000287)	ND (0.000000278)	ND (0.000000199)	ND (0.000000192)	
PCB 185	MG/KG	T				0.0000018		0.0000528	ND (0.000000275)	ND (0.000000197)	ND (0.000000411)	0.00000726	ND (0.000000273)	ND (0.000000335)	
PCB 186	MG/KG	T				ND (0.000000731)		0.00000116	ND (0.000000187)	ND (0.00000014)	ND (0.000000272)	ND (0.000000263)	ND (0.000000189)	ND (0.000000182)	
PCB 187	MG/KG	T				0.0000261		0.000566	0.000000407 J	ND (0.000000142)	ND (0.000000336)	0.000106	ND (0.000000223)	ND (0.000000273)	
PCB 188	MG/KG	T				ND (0.000000671)		0.000000898	EMPC	ND (0.000000203)	ND (0.000000149)	ND (0.000000294)	ND (0.000000284)	ND (0.000000197)	
PCB 189	MG/KG	T	0.38	MG/KG		0.00000077 J		0.0000152	ND (0.000000183)	ND (0.000000169)	ND (0.000000253)	0.00000323	ND (0.000000272)	ND (0.000000172)	
PCB 19	MG/KG	T				ND (0.000000137)		0.00000334	ND (0.000000352)	ND (0.000000293)	ND (0.000000514)	0.00000626 J	ND (0.000000353)	ND (0.000000294)	
PCB 190	MG/KG	T				0.00000355		0.0000829	ND (0.000000185)	ND (0.000000145)	ND (0.000000269)	0.0000166	ND (0.000000181)	ND (0.000000227)	
PCB 191	MG/KG	T				0.00000084	EMPC	0.0000167	ND (0.000000194)	ND (0.000000143)	ND (0.000000029)	0.00000318	EMPC	ND (0.000000193)	ND (0.000000236)
PCB 194	MG/KG	T				0.0000112		0.000272	ND (0.000000211)	ND (0.000000171)	ND (0.000000328)	0.0000465	ND (0.000000415)	ND (0.000000353)	
PCB 195	MG/KG	T				0.00000419		0.0000942	ND (0.000000254)	ND (0.000000165)	ND (0.000000346)	0.0000149	ND (0.000000437)	ND (0.000000372)	
PCB 196	MG/KG	T				0.00000576		0.000129	ND (0.000000213)	ND (0.000000259)	ND (0.000000314)	0.0000228	ND (0.000000345)	ND (0.000000322)	
PCB 197	MG/KG	T				0.000000566		0.0000119	ND (0.000000155)	ND (0.000000171)	ND (0.000000228)	0.00000159	EMPC	ND (0.000000251)	ND (0.000000234)
PCB 2	MG/KG	T				0.000000308	EMPC	0.00000443	ND (0.000000201)	ND (0.000000134)	ND (0.000000298)	0.00000657 J	ND (0.000000185)	0.000000322 J	
PCB 200	MG/KG	T				0.00000188		0.0000355	ND (0.000000193)	ND (0.000000205)	ND (0.000000285)	0.00000606	ND (0.000000313)	ND (0.000000292)	
PCB 201	MG/KG	T				0.0000016		0.0000365	ND (0.000000181)	ND (0.000000194)	ND (0.000000266)	0.0000007	ND (0.000000292)	ND (0.000000273)	
PCB 202	MG/KG	T				0.0000026		0.0000673	ND (0.000000212)	ND (0.000000183)	ND (0.000000312)	0.0000157	ND (0.000000343)	ND (0.00000032)	
PCB 203	MG/KG	T				0.00000786		0.000198	ND (0.000000205)	ND (0.000000246)	ND (0.000000301)	0.0000382	ND (0.000000331)	ND (0.000000309)	
PCB 204	MG/KG	T				ND (0.00000015)		0.000000943	ND (0.000000183)	ND (0.000000202)	ND (0.000000269)	ND (0.000000321)	ND (0.000000295)	ND (0.000000276)	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date Top (ft) Bottom (ft) Duplicate	S13SB13	S13SB14	S13SB14	S13SB15	S13SB16	S13SB16	S13SB16	S13SB17	S13SB17	S13SB17	
					6/3/08	6/4/08	6/4/08	5/29/08	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10
					8	4.5	25.5	3	4	6	6	4	4	14	
					10	6.5	27.5	5	2	6	8	2	6	16	
				FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 205	MG/KG	T				0.00000566		0.0000111	ND (0.00000229)	ND (0.00000173)	ND (0.00000312)	0.0000226	ND (0.00000394)	ND (0.00000335)	
PCB 206	MG/KG	T				0.0000104		0.00035	ND (0.00000897)	ND (0.00000623)	ND (0.0000115)	0.0000903	ND (0.0000013)	ND (0.0000104)	
PCB 207	MG/KG	T				0.0000439		0.0000624	ND (0.00000592)	ND (0.00000444)	ND (0.00000729)	0.00000945	ND (0.00000818)	ND (0.00000711)	
PCB 208	MG/KG	T				0.00000605		0.000124	ND (0.00000719)	ND (0.00000525)	ND (0.00000886)	0.0000286	ND (0.00000994)	ND (0.00000863)	
PCB 209	MG/KG	T				0.000623		0.0114 J	0.00000529	ND (0.0000036)	ND (0.00000516)	0.00249	0.00000207	ND (0.00000631)	
PCB 22	MG/KG	T				0.0000044 B		0.0000194	ND (0.00000233)	ND (0.00000209)	ND (0.00000423)	0.00000453	ND (0.00000235)	ND (0.00000221)	
PCB 23	MG/KG	T				ND (0.00000137)		0.00000368	ND (0.0000003)	ND (0.00000259)	ND (0.00000544)	ND (0.00000456)	ND (0.00000302)	ND (0.00000284)	
PCB 24	MG/KG	T				ND (0.00000112)		0.00000486	ND (0.00000207)	ND (0.00000178)	ND (0.00000302)	ND (0.00000356)	ND (0.00000208)	ND (0.00000173)	
PCB 25	MG/KG	T				ND (0.00000126)		0.00000325	ND (0.00000221)	ND (0.00000191)	ND (0.00000401)	0.00000869 J	ND (0.00000223)	ND (0.0000021)	
PCB 27	MG/KG	T				ND (0.00000106)		0.00000223	ND (0.00000219)	ND (0.00000187)	ND (0.0000032)	ND (0.00000377)	ND (0.0000022)	ND (0.00000183)	
PCB 3	MG/KG	T				0.00000043		0.0000156	ND (0.00000242)	ND (0.0000016)	ND (0.00000358)	ND (0.00000456)	ND (0.00000222)	ND (0.00000274)	
PCB 31	MG/KG	T				0.00000101 B		0.0000501	0.00000357 B	0.00000257 B	ND (0.00000412)	0.0000168	0.00000265 B	0.00000231 B	
PCB 32	MG/KG	T				0.00000338 B		0.0000118	0.00000204 J	ND (0.00000161)	ND (0.00000273)	0.0000022	ND (0.00000188)	0.00000177 J	
PCB 34	MG/KG	T				ND (0.00000134)		0.00000026	ND (0.00000263)	ND (0.00000228)	ND (0.00000477)	ND (0.0000004)	ND (0.00000265)	ND (0.00000249)	
PCB 35	MG/KG	T				0.000000684		0.00000429	ND (0.00000262)	ND (0.00000245)	ND (0.00000475)	ND (0.00000399)	ND (0.00000264)	ND (0.00000248)	
PCB 36	MG/KG	T				ND (0.00000126)		0.0000005	ND (0.00000227)	ND (0.00000208)	ND (0.00000412)	ND (0.00000346)	ND (0.00000229)	ND (0.00000215)	
PCB 37	MG/KG	T				0.000000537		0.0000021	ND (0.00000278)	ND (0.00000264)	ND (0.00000505)	0.00000737	ND (0.00000208)	ND (0.00000264)	
PCB 38	MG/KG	T				ND (0.00000135)		0.000000726	ND (0.00000272)	ND (0.00000258)	ND (0.00000493)	ND (0.00000414)	ND (0.00000274)	ND (0.00000258)	
PCB 39	MG/KG	T				ND (0.00000124)		0.000000994	ND (0.00000263)	ND (0.0000024)	ND (0.00000477)	ND (0.000004)	ND (0.00000265)	ND (0.00000249)	
PCB 4	MG/KG	T				0.0000004		0.00000428	ND (0.00000964)	ND (0.00000564)	ND (0.00000215)	0.00000105 J	ND (0.00000129)	ND (0.00000121)	
PCB 41	MG/KG	T				ND (0.00000101)		0.00000898	ND (0.00000276)	ND (0.00000182)	ND (0.00000241)	0.00000153	ND (0.00000246)	ND (0.00000316)	
PCB 42	MG/KG	T				0.000000207 EMPC		0.00000311	ND (0.00000274)	ND (0.00000174)	ND (0.00000239)	0.0000134	ND (0.00000244)	ND (0.00000314)	
PCB 43	MG/KG	T				ND (0.00000105)		0.0000035	ND (0.00000298)	ND (0.00000184)	ND (0.00000026)	ND (0.00000511)	ND (0.00000266)	ND (0.00000342)	
PCB 45	MG/KG	T				ND (0.000000958)		0.0000165	ND (0.00000264)	ND (0.0000016)	ND (0.00000023)	0.00000319	ND (0.00000235)	ND (0.00000302)	
PCB 46	MG/KG	T				ND (0.00000101)		0.00000752	ND (0.00000281)	ND (0.00000171)	ND (0.00000246)	0.00000168	ND (0.00000251)	ND (0.00000322)	
PCB 48	MG/KG	T				0.000000149 EMPC		0.0000019	ND (0.00000233)	ND (0.00000147)	ND (0.00000204)	0.00000578	ND (0.00000208)	ND (0.00000267)	
PCB 5	MG/KG	T				0.000000401 B		0.00000937 B	ND (0.00000807)	ND (0.00000578)	ND (0.00000152)	ND (0.00000187)	ND (0.00000879)	ND (0.00000927)	
PCB 51	MG/KG	T				ND (0.000000806)		0.000004	ND (0.00000025)	ND (0.00000149)	ND (0.00000219)	0.00000742 J	ND (0.00000223)	ND (0.00000287)	
PCB 52	MG/KG	T				0.00000108 B		0.000053	0.00000622 B	0.00000593 B	0.00000739 B	0.00039	0.00000654 B	0.00000522 B	
PCB 54	MG/KG	T				ND (0.000000687)		0.000000273	ND (0.00000183)	ND (0.00000174)	ND (0.00000275)	ND (0.00000387)	ND (0.00000202)	ND (0.00000185)	
PCB 55	MG/KG	T				ND (0.00000128)		0.00000188	ND (0.00000252)	ND (0.00000175)	ND (0.00000314)	ND (0.00000876)	ND (0.00000303)	ND (0.00000277)	
PCB 56	MG/KG	T				0.000000336		0.00000713	ND (0.00000236)	ND (0.00000171)	ND (0.00000295)	0.0000396	ND (0.00000284)	ND (0.00000026)	
PCB 57	MG/KG	T				ND (0.00000122)		ND (0.00000386)	ND (0.00000273)	ND (0.0000019)	ND (0.00000341)	ND (0.00000952)	ND (0.00000329)	ND (0.00000301)	
PCB 58	MG/KG	T				ND (0.00000123)		ND (0.00000387)	ND (0.00000242)	ND (0.00000169)	ND (0.00000302)	ND (0.00000842)	ND (0.00000291)	ND (0.00000267)	
PCB 6	MG/KG	T				0.000000265 B		0.00000251	ND (0.00000795)	ND (0.00000055)	ND (0.0000015)	0.00000859	ND (0.00000866)	ND (0.00000914)	
PCB 60	MG/KG	T				0.000000166 EMPC		0.0000349	ND (0.00000232)	ND (0.00000171)	ND (0.00000029)	0.0000168	ND (0.00000279)	ND (0.00000256)	
PCB 63	MG/KG	T				ND (0.00000111)		0.00000549	ND (0.00000261)	ND (0.00000178)	ND (0.00000326)	0.00000352	ND (0.00000315)	ND (0.00000288)	
PCB 64	MG/KG	T				0.000000423		0.00000834	ND (0.00000193)	ND (0.00000123)	ND (0.00000169)	0.0000597	ND (0.00000172)	ND (0.00000221)	
PCB 66	MG/KG	T				0.000000663		0.000161	ND (0.00000233)	ND (0.00000162)	ND (0.00000029)	0.000104	ND (0.00000028)	ND (0.000000256)	
PCB 67	MG/KG	T				ND (0.00000115)		0.00000283	ND (0.00000221)	ND (0.00000156)	ND (0.00000276)	ND (0.00000769)	ND (0.00000266)	ND (0.00000243)	
PCB 68	MG/KG	T				ND (0.00000113)		0.000000518	ND (0.00000271)	ND (0.00000181)	ND (0.00000338)	ND (0.00000944)	ND (0.00000326)	ND (0.00000299)	
PCB 7	MG/KG	T				ND (0.00000172)		0.00000608	ND (0.00000772)	ND (0.00000054)	ND (0.00000145)	ND (0.00000179)	ND (0.00000841)	ND (0.00000887)	
PCB 72	MG/KG	T				ND (0.00000117)		0.00000609	ND (0.00000236)	ND (0.00000164)	ND (0.00000294)	ND (0.0000082)	ND (0.00000284)	ND (0.00000026)	
PCB 77	MG/KG	T				0.000000272 J		0.0000146	ND (0.00000309)	ND (0.00000023)	ND (0.00000393)	0.00000512	ND (0.00000358)	ND (0.00000347)	
PCB 79	MG/KG	T				ND (0.00000108)		0.00000655	ND (0.00000218)	ND (0.0000016)	ND (0.00000272)	0.00000396	ND (0.00000262)	ND (0.00000024)	
PCB 8	MG/KG	T				0.00000122 B		0.0000159	ND (0.00000774)	0.00000371 J	ND (0.00000146)	0.00000361	ND (0.00000842)	0.00000395 J	
PCB 80	MG/KG	T				ND (0.00000109)		ND (0.00000344)	ND (0.00000257)	ND (0.00000188)	ND (0.00000032)	ND (0.00000894)	ND (0.00000309)	ND (0.00000283)	
PCB 81	MG/KG	T				ND (0.00000113)		0.00000115	ND (0.00000278)	ND (0.00000212)	ND (0.00000347)	ND (0.00000968)	ND (0.00000335)	ND (0.00000306)	
PCB 82	MG/KG	T				0.000000308 EMPC		0.000126	ND (0.00000307)	ND (0.00000177)	ND (0.00000312)	0.0000778	ND (0.00000225)	ND (0.00000284)	
PCB 83	MG/KG	T				0.000000244 EMPC		0.0000656	ND (0.00000303)	ND (0.00000173)	ND (0.00000307)	0.0000269	ND (0.00000221)	ND (0.00000028)	
PCB 84	MG/KG	T				0.000000893		0.000292	ND (0.00000287)	ND (0.0000016)	ND (0.00000291)	0.000177	0.00000356 J	ND (0.00000266)	
PCB 89	MG/KG	T				ND (0.00000141)		0.00000808	ND (0.00000283)	ND (0.00000154)	ND (0.00000288)	0.0000045	ND (0.00000207)	ND (0.00000262)	
PCB 9	MG/KG	T				0.00000305 B		0.00000389 B	ND (0.00000532)	ND (0.00000084)	ND (0.00000146)	ND (0.0000018)	ND (0.00000847)	ND (0.00000894)	
PCB 91	MG/KG	T				0.000000476		0.00011	ND (0.00000269)	ND (0.00000144)	ND (0.00000273)	0.0000787	ND (0.00000197)	ND (0.00000249)	
PCB 92	MG/KG	T				0.000000677		0.000182	ND (0.00000283)	ND (0.00000157)	ND (0.00000287)	0.0000965	ND (0.00000207)	ND (0.00000262)	
PCB 94	MG/KG	T				ND (0.00000146)		0.00000304	ND (0.00000335)	ND (0.00000179)	ND (0.00000034)	0.0000017 EMPC	ND (0.00000246)	ND (0.00000031)	
PCB 95	MG/KG	T				0.00000343		0.000908	0.000000799 B	0.000000436 B	0.00000064 B	0.000475	0.000000643 B	0.000000484 B	
PCB 96	MG/KG	T				ND (0.000000731)		0.00000539	ND (0.00000155)	ND (0.00000103)	ND (0.00000144)	0.00000286	ND (0.00000152)	ND (0.00000162)	
PCB 98	MG/KG	T				ND (0.00000143)		ND (0.00000452)	ND (0.00000254)	ND (0.0000016)	ND (0.00000258)	ND (0.00000563)	ND (0.00000186)	ND (0.00000235)	
PCB 99	MG/KG	T				0.00000111 EMPC		0.000371	ND (0.00000239)	ND (0.00000124)	ND (0.00000243)	0.000255	ND (0.00000175)	ND (0.00000221)	
PCB-100/93	MG/KG	T				ND (0.00000131)		0.00000443	ND (0.00000271)	ND (0.00000147)	ND (0.00000275)	0.00000216	ND (0.00000198)	ND (0.00000025)	
PCB-107/124	MG/KG	T				0.000000172 EMPC		0.000037	ND (0.00000206)	ND (0.00000129)	ND (0.00000209)	0.0000204	ND (0.00000151)	ND (0.00000191)	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location Date	S13SB13	S13SB14	S13SB14	S13SB15	S13SB16	S13SB16	S13SB16	S13SB17	S13SB17	S13SB17	
					6/3/08	6/4/08	6/4/08	5/29/08	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10	6/7/10
					8	4.5	25.5	3	4	6	8	2	4	6	14
				10	6.5	27.5	5	2	6	8	2	6	16		
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB-108/119/86/97/125/87	MG/KG	T				0.00000295		0.000732	ND (0.000000239)	ND (0.000000137)	ND (0.000000243)	0.000453	ND (0.000000175)	ND (0.000000221)	
PCB-113/90/101	MG/KG	T				0.00000304 B		0.00109	0.000000586 B	0.000000429 B	0.000000654 B	0.000629	0.0000006 B	0.000000455 B	
PCB-116/85	MG/KG	T				0.00000047		0.000153	ND (0.00000027)	ND (0.000000171)	ND (0.000000274)	0.000113	ND (0.000000197)	ND (0.00000025)	
PCB-128/166	MG/KG	T				0.00000435		0.000233	ND (0.00000018)	ND (0.000000203)	ND (0.000000242)	0.0000763	ND (0.000000267)	ND (0.000000196)	
PCB-13/12	MG/KG	T				ND (0.000000178)		0.0000044	ND (0.000000894)	ND (0.000000646)	ND (0.00000168)	ND (0.00000207)	ND (0.000000973)	ND (0.00000103)	
PCB-139/140	MG/KG	T				0.000000345 EMPC		0.0000215	ND (0.000000185)	ND (0.000000176)	ND (0.000000267)	0.00000979	ND (0.000000229)	ND (0.000000259)	
PCB-147/149	MG/KG	T				0.0000321		0.00115	0.000000769 J	ND (0.000000143)	0.00000036 J	0.000335	ND (0.000000186)	0.00000032 J	
PCB-151/135	MG/KG	T				0.0000118		0.000485	0.000000397 J	ND (0.000000155)	ND (0.000000245)	0.000129	ND (0.00000021)	ND (0.000000238)	
PCB-153/168	MG/KG	T				0.0000169		0.00121	0.000000869 B	ND (0.000000135)	ND (0.000000195)	0.000341	0.000000608 B	0.000000221 B	
PCB-156/157	MG/KG	T				0.00000163 J		0.000168	ND (0.000000221)	ND (0.000000208)	ND (0.000000306)	0.0000567	ND (0.000000346)	ND (0.000000246)	
PCB-163/138/129	MG/KG	T				0.0000308		0.00161	0.00000117 EMPC	0.000000341 J	0.00000065 J	0.000489	ND (0.000000193)	0.000000343 J	
PCB-171/173	MG/KG	T				0.00000613		0.00013	ND (0.000000239)	ND (0.000000173)	ND (0.000000357)	0.000023	ND (0.000000237)	ND (0.00000029)	
PCB-180/193	MG/KG	T				0.0000439		0.000982	0.000000901 J	ND (0.00000014)	ND (0.000000284)	0.000179	0.000000385 J	ND (0.000000231)	
PCB-198/199	MG/KG	T				0.0000132		0.000358	0.000000326 J	ND (0.000000268)	ND (0.000000322)	0.0000647	ND (0.000000354)	ND (0.000000331)	
PCB-21/33	MG/KG	T				0.000000757 B		0.0000263	0.000000276 J	ND (0.000000237)	ND (0.000000488)	0.00000705	ND (0.000000271)	0.000000241	
PCB-26/29	MG/KG	T				0.000000286		0.0000669	ND (0.000000244)	ND (0.000000213)	ND (0.000000442)	0.00000141	ND (0.000000245)	ND (0.000000231)	
PCB-28/20	MG/KG	T				0.00000127 B		0.0000538	0.000000601 B	0.000000504 B	0.000000478 B	0.0000128	0.000000567 B	0.00000053 B	
PCB-30/18	MG/KG	T				0.000000967 B		ND (0.000000178)	0.000000332 J	0.000000665 J	0.00000041 J	0.00000795	0.000000336 J	0.000000549 J	
PCB-44/47/65	MG/KG	T				0.00000118 B		0.00025	0.000000492 J	ND (0.000000149)	ND (0.000000208)	0.000184	0.000000567 J	0.000000471 J	
PCB-50/53	MG/KG	T				0.000000163		0.0000203	ND (0.000000156)	ND (0.000000156)	ND (0.000000203)	0.00000855	ND (0.000000235)	ND (0.000000302)	
PCB-59/62/75	MG/KG	T				0.0000000998 EMPC		0.00000831	ND (0.000000199)	ND (0.000000126)	ND (0.000000174)	0.00000248	ND (0.000000178)	ND (0.000000228)	
PCB-61/70/74/76	MG/KG	T				0.0000015 B		0.000544	0.000000413 J	ND (0.000000165)	ND (0.000000292)	0.000426	0.000000491 J	0.000000375 J	
PCB-69/49	MG/KG	T				0.000000468 B		0.000121	0.000000178 EMPC	0.000000211 J	0.000000301 J	0.00009	0.000000246 J	ND (0.000000256)	
PCB-71/40	MG/KG	T				0.000000349		0.0000572	ND (0.000000141)	ND (0.000000196)	ND (0.000000257)	0.0000274	ND (0.0000002)	ND (0.000000257)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000635		0.0000612	0.000000384 B	0.000000553 B	0.000000422 B	0.0000155 B	0.000000351 B	0.000000554 B	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00017 EMPC		0.00363 EMPC	0.00000131 EMPC	ND (0.000000165)	ND (0.000000324)	0.000668 EMPC	0.000000385 EMPC	ND (0.000000244)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000141 EMPC		0.0068	0.00000032 EMPC	0.000000341 B	0.000000101 B	0.00201	0.000000608 B	0.000000884 B	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.000000991 EMPC		0.0000316	ND (0.000000382)	ND (0.00000011)	ND (0.000000498)	0.000000657 EMPC	ND (0.00000108)	0.000000322	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000209		0.000536	ND (0.000000808)	ND (0.000000574)	ND (0.00000102)	0.000128	ND (0.00000115)	ND (0.000000951)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000494		0.00121	0.000000537	ND (0.000000202)	ND (0.000000312)	0.00022 EMPC	ND (0.000000368)	ND (0.000000327)	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.0000234 EMPC		0.0067	0.000000269 B	0.000000865 B	0.000000238 B	0.00414 EMPC	0.000000256 B	0.000000131 B	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00000706 B		0.00201	0.000000171 B	0.000000804 B	0.00000104 B	0.00139	0.00000196 B	0.00000137 B	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T				0.00000716 B		0.000233	0.00000177 B	0.00000143 B	0.000000888 B	0.0000664	0.00000117 B	0.00000173 B	
ALUMINUM	MG/KG	T	990000	MG/KG	15700	11800	4060	13300	15200	14700	13400	15400	14700	4800	
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.14) UJ	ND (1.21) UJ	ND (1.12) UJ	10.9 J	ND (1.13)	ND (1.25)	ND (1.2)	ND (1.1)	ND (1.14)	ND (1.27)	
ARSENIC	MG/KG	T	11	MG/KG	^2.91 J	1.21 J	0.338 J	^3.67 J	^4.46	^3.31	1.23 J	^4.21	^3.09	1.31 J	
BARIUM	MG/KG	T	190000	MG/KG	33.9	26	6.56	114	36.4	31.6	31.6	30.4	27.2	10.5	
BERYLLIUM	MG/KG	T	2000	MG/KG	0.464 J	0.403 J	0.116 J	0.567	0.558 J	0.522 J	0.481 J	0.558	0.403 J	0.512 J	
CADMIUM	MG/KG	T	800	MG/KG	0.195 J	ND (0.169)	ND (0.157)	0.541 J	0.965	0.784	0.851	0.96	0.723	1.21	
CALCIUM	MG/KG	T				69.7	533	82.9	2790	356	287	356	552	329	
CHROMIUM	MG/KG	T				113 J	14.3 J	5.5 J	94.7	31.5	23.5	50.3	23.6	35	
COBALT	MG/KG	T	300	MG/KG	2.63	3.38	1.12	ND (10.7)	3.95	3.47	3.46	3.88	2.9	0.718	
COPPER	MG/KG	T	41000	MG/KG	79.6	8.32 J	6.13 J	65.2	131	137	48.5	20	26.3	14.3	
IRON	MG/KG	T	720000	MG/KG	18900	11500	5890	22100	23300	18800	20600	23300	17500	26500	
LEAD	MG/KG	T	800	MG/KG	3.53	5.9	1.32	112	7.76 J	10 J	9.95 J	47.2 J	11.6 J	12.6 J	
MAGNESIUM	MG/KG	T				460	515 J	104 J	1900	2250	1730	1980	1760	322	
MANGANESE	MG/KG	T	23000	MG/KG	26.9	170	28.2	248	73	61.9	54.7	74.1	50.7	34.2	
MERCURY	MG/KG	T	43	MG/KG	0.027 J	ND (0.0136)	ND (0.0127)	0.266	ND (0.013)	ND (0.0145)	ND (0.0136)	0.0296 J	ND (0.0131)	0.0343 J	
NICKEL	MG/KG	T	20000	MG/KG	10.2	9.29	3.01	12.9	10.2	8.28	8.23	9.12	6.65	2.23	
POTASSIUM	MG/KG	T				450 J	417 J	112 J	1180 J	1370	895	1040	897	140	
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.12)	ND (1.18) UJ	ND (1.1) UJ	ND (1.1)	ND (1.1)	ND (1.23)	ND (1.18)	ND (1.08)	ND (1.12)	ND (1.25)	
SILVER	MG/KG	T	5100	MG/KG	ND (0.194)	ND (0.205)	ND (0.191)	0.595	0.355 J	ND (0.225)	0.283 J	0.24 J	ND (0.206)	ND (0.229)	
SODIUM	MG/KG	T				104 J	184 B	520 J	396	110 J	241	209	45 J	119	
THALLIUM	MG/KG	T	10	MG/KG	ND (0.174)	ND (0.183) R	ND (0.167) R	ND (0.175)	ND (1.63)	ND (1.82)	ND (1.75)	ND (1.6)	ND (1.66)	ND (1.85)	
TITANIUM	MG/KG	T				249	462	150	3770						
VANADIUM	MG/KG	T				29.3	15.4	5.39	39	41.1	34.1	35.1	42.3	35.2	
ZINC	MG/KG	T	310000	MG/KG	15.3	23.5	5.5	35.9	30.3	26.4	26.4	32.1	24.3	4.8	
TOTAL ORGANIC CARBON	MG/KG	T				ND (403)	ND (246)	ND (276)	ND (348)	ND (228)	ND (141)	399 J	ND (156)	ND (134)	
HPCDFS	MG/KG	T				0.00000261		0.000062							

FED\_MCL  
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**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		
				S13SB18	S13SB18	
				Date	Date	
				Top (ft)	Top (ft)	
				Bottom (ft)	Bottom (ft)	
				Duplicate	Duplicate	
ACETONE	MG/KG	T	630000	MG/KG	ND (0.007)	ND (0.008)
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	ND (0.001)
CHLOROFORM	MG/KG	T	1.5	MG/KG	ND (0.001)	ND (0.001)
CIS-1,2 DICHLOROETHENE	MG/KG	T	2000	MG/KG	ND (0.001)	ND (0.001)
TRICHLOROETHENE	MG/KG	T	14	MG/KG	ND (0.001)	ND (0.001)
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.073 J	ND (0.04)
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.13 J	ND (0.04)
BENZO(G,H,I)PERYLENE	MG/KG	T			0.083 J	ND (0.04)
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.037)	ND (0.04)
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	0.093 J	ND (0.04)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.074)	ND (0.08)
CHRYSENE	MG/KG	T	210	MG/KG	0.08 J	ND (0.04)
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.13 J	ND (0.04)
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	ND (0.037)	ND (0.04)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	0.061 J	ND (0.04)
PHENANTHRENE	MG/KG	T			0.057 J	ND (0.04)
PYRENE	MG/KG	T	17000	MG/KG	0.13 J	ND (0.04)
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000412	0.000144
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000135	0.00000118 J
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000381	0.000000183 J
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000482 J	0.00000154 J
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000241	0.000000173 J
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000106 J	0.00000276
1,2,3,6,7,8-HXCDF	MG/KG	T			0.000000914 J	0.000000137 J
1,2,3,7,8,9-HXCDD	MG/KG	T			0.0000011 J	0.00000504
1,2,3,7,8,9-HXCDF	MG/KG	T			ND (0.000000924)	0.000000265 J
1,2,3,7,8-PECDD	MG/KG	T			0.000000281 J	0.000000845 J
1,2,3,7,8-PECDF	MG/KG	T			0.000000828 J	0.000000127 J
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000000656 J	0.000000157 J
2,3,4,7,8-PECDF	MG/KG	T			0.000000569 J	ND (0.000000058)
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	0.000000916 J	0.0000000948 J
2,3,7,8-TCDF	MG/KG	T			0.000000455 J	ND (0.0000000539)
HPCDDS	MG/KG	T				
HXCDDS	MG/KG	T				
HXCDFS	MG/KG	T				
OCDD	MG/KG	T			0.00289	0.0103 J
OCDF	MG/KG	T			0.000536	0.00000385 B
TCDDS	MG/KG	T			0.00000104 EMPC	0.00000219 EMPC
TCDFS	MG/KG	T			0.00000662 EMPC	0.0000011 EMPC
TOTAL HPCDD	MG/KG	T			0.000099 EMPC	0.00037 EMPC
TOTAL HPCDF	MG/KG	T			0.0000276 EMPC	0.00000349 B
TOTAL HXCDD	MG/KG	T			0.00002 EMPC	0.0000756 EMPC
TOTAL HXCDF	MG/KG	T			0.0000113 EMPC	0.00000201 EMPC
TOTAL PECDD	MG/KG	T			0.00000503 EMPC	0.00000957 EMPC
TOTAL PECDDS	MG/KG	T				
TOTAL PECDF	MG/KG	T			0.00000769 EMPC	0.000000852 EMPC
TOTAL PECDFS	MG/KG	T				
PCB 1	MG/KG	T			0.00000129	ND (0.00000423)
PCB 10	MG/KG	T			ND (0.000000562)	ND (0.00000119)
PCB 102	MG/KG	T			0.00000419	ND (0.000000621)
PCB 103	MG/KG	T			0.000000525 J	ND (0.000000488)
PCB 105	MG/KG	T	0.38	MG/KG	0.0000426	ND (0.000000433)
PCB 109	MG/KG	T			0.000000535	ND (0.000000374)
PCB 11	MG/KG	T			0.00000446 B	0.00000279 B
PCB 110	MG/KG	T			0.000198	ND (0.000000413)
PCB 111	MG/KG	T			ND (0.000000454)	ND (0.000000475)
PCB 114	MG/KG	T	0.38	MG/KG	0.00000172	ND (0.000000426)
PCB 117	MG/KG	T			0.00000109	ND (0.000000476)
PCB 118	MG/KG	T	0.38	MG/KG	0.000108	ND (0.000000448)
PCB 120	MG/KG	T			ND (0.000000384)	ND (0.000000402)
PCB 121	MG/KG	T			ND (0.00000046)	ND (0.000000482)
PCB 122	MG/KG	T			0.00000121	ND (0.000000443)

FED\_MCL  
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**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	
				S13SB18	S13SB18
				Date	Date
				Top (ft)	Top (ft)
				Bottom (ft)	Bottom (ft)
				Duplicate	Duplicate
PCB 123	MG/KG	T	0.38	MG/KG	0.00000247 ND (0.00000494)
PCB 126	MG/KG	T	0.00011	MG/KG	0.00000813 J ND (0.00000457)
PCB 127	MG/KG	T			ND (0.00000422) ND (0.00000413)
PCB 130	MG/KG	T			0.0000237 ND (0.00000597)
PCB 131	MG/KG	T			0.00000433 ND (0.00000486)
PCB 132	MG/KG	T			0.000119 ND (0.00000498)
PCB 133	MG/KG	T			0.0000045 EMPC ND (0.00000561)
PCB 134	MG/KG	T			0.0000219 ND (0.00000656)
PCB 136	MG/KG	T			0.0000417 ND (0.00000416)
PCB 137	MG/KG	T			0.0000162 ND (0.00000582)
PCB 14	MG/KG	T			ND (0.00000717) ND (0.00000186)
PCB 141	MG/KG	T			0.0000501 ND (0.00000475)
PCB 142	MG/KG	T			ND (0.00000216) ND (0.00000624)
PCB 143	MG/KG	T			ND (0.00000195) ND (0.00000566)
PCB 144	MG/KG	T			0.0000171 ND (0.00000507)
PCB 145	MG/KG	T			ND (0.00000137) ND (0.00000432)
PCB 146	MG/KG	T			0.0000423 ND (0.00000437)
PCB 148	MG/KG	T			ND (0.00000204) ND (0.0000059)
PCB 15	MG/KG	T			0.0000132 ND (0.0000023)
PCB 150	MG/KG	T			0.00000031 J ND (0.00000443)
PCB 152	MG/KG	T			ND (0.00000116) ND (0.00000366)
PCB 154	MG/KG	T			0.00000203 ND (0.00000465)
PCB 155	MG/KG	T			ND (0.00000137) ND (0.00000435)
PCB 158	MG/KG	T			0.0000308 ND (0.00000358)
PCB 159	MG/KG	T			ND (0.00000426) ND (0.00000434)
PCB 16	MG/KG	T			0.00000217 ND (0.00000758)
PCB 162	MG/KG	T			0.0000012 ND (0.00000486)
PCB 164	MG/KG	T			0.0000285 ND (0.00000349)
PCB 165	MG/KG	T			ND (0.00000152) ND (0.00000439)
PCB 167	MG/KG	T	0.38	MG/KG	0.0000156 ND (0.00000499)
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000485) ND (0.00000517)
PCB 17	MG/KG	T			0.00000219 ND (0.00000614)
PCB 170	MG/KG	T			0.000106 ND (0.00000626)
PCB 172	MG/KG	T			0.0000205 ND (0.0000067)
PCB 174	MG/KG	T			0.000113 ND (0.00000619)
PCB 175	MG/KG	T			0.00000572 ND (0.00000705)
PCB 176	MG/KG	T			0.0000149 ND (0.00000501)
PCB 177	MG/KG	T			0.000064 ND (0.0000067)
PCB 178	MG/KG	T			0.0000215 ND (0.00000592)
PCB 179	MG/KG	T			0.0000448 ND (0.00000448)
PCB 181	MG/KG	T			0.0000108 ND (0.00000703)
PCB 182	MG/KG	T			ND (0.00000346) ND (0.00000622)
PCB 183	MG/KG	T			0.0000663 ND (0.00000602)
PCB 184	MG/KG	T			ND (0.0000014) ND (0.00000484)
PCB 185	MG/KG	T			0.0000129 ND (0.00000757)
PCB 186	MG/KG	T			ND (0.00000133) ND (0.00000459)
PCB 187	MG/KG	T			0.000155 ND (0.00000618)
PCB 188	MG/KG	T			ND (0.00000143) ND (0.00000496)
PCB 189	MG/KG	T	0.38	MG/KG	0.00000445 ND (0.0000067)
PCB 19	MG/KG	T			0.0000012 ND (0.00000796)
PCB 190	MG/KG	T			0.000002 ND (0.0000049)
PCB 191	MG/KG	T			0.00000509 ND (0.00000534)
PCB 194	MG/KG	T			0.0000727 ND (0.00000141)
PCB 195	MG/KG	T			0.0000245 ND (0.00000148)
PCB 196	MG/KG	T			0.000036 ND (0.00000891)
PCB 197	MG/KG	T			0.00000256 ND (0.00000648)
PCB 2	MG/KG	T			0.00000708 J ND (0.00000335)
PCB 200	MG/KG	T			0.0000112 ND (0.00000808)
PCB 201	MG/KG	T			0.0000113 ND (0.00000755)
PCB 202	MG/KG	T			0.0000261 ND (0.00000886)
PCB 203	MG/KG	T			0.000059 ND (0.00000856)
PCB 204	MG/KG	T			ND (0.00000226) ND (0.00000763)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location		
				S13SB18	S13SB18	
				Date	Date	
				Top (ft)	Top (ft)	
				Bottom (ft)	Bottom (ft)	
				Duplicate	Duplicate	
PCB 205	MG/KG	T		0.00000375	ND (0.0000134)	
PCB 206	MG/KG	T		0.000141	ND (0.00000279)	
PCB 207	MG/KG	T		0.000016	ND (0.0000165)	
PCB 208	MG/KG	T		0.0000482	ND (0.000002)	
PCB 209	MG/KG	T		0.00282	ND (0.0000136)	
PCB 22	MG/KG	T		0.00000454	ND (0.00000434)	
PCB 23	MG/KG	T		ND (0.00000281)	ND (0.00000558)	
PCB 24	MG/KG	T		ND (0.00000171)	ND (0.00000468)	
PCB 25	MG/KG	T		0.00000991	ND (0.00000412)	
PCB 27	MG/KG	T		0.00000632 J	ND (0.00000495)	
PCB 3	MG/KG	T		ND (0.00000222)	ND (0.00000403)	
PCB 31	MG/KG	T		0.0000106	0.00000327 B	
PCB 32	MG/KG	T		0.00000339	ND (0.00000423)	
PCB 34	MG/KG	T		ND (0.00000246)	ND (0.00000489)	
PCB 35	MG/KG	T		0.00000717 J	ND (0.00000488)	
PCB 36	MG/KG	T		ND (0.00000213)	ND (0.00000423)	
PCB 37	MG/KG	T		0.0000124	ND (0.00000518)	
PCB 38	MG/KG	T		ND (0.00000255)	ND (0.00000506)	
PCB 39	MG/KG	T		ND (0.00000247)	ND (0.0000049)	
PCB 4	MG/KG	T		0.00000238	ND (0.00000213)	
PCB 41	MG/KG	T		0.00000663 J	ND (0.0000058)	
PCB 42	MG/KG	T		0.00000298	ND (0.00000576)	
PCB 43	MG/KG	T		ND (0.00000209)	ND (0.00000628)	
PCB 45	MG/KG	T		0.00000261	ND (0.00000555)	
PCB 46	MG/KG	T		0.00000134	ND (0.00000592)	
PCB 48	MG/KG	T		0.00000123	ND (0.00000491)	
PCB 5	MG/KG	T		ND (0.00000786)	ND (0.00000204)	
PCB 51	MG/KG	T		0.00000855 J	ND (0.00000527)	
PCB 52	MG/KG	T		0.0000196	0.00000813 B	
PCB 54	MG/KG	T		ND (0.00000191)	ND (0.00000482)	
PCB 55	MG/KG	T		ND (0.00000326)	ND (0.00000564)	
PCB 56	MG/KG	T		0.00000662	ND (0.0000053)	
PCB 57	MG/KG	T		ND (0.00000354)	ND (0.00000613)	
PCB 58	MG/KG	T		ND (0.00000313)	ND (0.00000542)	
PCB 6	MG/KG	T		0.00000112	ND (0.00000201)	
PCB 60	MG/KG	T		0.00000329	ND (0.0000052)	
PCB 63	MG/KG	T		0.00000356 J	ND (0.00000586)	
PCB 64	MG/KG	T		0.00000639	ND (0.00000407)	
PCB 66	MG/KG	T		0.0000157	ND (0.00000521)	
PCB 67	MG/KG	T		ND (0.00000286)	ND (0.00000495)	
PCB 68	MG/KG	T		ND (0.00000351)	ND (0.00000608)	
PCB 7	MG/KG	T		ND (0.00000752)	ND (0.00000195)	
PCB 72	MG/KG	T		ND (0.00000305)	ND (0.00000528)	
PCB 77	MG/KG	T	0.11	MG/KG	0.00000538	ND (0.00000678)
PCB 79	MG/KG	T		0.00000473 J	ND (0.00000489)	
PCB 8	MG/KG	T		0.00000354	ND (0.00000195)	
PCB 80	MG/KG	T		ND (0.00000332)	ND (0.00000575)	
PCB 81	MG/KG	T	0.038	MG/KG	ND (0.00000359)	ND (0.00000623)
PCB 82	MG/KG	T		0.0000082	ND (0.0000065)	
PCB 83	MG/KG	T		0.00000547	ND (0.0000064)	
PCB 84	MG/KG	T		0.0000372	ND (0.00000607)	
PCB 89	MG/KG	T		0.00000105	ND (0.00000599)	
PCB 9	MG/KG	T		ND (0.00000758)	ND (0.00000197)	
PCB 91	MG/KG	T		0.0000223	ND (0.0000057)	
PCB 92	MG/KG	T		0.0000175	ND (0.00000598)	
PCB 94	MG/KG	T		0.00000715 J	ND (0.00000709)	
PCB 95	MG/KG	T		0.000126	ND (0.00000529)	
PCB 96	MG/KG	T		0.00000956	ND (0.00000366)	
PCB 98	MG/KG	T		ND (0.00000513)	ND (0.00000537)	
PCB 99	MG/KG	T		0.0000341	ND (0.00000506)	
PCB-100/93	MG/KG	T		0.00000751 J	ND (0.00000572)	
PCB-107/124	MG/KG	T		0.00000432	ND (0.00000436)	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-5**  
**Summary of Analytical Results - SWMU 13**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S13SB18	S13SB18
				Date	6/7/10	6/7/10
				Top (ft)	0	4
				Bottom (ft)	2	6
				Duplicate	FS	FS
PCB-108/119/86/97/125/87	MG/KG	T			0.0000504	ND (0.00000506)
PCB-113/90/101	MG/KG	T			0.0000836	0.00000639 B
PCB-116/85	MG/KG	T			0.0000167	ND (0.0000057)
PCB-128/166	MG/KG	T			0.0000587	ND (0.00000505)
PCB-13/12	MG/KG	T			0.0000106	ND (0.0000226)
PCB-139/140	MG/KG	T			0.0000064	ND (0.00000551)
PCB-147/149	MG/KG	T			0.000275	0.00000502 J
PCB-151/135	MG/KG	T			0.000118	ND (0.00000507)
PCB-153/168	MG/KG	T			0.00022	ND (0.00000403)
PCB-156/157	MG/KG	T			0.0000324	ND (0.0000068)
PCB-163/138/129	MG/KG	T			0.000335	0.00000664 J
PCB-171/173	MG/KG	T			0.000033	ND (0.00000657)
PCB-180/193	MG/KG	T			0.000255	ND (0.00000523)
PCB-198/199	MG/KG	T			0.000108	ND (0.00000915)
PCB-21/33	MG/KG	T			0.00000675	ND (0.00000501)
PCB-26/29	MG/KG	T			0.0000211	ND (0.00000454)
PCB-28/20	MG/KG	T			0.0000164	0.00000624 B
PCB-30/18	MG/KG	T			0.00000627	ND (0.00000551)
PCB-44/47/65	MG/KG	T			0.0000125	0.00000875 J
PCB-50/53	MG/KG	T			0.00000373	ND (0.00000555)
PCB-59/62/75	MG/KG	T			0.00000137	ND (0.00000419)
PCB-6170/74/76	MG/KG	T			0.0000339	ND (0.00000525)
PCB-69/49	MG/KG	T			0.00000662	ND (0.00000471)
PCB-71/40	MG/KG	T			0.00000504	ND (0.00000472)
TOTAL DICHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.0000258 B	0.00000279 B
TOTAL HEPTACHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.000943	ND (0.00000635)
TOTAL HEXACHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.00146 EMPC	0.00000117
TOTAL MONOCHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.000002	ND (0.00000232)
TOTAL NONACHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.000205	ND (0.0000024)
TOTAL OCTACHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.000356	ND (0.00000111)
TOTAL PENTACHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.000775 EMPC	0.00000639 B
TOTAL TETRACHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.000131 EMPC	0.00000169 B
TOTAL TRICHLOOROBIPHENYLS (CONGENER)	MG/KG	T			0.0000703	0.00000951 B
ALUMINIUM	MG/KG	T	990000	MG/KG	10700	18600
ANTIMONY	MG/KG	T	410	MG/KG	ND (1.1)	ND (1.17)
ARSENIC	MG/KG	T	11	MG/KG	^2.04 J	^2.96
BARIUM	MG/KG	T	190000	MG/KG	91	49.2
BERYLLIUM	MG/KG	T	2000	MG/KG	0.621	0.582 J
CADMIUM	MG/KG	T	800	MG/KG	0.804	0.877
CALCIUM	MG/KG	T			1770	327
CHROMIUM	MG/KG	T			31.5	28.9
COBALT	MG/KG	T	300	MG/KG	5.57	4.01
COPPER	MG/KG	T	41000	MG/KG	31.1	7.91
IRON	MG/KG	T	720000	MG/KG	16000	21800
LEAD	MG/KG	T	800	MG/KG	20 J	12.1 J
MAGNESIUM	MG/KG	T			3480	2320
MANGANESE	MG/KG	T	23000	MG/KG	131	71.5
MERCURY	MG/KG	T	43	MG/KG	ND (0.0124)	ND (0.0131)
NICKEL	MG/KG	T	20000	MG/KG	13.3	8.18
POTASSIUM	MG/KG	T			2670	934
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.07)	ND (1.15)
SILVER	MG/KG	T	5100	MG/KG	ND (0.197)	0.264 J
SODIUM	MG/KG	T			81.2 J	52.6 J
THALLIUM	MG/KG	T	10	MG/KG	ND (1.59)	ND (1.7)
TITANIUM	MG/KG	T				
VANADIUM	MG/KG	T			34.5	34
ZINC	MG/KG	T	310000	MG/KG	154	29.5
TOTAL ORGANIC CARBON	MG/KG	T			ND (162)	262 J
HPCDFS	MG/KG	T				

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB01	S16SB02	S16SB02	S16SB03	S16SB03	S16SB04	S16SB04	S16SB04	S16SB04	S16SB05
				Date	4/25/08	4/25/08	4/28/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	4/25/08	4/25/08	4/28/08
				Top (ft)	0	2	1	11	0	7.5	0	0	0	2	2
				Bottom (ft)	2	4	3	13	2	9.5	2	2	2	4	4
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS		
ACETONE	MG/KG	T	630000	MG/KG	0.054	0.016 J	0.043	0.017 J	0.019	0.016 J	0.045	0.06	0.019 J	0.038	
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.001 J	ND (0.001)	ND (0.001)	ND (0.001)	0.001 J	ND (0.0009)	
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	0.006 J	ND (0.004)	0.004 J	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	0.008 J	ND (0.004)	ND (0.004)	
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.002)	
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
BENZO(G,H,I)PERYLENE	MG/KG	T		MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.081)	ND (0.08)	ND (0.078)	ND (0.078)	ND (0.079)	0.14 J	ND (0.077)	ND (0.077)	0.34 J	ND (0.075)	
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	0.051 J	ND (0.038)	0.043 J	ND (0.037)	
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
NAPHTHALENE	MG/KG	T	18	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
PHENANTHRENE	MG/KG	T		MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.037)	
PYRENE	MG/KG	T	17000	MG/KG	ND (0.041)	ND (0.04)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	0.045 J	ND (0.038)	ND (0.041)	ND (0.037)	
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000654		0.000108		0.0000924		0.000122			0.0000769	
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.00000763		0.0000146		0.0000823		0.0000156			0.0000831	
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000147 J		0.00000219 J		0.00000138 J		0.00000366			0.00000108 J	
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000574 J		0.000000839 J		0.000000874 J		0.000000658 EMPC J			0.000000537 EMPC J	
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000153 J		0.00000175 J		0.0000012 J		0.00000253			0.00000107 J	
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000113 J		0.000000928 EMPC J		0.00000135 J		0.00000105 EMPC J			0.00000075 J	
1,2,3,6,7,8-HXCDF	MG/KG	T			0.000000757 J		0.00000108 J		0.000000648 J		0.00000119 J			0.000000537 J	
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000167 EMPC J		0.00000151 J		0.00000228 J		0.00000155 J			0.000000817 J	
1,2,3,7,8,9-HXCDF	MG/KG	T			0.000000391 EMPC J		ND (0.00000087)		0.000000298 EMPC J		0.00000115 J			0.000000269 EMPC J	
1,2,3,7,8-PECDD	MG/KG	T			0.000000389 J		ND (0.00000025) UJ		0.00000033 EMPC J		0.000000262 EMPC J			ND (0.000000626)	
1,2,3,7,8-PECDF	MG/KG	T			0.000000558 J		0.000000483 J		0.000000348 J		0.00000064 J			0.000000278 J	
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000000584 EMPC J		0.000000778 EMPC J		0.000000587 J		0.000000802 EMPC J			0.000000514 J	
2,3,4,7,8-PECDF	MG/KG	T			0.00000143 J		0.000000461 J		0.000000303 J		0.00000063 J			ND (0.000000235) UJ	
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	ND (0.000000954)		0.0000000787 EMPC J		0.0000000939 EMPC J		ND (0.000000171)			ND (0.000000158)	
2,3,7,8-TCDF	MG/KG	T			0.000000599		0.00000012 EMPC J		0.000000143 J		0.00000027 J			0.000000103 J	
HPCDDS	MG/KG	T			0.000135		0.000343		0.000218		0.000263			0.000165	
HXCDDS	MG/KG	T			0.0000477 EMPC		0.0000705 EMPC		0.0000566 EMPC		0.0000221 EMPC			0.0000127 EMPC	
HXCDFS	MG/KG	T			0.00000744 EMPC		0.00000834 EMPC		0.00000596 EMPC		0.0000121 EMPC			0.00000477 EMPC	
OCDD	MG/KG	T			0.0048		0.0104 J		0.00702		0.0129 J			0.00636	
OCDF	MG/KG	T			0.0000706		0.0000645		0.0000466		0.0000645			0.0000387	
TCDDS	MG/KG	T			0.00000248 EMPC		0.000000839 EMPC		0.0000019 EMPC		0.00000131 EMPC			ND (0.000000158)	
TCDFS	MG/KG	T			0.0000184 EMPC		0.00000347 EMPC		0.00000387 EMPC		0.00000637 EMPC			0.00000137 EMPC	
TOTAL PECDDS	MG/KG	T			0.0000122 EMPC		0.00000736 EMPC		0.0000105 EMPC		0.00000449 EMPC			0.00000119 EMPC	
TOTAL PECDFS	MG/KG	T			0.0000125 EMPC		0.00000452 EMPC		0.00000398 EMPC		0.00000777 EMPC			0.0000022 EMPC	
PCB 1	MG/KG	T			0.00000108 B		0.000000632 B		0.000000715 B		0.00000344			0.000000663 B	
PCB 102	MG/KG	T			0.00000954		ND (0.000000222)		ND (0.000000227)		0.00000654			ND (0.000000191)	
PCB 103	MG/KG	T			0.00000132 EMPC		ND (0.00000023)		ND (0.000000235)		0.00000118			ND (0.000000199)	
PCB 105	MG/KG	T	0.38	MG/KG	0.000146		0.000000645 B		0.000000772 B		0.0000325			0.000000481 B	
PCB 109	MG/KG	T			0.0000186		ND (0.000000188)		ND (0.000000192)		0.0000051			ND (0.000000162)	
PCB 110	MG/KG	T			0.000247		0.00000421 B		0.00000355 B		0.000282			0.00000154 B	
PCB 112	MG/KG	T			0.000000745		ND (0.000000192)		ND (0.000000197)		ND (0.000000283)			ND (0.000000166)	
PCB 114	MG/KG	T	0.38	MG/KG	0.00000887		ND (0.000000205)		ND (0.000000196)		0.00000133			ND (0.000000168)	
PCB 115	MG/KG	T			0.00000634		ND (0.000000179)		ND (0.000000183)		0.00000133			ND (0.000000154)	
PCB 117	MG/KG	T			0.00000471		ND (0.000000191)		ND (0.000000195)		0.00000257			ND (0.000000165)	
PCB 118	MG/KG	T	0.38	MG/KG	0.000201		0.00000135 B		0.0000016 B		0.0000768			0.00000104 B	
PCB 120	MG/KG	T			0.000000515		ND (0.000000183)		ND (0.000000186)		ND (0.000000268)			ND (0.000000157)	
PCB 122	MG/KG	T			0.00000629		ND (0.000000212)		ND (0.000000203)		0.00000154			ND (0.000000173)	
PCB 123	MG/KG	T	0.38	MG/KG	0.00000881		ND (0.000000203)		ND (0.000000207)		0.00000274			ND (0.000000175)	
PCB 126	MG/KG	T	0.00011	MG/KG	0.00000242		ND (0.000000187)		ND (0.000000169)		0.000000741 J			ND (0.000000172)	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB01	S16SB02	S16SB02	S16SB03	S16SB03	S16SB04	S16SB04	S16SB04	S16SB04	S16SB05
				Date	4/25/08	4/25/08	4/28/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	4/25/08	4/25/08	4/28/08
				Top (ft)	0	2	1	11	0	7.5	0	0	0	2	2
				Bottom (ft)	2	4	3	13	2	9.5	2	2	2	4	4
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS		
PCB 130	MG/KG	T			0.00000757		0.00000405 EMPC		0.00000324 EMPC		0.0000267				ND (0.00000246)
PCB 131	MG/KG	T			0.00000229		ND (0.00000255)		ND (0.00000239)		0.00000635				ND (0.00000241)
PCB 132	MG/KG	T			0.0000372		0.00000178		0.00000152		0.000144				0.00000503
PCB 133	MG/KG	T			0.00000158		ND (0.00000241)		ND (0.00000225)		0.00000436				ND (0.00000227)
PCB 134	MG/KG	T			0.00000543		ND (0.00000256)		ND (0.00000239)		0.0000215				ND (0.00000242)
PCB 136	MG/KG	T			0.0000149		0.00000816		0.00000568		0.000043				0.00000207
PCB 137	MG/KG	T			0.00000608		ND (0.00000227)		ND (0.00000213)		0.0000196				ND (0.00000215)
PCB 141	MG/KG	T			0.0000276		0.00000523 EMPC		0.00000487		0.000054				ND (0.00000222)
PCB 143	MG/KG	T			0.0000007		ND (0.00000249)		ND (0.00000233)		0.00000117				ND (0.00000235)
PCB 144	MG/KG	T			0.0000073		ND (0.00000219)		ND (0.00000205)		0.0000159				ND (0.00000207)
PCB 146	MG/KG	T			0.000017		0.00000719		0.00000555 EMPC		0.0000415				0.00000203 EMPC
PCB 15	MG/KG	T			0.00000684 B		0.00000341 B		0.00000334 B		0.0000141 J				0.0000295 B
PCB 150	MG/KG	T			0.00000263		ND (0.00000125)		ND (0.0000014)		0.00000366				ND (0.0000015)
PCB 152	MG/KG	T			0.00000239 EMPC		ND (0.00000124)		ND (0.00000138)		0.0000037				ND (0.00000148)
PCB 154	MG/KG	T			0.0000011		ND (0.00000196)		ND (0.00000183)		0.0000022				ND (0.00000185)
PCB 158	MG/KG	T			0.0000132		0.00000442		0.00000456		0.0000333				ND (0.00000152)
PCB 162	MG/KG	T			0.00000844		ND (0.00000211)		ND (0.0000021)		0.0000146				ND (0.00000185)
PCB 164	MG/KG	T			0.00000861		0.00000453		0.00000388		0.0000298				ND (0.00000166)
PCB 167	MG/KG	T	0.38	MG/KG	0.00000624		0.00000321 J		ND (0.00000223)		0.000017				ND (0.00000197)
PCB 169	MG/KG	T	0.00038	MG/KG	0.00000453 J		0.00000424 J		ND (0.00000251)		0.00000104				ND (0.0000022)
PCB 170	MG/KG	T			0.0000413		0.00000223		0.00000163		0.0000739				0.00000601
PCB 172	MG/KG	T			0.0000122		0.00000067		0.00000464 EMPC		0.0000147				ND (0.00000353)
PCB 174	MG/KG	T			0.0000852		0.00000232		0.00000229		0.0000828				0.00000525 EMPC
PCB 175	MG/KG	T			0.0000036		ND (0.00000262)		ND (0.00000332)		0.00000396				ND (0.00000335)
PCB 176	MG/KG	T			0.00000797		0.00000324 EMPC		0.00000213 EMPC		0.00000856				ND (0.00000153)
PCB 177	MG/KG	T			0.0000422		0.00000132		0.00000101 EMPC		0.000046				ND (0.00000366)
PCB 178	MG/KG	T			0.0000146		0.00000731		0.00000538 EMPC		0.0000131				ND (0.00000217)
PCB 179	MG/KG	T			0.0000312		0.00000133		0.00000964		0.0000274				0.00000285
PCB 181	MG/KG	T			ND (0.00000493)		ND (0.00000259)		ND (0.00000329)		0.00000128				ND (0.00000331)
PCB 182	MG/KG	T			0.00000689		ND (0.00000246)		ND (0.00000312)		0.00000546				ND (0.00000314)
PCB 183	MG/KG	T			0.0000525		0.00000169		0.00000132		0.0000494				ND (0.00000326)
PCB 185	MG/KG	T			0.0000102		ND (0.00000258)		ND (0.00000327)		0.00000624				ND (0.00000303)
PCB 187	MG/KG	T			0.000132		0.000004		0.00000376		0.0000969				0.00000961
PCB 189	MG/KG	T	0.38	MG/KG	0.00000179		0.00000048 J		0.000000414 J		0.00000373				0.00000024 J
PCB 19	MG/KG	T			0.00000207 B		0.000000658 B		0.000000628 B		0.00000249				0.00000564 B
PCB 190	MG/KG	T			0.0000106		0.00000386		0.00000026 EMPC		0.0000124				ND (0.00000219)
PCB 191	MG/KG	T			0.00000258		ND (0.00000198)		ND (0.00000252)		0.00000375				ND (0.00000254)
PCB 194	MG/KG	T			0.0000655		0.00000385		0.00000325		0.0000387				0.00000125
PCB 195	MG/KG	T			0.0000194		0.000000829		0.000000752		0.0000124				0.00000371
PCB 196	MG/KG	T			0.0000315		0.00000245		0.00000179		0.0000195				0.00000102
PCB 197	MG/KG	T			0.00000235		0.000000717		0.000000511		0.00000188 EMPC				ND (0.00000232)
PCB 2	MG/KG	T			0.00000108		0.000000554		0.00000103		0.0000169				0.00000696
PCB 200	MG/KG	T			0.00000978		0.000000481		0.000000342 EMPC		0.0000058				ND (0.00000236)
PCB 201	MG/KG	T			0.00000935		0.00000119		0.000000875		0.00000595				0.00000447 EMPC
PCB 202	MG/KG	T			0.0000169		0.00000226		0.00000176		0.0000109				0.00000618
PCB 203	MG/KG	T			0.000053		0.00000325		0.00000317		0.0000321				0.00000109
PCB 205	MG/KG	T			0.00000272		0.000000706		0.00000031 EMPC		0.00000226				0.00000291 EMPC
PCB 206	MG/KG	T			0.0000865		0.0000255		0.0000171		0.0000668				0.0000112
PCB 207	MG/KG	T			0.0000135		0.00001		0.00000598		0.0000159				0.00000501
PCB 208	MG/KG	T			0.0000266		0.0000123		0.00000796		0.0000254				0.00000457
PCB 209	MG/KG	T			0.000265		0.000203		0.000113		0.000466				0.000106
PCB 22	MG/KG	T			0.0000172		0.00000224 B		0.00000225 B		0.00000462 B				0.00000203 B
PCB 24	MG/KG	T			ND (0.00000182)		ND (0.00000211)		ND (0.00000189)		0.00000203				0.00000174
PCB 25	MG/KG	T			0.00000258		0.00000055 B		0.000000583 B		0.0000013 B				0.000000512 B
PCB 27	MG/KG	T			0.00000206		0.000000421 B		0.000000323 B		0.000000908 B				0.000000323 B
PCB 3	MG/KG	T			0.0000015 B		0.000000828 B		0.00000126 B		0.00000348				0.000000876 B

FED\_MCL  
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**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB01	S16SB01	S16SB02	S16SB02	S16SB03	S16SB03	S16SB04	S16SB04	S16SB04	S16SB04	S16SB05
				Date	4/25/08	4/25/08	4/28/08	4/28/08	4/25/08	4/25/08	4/25/08	4/25/08	4/25/08	4/25/08	4/28/08
				Top (ft)	0	2	1	11	0	7.5	0	0	0	2	2
				Bottom (ft)	2	4	3	13	2	9.5	2	2	2	4	4
Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	
PCB 31	MG/KG	T			0.0000426		0.00000506 B		0.00000541 B		0.0000108 B				0.00000523 B
PCB 32	MG/KG	T			0.0000101		0.0000017 B		0.00000154 B		0.00000332 B				0.00000151 B
PCB 35	MG/KG	T			0.0000015		ND (0.00000389)		ND (0.00000276)		0.000000631				0.000000276
PCB 37	MG/KG	T			0.0000367		0.000001 B		0.00000164 B		0.00000902				0.00000105 B
PCB 41	MG/KG	T			0.0000153		0.000000472 B		0.000000452 B		0.000000958 B				ND (0.00000232)
PCB 42	MG/KG	T			0.0000568		0.000000648 B		0.00000114 B		0.0000036				0.00000062 B
PCB 43	MG/KG	T			0.00000477		ND (0.00000231)		ND (0.00000252)		ND (0.00000299)				ND (0.00000225)
PCB 45	MG/KG	T			0.0000228		0.000000813 B		0.000000737 B		0.00000932				0.000000491 B
PCB 46	MG/KG	T			0.00000873		0.000000309		0.000000328		0.000006				ND (0.00000222)
PCB 48	MG/KG	T			0.0000346		0.000000498 B		0.000000911 B		0.00000168 B				0.000000672 B
PCB 51	MG/KG	T			0.00000565		0.000000247 B		0.000000349 B		0.00000412				0.000000295 B
PCB 52	MG/KG	T			0.000213		0.00000285 B		0.00000442 B		0.0000366				0.00000269 B
PCB 54	MG/KG	T			0.00000259		ND (0.00000122)		ND (0.00000142)		0.000000235				ND (0.00000106)
PCB 55	MG/KG	T			0.00000294		ND (0.00000165)		ND (0.00000193)		ND (0.00000328)				ND (0.00000164)
PCB 56	MG/KG	T			0.000168		0.000000696 B		0.000000572 B		0.00000481				0.00000036 B
PCB 57	MG/KG	T			0.000000626		ND (0.00000159)		ND (0.00000187)		ND (0.00000317)				ND (0.00000158)
PCB 58	MG/KG	T			0.000000668		ND (0.00000162)		ND (0.0000019)		ND (0.00000323)				ND (0.00000162)
PCB 60	MG/KG	T			0.0000726		ND (0.00000161)		0.000000377		0.0000023				0.000000296 EMPC
PCB 63	MG/KG	T			0.00000874		ND (0.0000015)		ND (0.00000175)		0.00000039				ND (0.00000149)
PCB 64	MG/KG	T			0.0001		0.00000113 B		0.00000186 B		0.00000734				0.000000898 B
PCB 66	MG/KG	T			0.000311		0.00000125 B		0.00000153 B		0.0000109				0.000000816 B
PCB 67	MG/KG	T			0.00000389		ND (0.00000149)		ND (0.00000174)		ND (0.00000296)				ND (0.00000148)
PCB 68	MG/KG	T			0.000000662		ND (0.00000152)		ND (0.00000178)		ND (0.00000302)				ND (0.00000151)
PCB 7	MG/KG	T			0.000000458 J		0.000000373 UJ		ND (0.00000372) UJ		0.000000584 J				0.000000377 J
PCB 72	MG/KG	T			0.00000131		ND (0.00000154)		ND (0.0000018)		ND (0.00000306)				ND (0.00000153)
PCB 73	MG/KG	T			0.000000589		ND (0.00000149)		ND (0.00000163)		ND (0.00000193)				ND (0.00000145)
PCB 77	MG/KG	T	0.11	MG/KG	0.0000476		0.000000427 J		0.000000483 J		0.00000346				0.000000255 J
PCB 79	MG/KG	T			0.0000029		ND (0.00000144)		ND (0.00000169)		0.00000149				ND (0.00000143)
PCB 81	MG/KG	T	0.038	MG/KG	0.0000022		ND (0.00000172)		ND (0.00000202)		ND (0.00000343)				ND (0.00000171)
PCB 82	MG/KG	T			0.0000542		ND (0.00000297)		ND (0.00000304)		0.0000172				ND (0.00000256)
PCB 83	MG/KG	T			0.0000161		ND (0.00000294)		ND (0.000003)		0.000011				ND (0.00000253)
PCB 84	MG/KG	T			0.0000671		0.00000142 B		0.000000724 B		0.00000767				ND (0.00000248)
PCB 88	MG/KG	T			0.00000218		ND (0.00000286)		ND (0.00000292)		ND (0.00000042)				ND (0.00000247)
PCB 89	MG/KG	T			0.00000721		ND (0.00000269)		ND (0.00000275)		0.00000227				ND (0.00000232)
PCB 91	MG/KG	T			0.0000349		0.000000739		0.000000496		0.0000363				ND (0.00000198)
PCB 92	MG/KG	T			0.0000327		ND (0.00000255)		ND (0.0000026)		0.0000311				0.000000275 EMPC
PCB 94	MG/KG	T			0.00000213		ND (0.00000274)		ND (0.0000028)		0.00000136				ND (0.00000236)
PCB 95	MG/KG	T			0.000131		0.00000399 B		0.00000258 B		0.000245				0.00000141 B
PCB 96	MG/KG	T			0.00000319		ND (0.00000134)		ND (0.0000014)		0.00000225				ND (0.00000133)
PCB 98	MG/KG	T			0.00000146		ND (0.00000028)		ND (0.000000286)		ND (0.000000412)				ND (0.00000241)
PCB 99	MG/KG	T			0.00011		0.000000888 B		0.000000866 B		0.000048				0.00000059 B
PCB-100/93	MG/KG	T			0.00000236		ND (0.00000243)		ND (0.00000249)		0.00000181				ND (0.00000021)
PCB-107/124	MG/KG	T			0.0000113		ND (0.00000196)		ND (0.00000201)		0.00000432				ND (0.00000169)
PCB-108/119/86/97/125/87	MG/KG	T			0.000179		0.0000015 B		0.0000017 B		0.0000745				0.00000121 B
PCB-113/90/101	MG/KG	T			0.000174		0.00000201 B		0.00000194 B		0.000116				0.00000157 B
PCB-116/85	MG/KG	T			0.000063		ND (0.00000221)		ND (0.00000226)		0.0000191				ND (0.00000191)
PCB-128/166	MG/KG	T			0.0000195		0.000000844		0.000000911		0.0000758				ND (0.00000214)
PCB-13/12	MG/KG	T			0.00000159 J		0.000000693 J		0.00000077 J		0.00000183 J				0.000000677 J
PCB-139/140	MG/KG	T			0.00000284		ND (0.00000223)		ND (0.00000209)		0.00000721				ND (0.00000211)
PCB-147/149	MG/KG	T			0.000099		0.00000473		0.00000342		0.000266				0.00000118 B
PCB-151/135	MG/KG	T			0.0000468		0.00000205		0.00000143 B		0.0000996				0.000000577 B
PCB-153/168	MG/KG	T			0.000108		0.00000202 B		0.00000199 B		0.00019				0.000000999 B
PCB-156/157	MG/KG	T			0.0000173		0.000000742 J		0.000000671 J		0.0000286				0.000000407 J
PCB-163/138/129	MG/KG	T			0.00012		0.00000359 B		0.00000359 B		0.000339				0.00000119 B
PCB-171/173	MG/KG	T			0.000018		0.000000924		0.0000007 EMPC		0.0000284				ND (0.00000371)
PCB-180/193	MG/KG	T			0.000141		0.0000048		0.00000403		0.000143				0.00000107 B

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location											
				Date	S16SB01	S16SB01	S16SB02	S16SB02	S16SB03	S16SB03	S16SB04	S16SB04	S16SB04	S16SB04	
				Top (ft)	0	2	1	11	0	7.5	0	0	0	2	
				Bottom (ft)	2	4	3	13	2	9.5	2	2	2	4	
				Duplicate	FS	FS	FS	FS	FS	FS	FS	DUP	FS	FS	
PCB-198/199	MG/KG	T			0.00009		0.00000668		0.00000635		0.0000532			0.00000193	
PCB-26/29	MG/KG	T			0.00000586		0.000000996 B		0.00000111 B		0.00000193 B			0.00000107 B	
PCB-28/20	MG/KG	T			0.0000543		0.00000683 B		0.00000701 B		0.0000149 B			0.00000648 B	
PCB-44/47/65	MG/KG	T			0.000213		0.00000289 B		0.00000429 B		0.0000162			0.00000299 B	
PCB-50/53	MG/KG	T			0.000026		0.000000681 B		0.000000604 B		0.000014			0.000000505 B	
PCB-59/62/75	MG/KG	T			0.0000156		0.000000271		0.000000337 EMPC		0.00000217			ND (0.00000014)	
PCB-61/70/74/76	MG/KG	T			0.00039		0.00000265 B		0.00000327 B		0.0000282			0.00000203 B	
PCB-69/49	MG/KG	T			0.000116		0.00000148 B		0.0000023 B		0.0000085			0.00000139 B	
PCB-71/40	MG/KG	T			0.000107		0.000000977 B		0.00000187 B		0.00000695			0.000000927 B	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000607		0.0000212 EMPC		0.0000176 EMPC		0.000616			0.00000368 EMPC	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000572 EMPC		0.0000199 EMPC		0.0000163 EMPC		0.00147			0.00000526 B	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000366		0.00000201 B		0.000003 B		0.00000861			0.00000224 B	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000127		0.0000479		0.0000311		0.000108			0.00000208	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0003		0.0000224		0.0000191 EMPC		0.000183 EMPC			0.00000701 EMPC	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00156 EMPC		0.0000168 B		0.0000142 B		0.0011			0.00000813 B	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00195		0.0000183 B		0.0000258 B		0.000169			0.0000152 B	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000212		0.0000346 B		0.0000343 B		0.0000732 B			0.0000329 B	
ALUMINUM	MG/KG	T	990000	MG/KG	16400	16100	14800	15300	15500	16700		17700	16400	14100	13700
ANTIMONY	MG/KG	T	410	MG/KG	1.2 J	ND (1.07) UJ	ND (1.03) UJ	ND (1.01) UJ	ND (1.04) UJ	ND (1.02) UJ		ND (1) UJ	ND (1.04) UJ	ND (1.1) UJ	ND (0.974) UJ
ARSENIC	MG/KG	T	11	MG/KG	^4.77 J	^2.38 J	^3.05 J	1.51 J	^8.03 J	^3.67 J		1.54 J	1 J	^2.97 J	^2.5 J
BARIIUM	MG/KG	T	190000	MG/KG	52.8	39.2	41.4	34.1	47.7	32.4		52.3	55.1	56.6	41.2
BERYLLIUM	MG/KG	T	2000	MG/KG	0.428 J	0.388 J	0.374 J	0.314 J	0.452 J	0.506 J		0.31 J	0.213 J	0.594 J	0.583
CADMIUM	MG/KG	T	800	MG/KG	0.509 J	0.381 J	0.285 J	0.269 J	0.396 J	0.518 J		0.555	0.633	0.468 J	0.288 J
CALCIUM	MG/KG	T			2280	1000	1330	626	1170	438		2130	2080	3780	407
CHROMIUM	MG/KG	T			28 J	25.2 J	21.6 J	18.3 J	24.3 J	25.2 J		26.6 J	30.9 J	30.5 J	14.6 J
COBALT	MG/KG	T	300	MG/KG	6.99	5.9	7.83	6.69	7.01	11.2		10.1	11.5	8.35	9.27
COPPER	MG/KG	T	41000	MG/KG	17.7	9.39	8.21	8.07	12.1	11.8		17.6	19.5	29.7	6.34
IRON	MG/KG	T	720000	MG/KG	20700	19200	15700	15300	19000	23700		18200	19600	20800	14800
LEAD	MG/KG	T	800	MG/KG	23.3	11.2	10.9	5.91	13.4	6.23		30.6	39.5	29.4	7.6
MAGNESIUM	MG/KG	T			3000	2410	1790	2350	2120	1140		1660	1700	1860	1020
MANGANESE	MG/KG	T	23000	MG/KG	182	182	149	147	235	225		247	290	228	231
MERCURY	MG/KG	T	43	MG/KG	0.0329 J	0.0185 J	0.0466 J	ND (0.0121)	0.0271 J	ND (0.0114)		0.0712 J	0.0719 J	0.0298 J	0.0299 J
NICKEL	MG/KG	T	20000	MG/KG	14.6	10.2	9.95	9.74	11.1	10.3		16.1	19.9	12.4	9.25
POTASSIUM	MG/KG	T			1970 J	1690 J	1200 J	1620 J	1570 J	1070 J		1180 J	1180 J	1320 J	718 J
SILVER	MG/KG	T	5100	MG/KG	0.209 J	0.267 J	0.237 J	0.245 J	0.285 J	0.353 J		0.27 J	0.334 J	0.256 J	0.27 J
SODIUM	MG/KG	T			267	227	294	81.3 J	409	70.3 J		151	144	170	329
THALLIUM	MG/KG	T	10	MG/KG	ND (0.181) UJ	ND (0.177) UJ	ND (0.173) UJ	ND (0.169) UJ	ND (0.17) UJ	ND (0.169) UJ		ND (0.17) UJ	0.253 J	ND (0.177) UJ	ND (0.162) UJ
TITANIUM	MG/KG	T			1340	1000	817	855	895	765		1420	2310	800	493
VANADIUM	MG/KG	T			38.7	36.8	30.6	29.8	34.9	44.4		35.8	38.8	33.5	24.7
ZINC	MG/KG	T	310000	MG/KG	45.6	27.3	26.4	22.7	32.7	29.6		47.3	54.3	42.5	23.4
TOTAL ORGANIC CARBON	MG/KG	T			4680	ND (446)	2670	ND (276)	ND (388)	ND (350)		1130 J	1260	6940	4110
HPCDFS	MG/KG	T			0.0000127		0.0000225		0.000013		0.000026			0.0000124	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB05
				Date	4/28/08
				Top (ft)	5.5
				Bottom (ft)	7.5
				Duplicate	FS
ACETONE	MG/KG	T	630000	MG/KG	0.017 J
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	0.003 J
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	ND (0.004)
METHYLENE CHLORIDE	MG/KG	T	53	MG/KG	0.003 J
ANTHRACENE	MG/KG	T	170000	MG/KG	0.05 J
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.16 J
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.17 J
BENZO(G,H,I)PERYLENE	MG/KG	T			0.091 J
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	0.074 J
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	0.13 J
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.073)
CHRYSENE	MG/KG	T	210	MG/KG	0.18
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.21
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	0.079 J
NAPHTHALENE	MG/KG	T	18	MG/KG	0.039 J
PHENANTHRENE	MG/KG	T			0.12 J
PYRENE	MG/KG	T	17000	MG/KG	0.23
1,2,3,4,6,7,8-HPCDD	MG/KG	T			
1,2,3,4,6,7,8-HPCDF	MG/KG	T			
1,2,3,4,7,8,9-HPCDF	MG/KG	T			
1,2,3,4,7,8-HXCDD	MG/KG	T			
1,2,3,4,7,8-HXCDF	MG/KG	T			
1,2,3,6,7,8-HXCDD	MG/KG	T			
1,2,3,6,7,8-HXCDF	MG/KG	T			
1,2,3,7,8,9-HXCDD	MG/KG	T			
1,2,3,7,8,9-HXCDF	MG/KG	T			
1,2,3,7,8-PECDD	MG/KG	T			
1,2,3,7,8-PECDF	MG/KG	T			
2,3,4,6,7,8-HXCDF	MG/KG	T			
2,3,4,7,8-PECDF	MG/KG	T			
2,3,7,8-TCDD	MG/KG	T	0.000018	MG/KG	
2,3,7,8-TCDF	MG/KG	T			
HPCDDS	MG/KG	T			
HXCDDS	MG/KG	T			
HXCDFS	MG/KG	T			
OCDD	MG/KG	T			
OCDF	MG/KG	T			
TCDDS	MG/KG	T			
TCDFS	MG/KG	T			
TOTAL PECDDS	MG/KG	T			
TOTAL PECDFS	MG/KG	T			
PCB 1	MG/KG	T			
PCB 102	MG/KG	T			
PCB 103	MG/KG	T			
PCB 105	MG/KG	T	0.38	MG/KG	
PCB 109	MG/KG	T			
PCB 110	MG/KG	T			
PCB 112	MG/KG	T			
PCB 114	MG/KG	T	0.38	MG/KG	
PCB 115	MG/KG	T			
PCB 117	MG/KG	T			
PCB 118	MG/KG	T	0.38	MG/KG	
PCB 120	MG/KG	T			
PCB 122	MG/KG	T			
PCB 123	MG/KG	T	0.38	MG/KG	
PCB 126	MG/KG	T	0.00011	MG/KG	

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**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB05
				Date	4/28/08
				Top (ft)	5.5
				Bottom (ft)	7.5
				Duplicate	FS
PCB 130	MG/KG	T			
PCB 131	MG/KG	T			
PCB 132	MG/KG	T			
PCB 133	MG/KG	T			
PCB 134	MG/KG	T			
PCB 136	MG/KG	T			
PCB 137	MG/KG	T			
PCB 141	MG/KG	T			
PCB 143	MG/KG	T			
PCB 144	MG/KG	T			
PCB 146	MG/KG	T			
PCB 15	MG/KG	T			
PCB 150	MG/KG	T			
PCB 152	MG/KG	T			
PCB 154	MG/KG	T			
PCB 158	MG/KG	T			
PCB 162	MG/KG	T			
PCB 164	MG/KG	T			
PCB 167	MG/KG	T	0.38	MG/KG	
PCB 169	MG/KG	T	0.00038	MG/KG	
PCB 170	MG/KG	T			
PCB 172	MG/KG	T			
PCB 174	MG/KG	T			
PCB 175	MG/KG	T			
PCB 176	MG/KG	T			
PCB 177	MG/KG	T			
PCB 178	MG/KG	T			
PCB 179	MG/KG	T			
PCB 181	MG/KG	T			
PCB 182	MG/KG	T			
PCB 183	MG/KG	T			
PCB 185	MG/KG	T			
PCB 187	MG/KG	T			
PCB 189	MG/KG	T	0.38	MG/KG	
PCB 19	MG/KG	T			
PCB 190	MG/KG	T			
PCB 191	MG/KG	T			
PCB 194	MG/KG	T			
PCB 195	MG/KG	T			
PCB 196	MG/KG	T			
PCB 197	MG/KG	T			
PCB 2	MG/KG	T			
PCB 200	MG/KG	T			
PCB 201	MG/KG	T			
PCB 202	MG/KG	T			
PCB 203	MG/KG	T			
PCB 205	MG/KG	T			
PCB 206	MG/KG	T			
PCB 207	MG/KG	T			
PCB 208	MG/KG	T			
PCB 209	MG/KG	T			
PCB 22	MG/KG	T			
PCB 24	MG/KG	T			
PCB 25	MG/KG	T			
PCB 27	MG/KG	T			
PCB 3	MG/KG	T			

FED\_MCL  
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**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB05
				Date	4/28/08
				Top (ft)	5.5
				Bottom (ft)	7.5
				Duplicate	FS
PCB 31	MG/KG	T			
PCB 32	MG/KG	T			
PCB 35	MG/KG	T			
PCB 37	MG/KG	T			
PCB 41	MG/KG	T			
PCB 42	MG/KG	T			
PCB 43	MG/KG	T			
PCB 45	MG/KG	T			
PCB 46	MG/KG	T			
PCB 48	MG/KG	T			
PCB 51	MG/KG	T			
PCB 52	MG/KG	T			
PCB 54	MG/KG	T			
PCB 55	MG/KG	T			
PCB 56	MG/KG	T			
PCB 57	MG/KG	T			
PCB 58	MG/KG	T			
PCB 60	MG/KG	T			
PCB 63	MG/KG	T			
PCB 64	MG/KG	T			
PCB 66	MG/KG	T			
PCB 67	MG/KG	T			
PCB 68	MG/KG	T			
PCB 7	MG/KG	T			
PCB 72	MG/KG	T			
PCB 73	MG/KG	T			
PCB 77	MG/KG	T	0.11	MG/KG	
PCB 79	MG/KG	T			
PCB 81	MG/KG	T	0.038	MG/KG	
PCB 82	MG/KG	T			
PCB 83	MG/KG	T			
PCB 84	MG/KG	T			
PCB 88	MG/KG	T			
PCB 89	MG/KG	T			
PCB 91	MG/KG	T			
PCB 92	MG/KG	T			
PCB 94	MG/KG	T			
PCB 95	MG/KG	T			
PCB 96	MG/KG	T			
PCB 98	MG/KG	T			
PCB 99	MG/KG	T			
PCB-100/93	MG/KG	T			
PCB-107/124	MG/KG	T			
PCB-108/119/86/97/125/87	MG/KG	T			
PCB-113/90/101	MG/KG	T			
PCB-116/85	MG/KG	T			
PCB-128/166	MG/KG	T			
PCB-13/12	MG/KG	T			
PCB-139/140	MG/KG	T			
PCB-147/149	MG/KG	T			
PCB-151/135	MG/KG	T			
PCB-153/168	MG/KG	T			
PCB-156/157	MG/KG	T			
PCB-163/138/129	MG/KG	T			
PCB-171/173	MG/KG	T			
PCB-180/193	MG/KG	T			

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-6**  
**Summary of Analytical Results - SWMU 16**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S16SB05
				Date	4/28/08
				Top (ft)	5.5
				Bottom (ft)	7.5
				Duplicate	FS
PCB-198/199	MG/KG	T			
PCB-26/29	MG/KG	T			
PCB-28/20	MG/KG	T			
PCB-44/47/65	MG/KG	T			
PCB-50/53	MG/KG	T			
PCB-59/62/75	MG/KG	T			
PCB-61/70/74/76	MG/KG	T			
PCB-69/49	MG/KG	T			
PCB-71/40	MG/KG	T			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			
ALUMINUM	MG/KG	T	990000	MG/KG	15100
ANTIMONY	MG/KG	T	410	MG/KG	ND (0.956) UJ
ARSENIC	MG/KG	T	11	MG/KG	^3.38 J
BARIUM	MG/KG	T	190000	MG/KG	84.7
BERYLLIUM	MG/KG	T	2000	MG/KG	0.578
CADMIUM	MG/KG	T	800	MG/KG	0.745
CALCIUM	MG/KG	T			245
CHROMIUM	MG/KG	T			17.7 J
COBALT	MG/KG	T	300	MG/KG	44.2
COPPER	MG/KG	T	41000	MG/KG	9.11
IRON	MG/KG	T	720000	MG/KG	29000
LEAD	MG/KG	T	800	MG/KG	3.06 J
MAGNESIUM	MG/KG	T			334
MANGANESE	MG/KG	T	23000	MG/KG	1590
MERCURY	MG/KG	T	43	MG/KG	ND (0.0114)
NICKEL	MG/KG	T	20000	MG/KG	10.9
POTASSIUM	MG/KG	T			511 J
SILVER	MG/KG	T	5100	MG/KG	0.527 J
SODIUM	MG/KG	T			177
THALLIUM	MG/KG	T	10	MG/KG	ND (0.159)
TITANIUM	MG/KG	T			490
VANADIUM	MG/KG	T			33.5
ZINC	MG/KG	T	310000	MG/KG	23.7
TOTAL ORGANIC CARBON	MG/KG	T			ND (341)
HPCDFS	MG/KG	T			

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-7**  
**Summary of Analytical Results - SWMU 18B**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S17SB06	S17SB06	S17SBTMW01	S17SBTMW01	S17SBTMW02	S17SBTMW02	S17SBTMW03	S17SBTMW03	S17SBTMW04	S17SBTMW04	S17SBTMW05	S17SBTMW05
				Date	5/19/10	5/19/10	5/15/08	5/15/08	5/14/08	5/14/08	5/13/08	5/13/08	5/13/08	5/13/08	5/15/08	5/15/08
				Top (ft)	1	6	3	13	6.5	9	1	7	7	11	5	18
				Bottom (ft)	3	8	5	15	7.5	10	3	9	8	13	7	20
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
CUMENE	MG/KG	T	11000	MG/KG			ND (0.001)	ND (0.001)					0.056 J	ND (0.001)	ND (0.0009)	ND (0.001)
TOLUENE	MG/KG	T	45000	MG/KG			ND (0.001)	ND (0.001)					ND (0.053)	0.002 J	ND (0.0009)	ND (0.001)
XYLENES	MG/KG	T	2700	MG/KG			ND (0.001)	ND (0.001)					0.1 J	ND (0.001)	ND (0.0009)	ND (0.001)
NAPHTHALENE	MG/KG	T	18	MG/KG			ND (0.042)	ND (0.038)	ND (0.11) UJ	ND (0.12) UJ			0.094 J	ND (0.04)	ND (0.036)	ND (0.044)
LEAD	MG/KG	T	800	MG/KG			9.18	3.25					5.49	7.69	8.03	13.3
C19 to C36 Aliphatics	MG/KG	T	3000						ND (13) UJ	ND (14) UJ	200	14				
TPH-DRO	MG/KG	T	1000						ND (4.5)	ND (4.7)	630	ND (4.7)				
DRO C10-C28	MG/KG	T			ND (4.8)	6.3 J										

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-8**  
**Summary of Analytical Results - SWMU 18**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB01	S18SB02	S18SB02
				Date	4/24/08	4/25/08	4/24/08	4/24/08
				Top (ft)	0	5	0	1
				Bottom (ft)	2	7	2	3
				Duplicate	FS	FS	FS	FS
ACETONE	MG/KG	T	630000	MG/KG	0.023	0.03	0.1	0.021
METHYL ETHYL KETONE	MG/KG	T	200000	MG/KG	ND (0.004)	ND (0.006)	0.015	ND (0.004)
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.037)	ND (0.042)	0.067 J	ND (0.036)
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	ND (0.037)	ND (0.042)	0.25	ND (0.036)
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	ND (0.037)	ND (0.042)	0.33	ND (0.036)
BENZO(G,H,I)PERYLENE	MG/KG	T			ND (0.037)	ND (0.042)	0.22	ND (0.036)
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	ND (0.037)	ND (0.042)	0.13 J	ND (0.036)
<b>BENZO(A)PYRENE</b>	MG/KG	T	0.21	MG/KG	ND (0.037)	ND (0.042)	<b>^0.23</b>	ND (0.036)
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG	T	120	MG/KG	ND (0.074)	ND (0.085)	ND (0.077)	0.11 J
CARBAZOLE	MG/KG	T			ND (0.037)	ND (0.042)	0.043 J	ND (0.036)
CHRYSENE	MG/KG	T	210	MG/KG	ND (0.037)	ND (0.042)	0.3	ND (0.036)
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.037)	ND (0.042)	0.045 J	ND (0.036)
FLUORANTHENE	MG/KG	T	22000	MG/KG	ND (0.037)	ND (0.042)	0.76	0.046 J
HEXACHLOROBENZENE	MG/KG	T	1.1	MG/KG	0.049 J	ND (0.042)	ND (0.039)	ND (0.036)
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	ND (0.037)	ND (0.042)	0.17 J	ND (0.036)
PHENANTHRENE	MG/KG	T			ND (0.037)	ND (0.042)	0.67	ND (0.036)
PYRENE	MG/KG	T	17000	MG/KG	ND (0.037)	ND (0.042)	0.69	0.044 J
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.0000995		0.000197	
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.0000349		0.0000203	
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.0000216		0.00000377	
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000761 J		0.00000129 J	
1,2,3,4,7,8-HXCDF	MG/KG	T			0.0000154		0.0000032	
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000115 J		0.00000182 J	
1,2,3,6,7,8-HXCDF	MG/KG	T			0.00000212 J		0.00000129 J	
1,2,3,7,8,9-HXCDD	MG/KG	T			0.00000297		0.00000201 J	
1,2,3,7,8,9-HXCDF	MG/KG	T			0.00000115 J		0.000000708 J	
1,2,3,7,8-PECDD	MG/KG	T			0.000000263 EMPC J		0.000000507 J	
1,2,3,7,8-PECDF	MG/KG	T			0.00000206 J		0.000000796 J	
2,3,4,6,7,8-HXCDF	MG/KG	T			0.000000956 J		0.00000101 J	
2,3,4,7,8-PECDF	MG/KG	T			0.000000517 J		0.000000497 J	
2,3,7,8-TCDF	MG/KG	T			0.000000518		0.000000356 J	
HPCDDS	MG/KG	T			0.000221		0.000424	
HXCDDS	MG/KG	T			0.0000557		0.0000457	
HXCDFS	MG/KG	T			0.0000321 EMPC		0.0000134 EMPC	
OCDD	MG/KG	T			0.00951		0.0212 J	
OCDF	MG/KG	T			0.00222		0.000195	
TCDDS	MG/KG	T			0.00000153 EMPC		0.0000012 EMPC	
TCDFS	MG/KG	T			0.00000694 EMPC		0.00000507 EMPC	
TOTAL PECDDS	MG/KG	T			0.00000877 EMPC		0.00000675 EMPC	
TOTAL PECDFS	MG/KG	T			0.0000117 EMPC		0.00000598 EMPC	
PCB 102	MG/KG	T			ND (0.000000233)		0.00000327	
PCB 103	MG/KG	T			ND (0.000000239)		0.000000485 EMPC	
PCB 105	MG/KG	T	0.38	MG/KG	0.00000203		0.0000275	
PCB 109	MG/KG	T			0.000000336		0.00000417	
PCB 110	MG/KG	T			0.00000878		0.000126	
PCB 114	MG/KG	T	0.38	MG/KG	ND (0.000000206)		0.00000148	
PCB 115	MG/KG	T			ND (0.000000196)		0.00000158	
PCB 117	MG/KG	T			ND (0.000000199)		0.00000205	
PCB 118	MG/KG	T	0.38	MG/KG	0.00000409		0.0000546	
PCB 122	MG/KG	T			ND (0.000000214)		0.000000902 EMPC	
PCB 123	MG/KG	T	0.38	MG/KG	ND (0.000000214)		0.00000128 EMPC	
PCB 126	MG/KG	T	0.00011	MG/KG	ND (0.000000192)		0.000000914 J	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-8**  
**Summary of Analytical Results - SWMU 18**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB01	S18SB02	S18SB02
				Date	4/24/08	4/25/08	4/24/08	4/24/08
				Top (ft)	0	5	0	1
				Bottom (ft)	2	7	2	3
				Duplicate	FS	FS	FS	FS
PCB 130	MG/KG	T			0.00000552	EMPC	0.00000787	
PCB 131	MG/KG	T			ND (0.00000207)		0.00000175	
PCB 132	MG/KG	T			0.00000282		0.0000498	
PCB 133	MG/KG	T			ND (0.00000195)		0.00000161	
PCB 134	MG/KG	T			0.00000409		0.00000716	
PCB 136	MG/KG	T			0.00000091		0.0000179	
PCB 137	MG/KG	T			0.000000313	EMPC	0.00000453	
PCB 141	MG/KG	T			0.00000134		0.0000371	
PCB 144	MG/KG	T			0.000000367		0.00000851	
PCB 146	MG/KG	T			0.000000895	EMPC	0.0000194	
PCB 154	MG/KG	T			ND (0.000000158)		0.000000624	
PCB 158	MG/KG	T			0.000000886		0.0000172	
PCB 162	MG/KG	T			ND (0.000000176)		0.000000407	EMPC
PCB 164	MG/KG	T			0.000000563		0.0000116	
PCB 167	MG/KG	T	0.38	MG/KG	0.000000437	J	0.00000612	
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.000000211)		0.000000632	J
PCB 170	MG/KG	T			0.00000202		0.0000606	
PCB 172	MG/KG	T			0.000000424	EMPC	0.0000101	
PCB 174	MG/KG	T			0.00000183		0.0000591	
PCB 175	MG/KG	T			ND (0.000000273)		0.0000025	
PCB 176	MG/KG	T			0.00000029		0.00000735	
PCB 177	MG/KG	T			0.000000941		0.0000321	
PCB 178	MG/KG	T			0.00000057		0.0000124	
PCB 179	MG/KG	T			0.000000924		0.0000242	
PCB 181	MG/KG	T			ND (0.000000277)		0.000000395	
PCB 183	MG/KG	T			0.00000127		0.0000332	
PCB 185	MG/KG	T			0.000000359		0.00000674	
PCB 187	MG/KG	T			0.00000348		0.0000712	
PCB 189	MG/KG	T	0.38	MG/KG	0.00000041	J	0.00000277	
PCB 190	MG/KG	T			0.00000045		0.0000133	
PCB 191	MG/KG	T			ND (0.000000229)		0.00000259	
PCB 194	MG/KG	T			0.00000426		0.0000389	
PCB 195	MG/KG	T			0.00000063		0.0000143	
PCB 196	MG/KG	T			0.00000244		0.0000217	
PCB 197	MG/KG	T			0.000000608		0.00000227	
PCB 2	MG/KG	T			0.000000635		0.0000013	
PCB 200	MG/KG	T			0.000000517		0.00000581	
PCB 201	MG/KG	T			0.00000133		0.0000062	
PCB 202	MG/KG	T			0.00000204		0.0000105	
PCB 203	MG/KG	T			0.00000514		0.0000324	
PCB 205	MG/KG	T			0.00000158	J	0.0000025	
PCB 206	MG/KG	T			0.00000414		0.0000623	
PCB 207	MG/KG	T			0.0000122		0.000015	
PCB 208	MG/KG	T			0.0000214		0.0000234	
PCB 209	MG/KG	T			0.0017		0.000457	
PCB 3	MG/KG	T			0.000000903	B	0.00000192	
PCB 35	MG/KG	T			0.000000243	EMPC	ND (0.000000662)	
PCB 37	MG/KG	T			0.00000179	B	0.00000703	
PCB 41	MG/KG	T			0.000000743	B	0.00000269	
PCB 42	MG/KG	T			0.0000019	B	0.0000107	
PCB 43	MG/KG	T			ND (0.000000226)		0.000000953	
PCB 45	MG/KG	T			0.00000192	B	0.0000111	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-8**  
**Summary of Analytical Results - SWMU 18**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB01	S18SB02	S18SB02
				Date	4/24/08	4/25/08	4/24/08	4/24/08
				Top (ft)	0	5	0	1
				Bottom (ft)	2	7	2	3
				Duplicate	FS	FS	FS	FS
PCB 46	MG/KG	T			0.00000745	EMPC	0.00000465	
PCB 48	MG/KG	T			0.00000123	B	0.00000447	
PCB 51	MG/KG	T			0.00000497	B	0.0000021	
PCB 52	MG/KG	T			0.00000798	B	0.0000435	
PCB 54	MG/KG	T			ND (0.00000109)		0.00000163	
PCB 55	MG/KG	T			ND (0.00000164)		0.00000045	
PCB 56	MG/KG	T			0.00000193		0.0000186	
PCB 60	MG/KG	T			0.00000149		0.0000105	
PCB 63	MG/KG	T			ND (0.00000148)		0.000000989	
PCB 64	MG/KG	T			0.00000344		0.0000276	
PCB 66	MG/KG	T			0.00000457		0.0000336	
PCB 67	MG/KG	T			ND (0.00000146)		0.000000657	
PCB 7	MG/KG	T			0.00000324		0.00000396	J
PCB 77	MG/KG	T	0.11	MG/KG	0.00000763	J	0.00000572	
PCB 79	MG/KG	T			ND (0.00000143)		0.000000676	
PCB 82	MG/KG	T			0.000000949		0.0000126	
PCB 83	MG/KG	T			0.00000455	EMPC	0.00000405	
PCB 84	MG/KG	T			0.00000274		0.0000323	
PCB 88	MG/KG	T			ND (0.00000266)		0.00000113	
PCB 89	MG/KG	T			ND (0.00000028)		0.00000209	
PCB 91	MG/KG	T			0.00000143		0.0000147	
PCB 92	MG/KG	T			0.00000103		0.0000137	
PCB 94	MG/KG	T			ND (0.00000282)		0.000000651	EMPC
PCB 95	MG/KG	T			0.00000664		0.0000804	
PCB 96	MG/KG	T			0.00000148		0.00000102	
PCB 99	MG/KG	T			0.00000254	B	0.000029	
PCB-100/93	MG/KG	T			ND (0.00000258)		0.000000943	
PCB-107/124	MG/KG	T			ND (0.00000209)		0.00000241	
PCB-108/119/86/97/125/87	MG/KG	T			0.00000408	B	0.00005	
PCB-113/90/101	MG/KG	T			0.00000499	B	0.0000767	
PCB-116/85	MG/KG	T			0.00000109		0.000013	
PCB-128/166	MG/KG	T			0.00000157		0.0000206	
PCB-13/12	MG/KG	T			0.000000594	J	0.00000111	J
PCB-139/140	MG/KG	T			ND (0.00000181)		0.00000133	EMPC
PCB-147/149	MG/KG	T			0.00000553		0.000121	
PCB-151/135	MG/KG	T			0.00000237		0.0000515	
PCB-153/168	MG/KG	T			0.00000447		0.00012	
PCB-156/157	MG/KG	T			0.000000922	J	0.0000157	
PCB-163/138/129	MG/KG	T			0.00000073		0.000164	
PCB-171/173	MG/KG	T			0.000000544		0.0000171	
PCB-180/193	MG/KG	T			0.00000521		0.000142	
PCB-198/199	MG/KG	T			0.00000782		0.0000565	
PCB-44/47/65	MG/KG	T			0.0000079	B	0.0000382	
PCB-50/53	MG/KG	T			0.00000175		0.0000105	
PCB-59/62/75	MG/KG	T			0.000000614		0.00000384	
PCB-61/70/74/76	MG/KG	T			0.00000767		0.0000595	
PCB-69/49	MG/KG	T			0.00000343	B	0.0000153	
PCB-71/40	MG/KG	T			0.000003	B	0.00002	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000187	EMPC	0.000497	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000317	EMPC	0.000686	EMPC
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00000225	B	0.00000411	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000075		0.000101	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-8**  
**Summary of Analytical Results - SWMU 18**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S18SB01	S18SB01	S18SB02	S18SB02
				Date	4/24/08	4/25/08	4/24/08	4/24/08
				Top (ft)	0	5	0	1
				Bottom (ft)	2	7	2	3
				Duplicate	FS	FS	FS	FS
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000264		0.000191	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000413 EMPC		0.000559 EMPC	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0000516 EMPC		0.000326	
ALUMINUM	MG/KG	T	990000	MG/KG	17000	23300	17000	13900
ANTIMONY	MG/KG	T	410	MG/KG	ND (0.987) UJ	ND (1.12) UJ	ND (1.01) UJ	1.68 J
ARSENIC	MG/KG	T	1.6	MG/KG	^3.62 J	^4.54 J	^3.2 J	^5.79 J
BARIUM	MG/KG	T	190000	MG/KG	72.5	49.2	48.6	124
BERYLLIUM	MG/KG	T	2000	MG/KG	0.425 J	0.51 J	0.374 J	0.615
CADMIUM	MG/KG	T	800	MG/KG	0.519 J	0.581 J	0.558	1.85
CALCIUM	MG/KG	T			3960	979	1870	589
CHROMIUM	MG/KG	T			31.4 J	33.2 J	28.3 J	25.7 J
COBALT	MG/KG	T	300	MG/KG	7.28	6.35	5.26	33.3
COPPER	MG/KG	T	41000	MG/KG	17	11.8	13.5	10.3
IRON	MG/KG	T	720000	MG/KG	21600	27200	21900	59300
LEAD	MG/KG	T	800	MG/KG	14.6	9.17	22.9	4.94
MAGNESIUM	MG/KG	T			3600	2570	2190	502
MANGANESE	MG/KG	T	23000	MG/KG	293	153	153	1280
MERCURY	MG/KG	T	43	MG/KG	0.029 J	0.027 J	0.113	0.0224 J
NICKEL	MG/KG	T	20000	MG/KG	15.8	13.6	11.6	14.9
POTASSIUM	MG/KG	T			2570 J	2110 J	1780 J	550 J
SILVER	MG/KG	T	5100	MG/KG	0.316 J	0.356 J	0.269 J	0.258 J
SODIUM	MG/KG	T			370	385	221	93.8 J
THALLIUM	MG/KG	T	10	MG/KG	ND (0.166) UJ	ND (0.185) UJ	ND (0.171) UJ	0.237 J
TITANIUM	MG/KG	T			1070	987	1390	656
VANADIUM	MG/KG	T			42	50.9	38.6	32.1
ZINC	MG/KG	T	310000	MG/KG	39	36.7	44.2	41.6
TOTAL ORGANIC CARBON	MG/KG	T			ND (443)	ND (385)	1460	ND (427)
HPCDFS	MG/KG	T			0.0000833		0.0000325	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-9**  
**Summary of Analytical Results - SWMU 20**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB01	S20SB01	S20SB02	S20SB02	S20SB03	S20SB04	S20SB04	S20SB05	S20SB05	S20SB06	S20SB06	S20SB07	S20SB07	S20SB08	S20SB08	S20SB09	S20SB09	S20SB10		
				Date	4/30/08	4/30/08	4/30/08	4/30/08	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	5/17/10	6/2/10	6/2/10	6/2/10	6/2/10	6/3/10
				Top (ft)	8	17	0	14	0	0	5	0	7	0	8	0	2	0	4.5	0	8	0		
				Bottom (ft)	10	18	2	16	2	2	7	2	9	2	10	2	4	2	6.5	2	10	2		
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL ORGANIC CARBON	MG/KG	T		ND (366)	ND (496)	1100	ND (415)																	
TPH-DRO	MG/KG	T	1000	ND (4.4)	ND (4.8)	14	ND (4.5)																	
ORO >C28 - C35	MG/KG	T	3000					310	53	ND (4.5)	270	36	280	4500	450	1100	79	1700	180	ND (4.3)	52			

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-9**  
**Summary of Analytical Results - SWMU 20**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB10	S20SB11	S20SB11	S20SB12	S20SB12	S20SB13	S20SB13	S20SB14	S20SB14	S20SB15	S20SB15	S20SB15	S20SB15	S20SB16	S20SB16	S20SB17	S20SB17	S20SB18		
				Date	6/3/10	6/3/10	6/3/10	6/3/10	6/3/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/4/10	6/7/10	6/7/10	6/7/10
				Top (ft)	4	0	10	0	10	0	9	0	10	0	0	0	8	8	0	5	0	10	0	
				Bottom (ft)	6	2	12	2	12	2	11	2	12	2	2	2	10	10	2	7	2	12	2	
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	DUP	FS	DUP	FS	FS	FS	FS	FS	FS
TOTAL ORGANIC CARBON	MG/KG	T																						
TPH-DRO	MG/KG	T	1000																					
ORO >C28 - C35	MG/KG	T	3000	ND (4.6)	83	ND (4.3)	82	ND (4.2)	97	ND (4.2)	40	ND (4.2)	33	39	ND (4.2)	ND (4.2)	100	ND (4.6)	31	ND (4.4)	50			

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-9**  
**Summary of Analytical Results - SWMU 20**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S20SB18
				Date	6/7/10
				Top (ft)	7
				Bottom (ft)	9
				Duplicate	FS
TOTAL ORGANIC CARBON	MG/KG	T			
TPH-DRO	MG/KG	T	1000		
ORO >C28 - C35	MG/KG	T	3000		ND (4.4)

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-10**  
**Summary of Analytical Results - SWMU 23**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S23SB01	S23SB02	S23SB02	S23SB03
				Date	5/14/08	5/14/08	5/14/08	5/18/10
				Top (ft)	3	2	5	5
				Bottom (ft)	5	4	7	7
				Duplicate	FS	FS	FS	FS
ACETONE	MG/KG	T	630000	MG/KG	0.014 J	0.025	0.01 J	
CARBON DISULFIDE	MG/KG	T	3700	MG/KG	0.005	ND (0.001)	ND (0.001)	
CIS-1,2 DICHLOROETHENE	MG/KG	T	2000	MG/KG	0.001 J	ND (0.001)	ND (0.001)	
TETRACHLOROETHYLENE	MG/KG	T	2.6	MG/KG	0.006	ND (0.001)	ND (0.001)	
TRANS-1,2-DICHLOROETHENE	MG/KG	T	690	MG/KG	0.001 J	ND (0.001)	ND (0.001)	
TRICHLOROETHENE	MG/KG	T	14	MG/KG	0.007	ND (0.001)	ND (0.001)	
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.049 J	ND (0.041)	ND (0.037)	
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.066 J	ND (0.041)	ND (0.037)	
BENZO(A)PYRENE	MG/KG	T	0.21	MG/KG	0.041 J	ND (0.041)	ND (0.037)	
CHRYSENE	MG/KG	T	210	MG/KG	0.051 J	ND (0.041)	ND (0.037)	
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.11 J	ND (0.041)	ND (0.037)	
PHENANTHRENE	MG/KG	T			0.046 J	ND (0.041)	ND (0.037)	
PYRENE	MG/KG	T	17000	MG/KG	0.13 J	ND (0.041)	ND (0.037)	
1,2,3,4,6,7,8-HPCDD	MG/KG	T			0.000148	0.0000198		
1,2,3,4,6,7,8-HPCDF	MG/KG	T			0.000028	0.000000377 EMPC J		
1,2,3,4,7,8,9-HPCDF	MG/KG	T			0.00000446 EMPC	ND (0.000000399)		
1,2,3,4,7,8-HXCDD	MG/KG	T			0.000000485 EMPC J	0.000000317 EMPC J		
1,2,3,4,7,8-HXCDF	MG/KG	T			0.00000237 J	ND (0.000000216)		
1,2,3,6,7,8-HXCDD	MG/KG	T			0.00000257	0.000000644 J		
1,2,3,6,7,8-HXCDF	MG/KG	T			0.000000786 J	ND (0.000000152)		
1,2,3,7,8,9-HXCDD	MG/KG	T			0.000000886 J	0.00000114 J		
1,2,3,7,8,9-HXCDF	MG/KG	T			0.000000487 EMPC J	ND (0.000000327)		
1,2,3,7,8-PECDF	MG/KG	T			0.000000766 J	ND (0.000000196)		
2,3,4,6,7,8-HXCDF	MG/KG	T			0.00000106 J	ND (0.000000204)		
2,3,4,7,8-PECDF	MG/KG	T			0.000000821 J	ND (0.000000165)		
2,3,7,8-TCDF	MG/KG	T			0.000000964	ND (0.000000153)		
HPCDDS	MG/KG	T			0.000266	0.0000461		
HXCDDS	MG/KG	T			0.0000174 EMPC	0.0000537 EMPC		
HXCDFS	MG/KG	T			0.0000239 EMPC	0.000000225 EMPC		
OCDD	MG/KG	T			0.00204	0.00104		
OCDF	MG/KG	T			0.000498	0.00000875		
TCDDS	MG/KG	T			0.000000997 EMPC	0.00000184 EMPC		
TCDFS	MG/KG	T			0.0000111 EMPC	0.000000385 EMPC		
TOTAL PECDDS	MG/KG	T			0.00000265 EMPC	0.0000159 EMPC		
TOTAL PECDFS	MG/KG	T			0.00000723 EMPC	ND (0.00000018)		
PCB 1	MG/KG	T			0.000101	ND (0.00000117)		
PCB 10	MG/KG	T			0.0000806 J	ND (0.000000229) UJ		
PCB 102	MG/KG	T			0.000698	ND (0.000000295)		
PCB 103	MG/KG	T			0.0000838	ND (0.000000276)		
PCB 104	MG/KG	T			0.00000439 EMPC	ND (0.000000133)		
PCB 105	MG/KG	T	0.38	MG/KG	0.00642 J	0.000000563 B		
PCB 106	MG/KG	T			0.000042	ND (0.000000241)		
PCB 109	MG/KG	T			0.00088	ND (0.000000225)		
PCB 11	MG/KG	T			0.00012 J	0.00000728 B		
PCB 110	MG/KG	T			0.0133	0.00000173 B		
PCB 111	MG/KG	T			0.0000105	ND (0.000000223)		
PCB 112	MG/KG	T			0.0000712	ND (0.000000237)		
PCB 114	MG/KG	T	0.38	MG/KG	0.000417	ND (0.000000232)		
PCB 115	MG/KG	T			0.000324	ND (0.000000239)		
PCB 117	MG/KG	T			0.000269	ND (0.000000237)		
PCB 118	MG/KG	T	0.38	MG/KG	0.0101 J	0.00000104 B		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-10**  
**Summary of Analytical Results - SWMU 23**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S23SB01	S23SB02	S23SB02	S23SB03
				Date	5/14/08	5/14/08	5/14/08	5/18/10
				Top (ft)	3	2	5	5
				Bottom (ft)	5	4	7	7
				Duplicate	FS	FS	FS	FS
PCB 120	MG/KG	T			0.000037	ND (0.00000227)		
PCB 122	MG/KG	T			0.00026	ND (0.00000248)		
PCB 123	MG/KG	T	0.38	MG/KG	0.000331	ND (0.00000239)		
PCB 126	MG/KG	T	0.00011	MG/KG	0.0000578	ND (0.00000197)		
PCB 130	MG/KG	T			0.00061	ND (0.00000234)		
PCB 131	MG/KG	T			0.000107	ND (0.00000232)		
PCB 132	MG/KG	T			0.00299	0.00000061		
PCB 133	MG/KG	T			0.000167	ND (0.00000219)		
PCB 134	MG/KG	T			0.000449	ND (0.00000237)		
PCB 136	MG/KG	T			0.00141	0.00000231 EMPC		
PCB 137	MG/KG	T			0.000191	ND (0.00000201)		
PCB 14	MG/KG	T			0.00000118 J	ND (0.00000294) UJ		
PCB 141	MG/KG	T			0.00213	ND (0.00000217)		
PCB 142	MG/KG	T			0.0000268	ND (0.00000236)		
PCB 143	MG/KG	T			0.0000202	ND (0.00000227)		
PCB 144	MG/KG	T			0.000597	ND (0.00000201)		
PCB 145	MG/KG	T			0.00000319	ND (0.00000153)		
PCB 146	MG/KG	T			0.0017	ND (0.000002)		
PCB 148	MG/KG	T			0.00000259	ND (0.0000021)		
PCB 15	MG/KG	T			0.0173 J	0.00000318 B		
PCB 150	MG/KG	T			0.00000465	ND (0.00000151)		
PCB 152	MG/KG	T			0.00000689	ND (0.00000146)		
PCB 154	MG/KG	T			0.0000266	ND (0.00000179)		
PCB 158	MG/KG	T			0.000831	ND (0.00000151)		
PCB 16	MG/KG	T			0.00971	0.00000293 B		
PCB 162	MG/KG	T			0.0000202	ND (0.00000182)		
PCB 164	MG/KG	T			0.000677	ND (0.00000166)		
PCB 167	MG/KG	T	0.38	MG/KG	0.00029	ND (0.00000192)		
PCB 169	MG/KG	T	0.00038	MG/KG	ND (0.00000818)	0.00000385 J		
PCB 17	MG/KG	T			0.0107	0.00000296 B		
PCB 170	MG/KG	T			0.0033	0.00000456		
PCB 172	MG/KG	T			0.000738	ND (0.00000305)		
PCB 174	MG/KG	T			0.00518	0.00000465		
PCB 175	MG/KG	T			0.000214	ND (0.00000273)		
PCB 176	MG/KG	T			0.000575	ND (0.00000179)		
PCB 177	MG/KG	T			0.00279	ND (0.00000301)		
PCB 178	MG/KG	T			0.000839	ND (0.00000252)		
PCB 179	MG/KG	T			0.00187	0.00000256		
PCB 181	MG/KG	T			0.000022	ND (0.00000273)		
PCB 182	MG/KG	T			0.000009	ND (0.00000261)		
PCB 183	MG/KG	T			0.00285	ND (0.00000252)		
PCB 184	MG/KG	T			0.00000103	ND (0.00000192)		
PCB 185	MG/KG	T			0.000551	ND (0.00000294)		
PCB 187	MG/KG	T			0.00575	0.00000641 EMPC		
PCB 188	MG/KG	T			0.000000966	ND (0.0000016)		
PCB 189	MG/KG	T	0.38	MG/KG	0.000109	ND (0.00000178)		
PCB 19	MG/KG	T			0.00222	0.00000062 B		
PCB 190	MG/KG	T			0.000697	ND (0.00000232)		
PCB 191	MG/KG	T			0.000174	ND (0.00000217)		
PCB 194	MG/KG	T			0.00209	0.000000511		
PCB 195	MG/KG	T			0.000888	ND (0.0000027)		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-10**  
**Summary of Analytical Results - SWMU 23**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S23SB01	S23SB02	S23SB02	S23SB03
				Date	5/14/08	5/14/08	5/14/08	5/18/10
				Top (ft)	3	2	5	5
				Bottom (ft)	5	4	7	7
				Duplicate	FS	FS	FS	FS
PCB 196	MG/KG	T			0.00115	ND (0.000000265)		
PCB 197	MG/KG	T			0.0000762	ND (0.000000187)		
PCB 2	MG/KG	T			0.0000532	ND (0.000000167)		
PCB 200	MG/KG	T			0.000338	ND (0.000000201)		
PCB 201	MG/KG	T			0.000306	ND (0.00000019)		
PCB 202	MG/KG	T			0.000428	ND (0.00000019)		
PCB 203	MG/KG	T			0.00151	ND (0.000000245)		
PCB 205	MG/KG	T			0.000103	ND (0.000000201)		
PCB 206	MG/KG	T			0.00092	0.000000392		
PCB 207	MG/KG	T			0.000104	ND (0.000000225)		
PCB 208	MG/KG	T			0.00024	0.000000256		
PCB 209	MG/KG	T			0.00163	0.00000894		
PCB 22	MG/KG	T			0.0274 J	0.0000022 B		
PCB 23	MG/KG	T			0.0000289	ND (0.000000215)		
PCB 24	MG/KG	T			0.000347	ND (0.000000221)		
PCB 25	MG/KG	T			0.00439	0.000000525 B		
PCB 27	MG/KG	T			0.0021	0.000000454 B		
PCB 3	MG/KG	T			0.000438	ND (0.000000168)		
PCB 31	MG/KG	T			0.0553 J	0.00000533 B		
PCB 32	MG/KG	T			0.0138	0.00000193 B		
PCB 34	MG/KG	T			0.000315	ND (0.00000021)		
PCB 35	MG/KG	T			0.00128	ND (0.000000228)		
PCB 37	MG/KG	T			0.0346 J	0.0000011 B		
PCB 38	MG/KG	T			0.0000622	ND (0.000000224)		
PCB 4	MG/KG	T			0.000776 J	0.00000289 B		
PCB 41	MG/KG	T			0.00706	0.000000381 B		
PCB 42	MG/KG	T			0.0178	0.000000611 B		
PCB 43	MG/KG	T			0.00228	ND (0.000000296)		
PCB 45	MG/KG	T			0.01	0.000000428 B		
PCB 46	MG/KG	T			0.00391	ND (0.000000272)		
PCB 48	MG/KG	T			0.0111	0.000000551 B		
PCB 5	MG/KG	T			0.0000659 J	0.000000674 B		
PCB 51	MG/KG	T			0.00221	ND (0.00000022)		
PCB 52	MG/KG	T			0.0465	0.00000257 B		
PCB 54	MG/KG	T			0.0000999	ND (0.00000014)		
PCB 55	MG/KG	T			0.00133	ND (0.000000209)		
PCB 56	MG/KG	T			0.031	0.000000613 B		
PCB 57	MG/KG	T			0.00034	ND (0.000000199)		
PCB 58	MG/KG	T			0.000161	ND (0.0000002)		
PCB 6	MG/KG	T			0.000859 J	0.00000157 B		
PCB 60	MG/KG	T			0.0163	0.000000439		
PCB 63	MG/KG	T			0.00193	ND (0.000000188)		
PCB 64	MG/KG	T			0.0241	0.000000986 B		
PCB 66	MG/KG	T			0.0521 J	0.00000111 B		
PCB 67	MG/KG	T			0.00244	ND (0.000000189)		
PCB 68	MG/KG	T			0.000169	ND (0.000000185)		
PCB 7	MG/KG	T			0.00016 J	0.000000373 J		
PCB 72	MG/KG	T			0.000293	ND (0.000000189)		
PCB 73	MG/KG	T			0.0000795	ND (0.00000017)		
PCB 77	MG/KG	T	0.11	MG/KG	0.00717 J	0.000000368 J		
PCB 78	MG/KG	T			0.0000159	ND (0.000000217)		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-10**  
**Summary of Analytical Results - SWMU 23**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S23SB01	S23SB02	S23SB02	S23SB03
				Date	5/14/08	5/14/08	5/14/08	5/18/10
				Top (ft)	3	2	5	5
				Bottom (ft)	5	4	7	7
				Duplicate	FS	FS	FS	FS
PCB 79	MG/KG	T			0.000195	ND (0.000000182)		
PCB 8	MG/KG	T			0.00602 J	0.00000823 B		
PCB 81	MG/KG	T	0.038	MG/KG	0.000361	ND (0.000000215)		
PCB 82	MG/KG	T			0.00331	ND (0.000000362)		
PCB 83	MG/KG	T			0.000951	ND (0.00000036)		
PCB 84	MG/KG	T			0.0045	0.000000572 B		
PCB 88	MG/KG	T			0.000136	ND (0.000000328)		
PCB 89	MG/KG	T			0.000515	ND (0.00000032)		
PCB 9	MG/KG	T			0.000183 J	0.00000205 B		
PCB 91	MG/KG	T			0.00234	ND (0.000000274)		
PCB 92	MG/KG	T			0.00221	ND (0.000000308)		
PCB 94	MG/KG	T			0.000141	ND (0.000000322)		
PCB 95	MG/KG	T			0.00914	0.00000155 B		
PCB 96	MG/KG	T			0.000251	ND (0.000000154)		
PCB 98	MG/KG	T			0.0000484	ND (0.000000292)		
PCB 99	MG/KG	T			0.00582	0.0000008 B		
PCB-100/93	MG/KG	T			0.000213	ND (0.00000029)		
PCB-107/124	MG/KG	T			0.000401	ND (0.000000239)		
PCB-108/119/86/97/125/87	MG/KG	T			0.0108	0.00000128 B		
PCB-113/90/101	MG/KG	T			0.0118	0.00000149 B		
PCB-116/85	MG/KG	T			0.00346	ND (0.000000265)		
PCB-128/166	MG/KG	T			0.00105	ND (0.000000212)		
PCB-13/12	MG/KG	T			0.00121 J	ND (0.00000036) UJ		
PCB-139/140	MG/KG	T			0.0000837	ND (0.000000205)		
PCB-147/149	MG/KG	T			0.00825	0.00000123 B		
PCB-151/135	MG/KG	T			0.00383	0.000000567 B		
PCB-153/168	MG/KG	T			0.00857	0.000000838 B		
PCB-156/157	MG/KG	T			0.000776	0.000000384 J		
PCB-163/138/129	MG/KG	T			0.00966	0.0000011 B		
PCB-171/173	MG/KG	T			0.00141	ND (0.000000309)		
PCB-180/193	MG/KG	T			0.00773	0.000000915 B		
PCB-198/199	MG/KG	T			0.0026	0.000000342		
PCB-21/33	MG/KG	T			0.0351 J	0.00000392 B		
PCB-26/29	MG/KG	T			0.00823	0.00000115 B		
PCB-28/20	MG/KG	T			0.08 J	0.00000654 B		
PCB-30/18	MG/KG	T			0.0175	0.00000576 B		
PCB-44/47/65	MG/KG	T			0.0548	0.00000282 B		
PCB-50/53	MG/KG	T			0.00766	0.000000612 B		
PCB-59/62/75	MG/KG	T			0.00623	ND (0.000000172)		
PCB-61/70/74/76	MG/KG	T			0.0757 J	0.00000244 B		
PCB-69/49	MG/KG	T			0.0276	0.00000132 B		
PCB-71/40	MG/KG	T			0.03	0.00000104 B		
Total PCBs					0.541706196			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0267	0.0000263 B		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0348	0.00000273 EMPC		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0444	0.00000534 B		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.000592	ND (0.000000668)		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00126	0.000000647		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.00948	0.000000853		
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.0894 EMPC	0.00000903 B		
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.441 J	0.0000163 B		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-10**  
**Summary of Analytical Results - SWMU 23**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S23SB01	S23SB02	S23SB02	S23SB03
				Date	5/14/08	5/14/08	5/14/08	5/18/10
				Top (ft)	3	2	5	5
				Bottom (ft)	5	4	7	7
				Duplicate	FS	FS	FS	FS
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	MG/KG	T			0.303 J	0.0000354 B		
ALUMINUM	MG/KG	T	990000	MG/KG	6740	18400	14600	12400
ARSENIC	MG/KG	T	11	MG/KG	^6.39 J	^4.36 J	^13.4 J	ND (1.14)
BARIIUM	MG/KG	T	190000	MG/KG	65.1	42	49	6.99
BERYLLIUM	MG/KG	T	2000	MG/KG	0.428 J	0.721	0.797	0.707
CADMIUM	MG/KG	T	800	MG/KG	1.04	1.42	3.62	0.479 J
CALCIUM	MG/KG	T			26400 J	805 J	435 J	895
CHROMIUM	MG/KG	T			32.9	28.8	30.9	72.6
COBALT	MG/KG	T	300	MG/KG	ND (0.76)	5.62	33	1.83
COPPER	MG/KG	T	41000	MG/KG	21.6	12	22.5	37.6
IRON	MG/KG	T	720000	MG/KG	15600	29300	94500	60100
LEAD	MG/KG	T	800	MG/KG	42.5	8.79	7.53	8.79
MAGNESIUM	MG/KG	T			3060	3160	704	311
MANGANESE	MG/KG	T	23000	MG/KG	236 J	417 J	279 J	26.1
MERCURY	MG/KG	T	43	MG/KG	0.147	0.0166 J	0.0168 J	ND (0.0133)
NICKEL	MG/KG	T	20000	MG/KG	13.9	15.7	22.5	5.52
POTASSIUM	MG/KG	T			1650 J	1990 J	707 J	214
SELENIUM	MG/KG	T	5100	MG/KG	ND (1.15)	ND (1.14)	1.63 J	ND (1.18)
SILVER	MG/KG	T	5100	MG/KG	0.468 J	ND (0.199)	0.317 J	4.23
SODIUM	MG/KG	T			283	132 B	193 B	66.9 J
THALLIUM	MG/KG	T	10	MG/KG	0.346 J	ND (0.182)	ND (0.166)	3.97
TITANIUM	MG/KG	T			1110	1230	383	783 J
VANADIUM	MG/KG	T			22.8	45.7	44.9	153
ZINC	MG/KG	T	310000	MG/KG	64.8	35.9	47.3	5.8
HPCDFS	MG/KG	T			0.000127 EMPC	0.000000377 EMPC		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-11**  
**Summary of Analytical Results - SWMU 25**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S25SB01	S25SB01	S25SB02	S25SB02
				Date	5/18/10	5/18/10	5/18/10	5/18/10
				Top (ft)	0	6	1	7
				Bottom (ft)	2	8	3	8
				Duplicate	FS	FS	FS	FS
ALUMINUM	MG/KG	T	990000	MG/KG	16100	12000	19400	34900
ARSENIC	MG/KG	T	11	MG/KG	^4.25	^2.04 J	^5.9	^5.33
BARIUM	MG/KG	T	190000	MG/KG	40.6	7.26	44.2	65.1
BERYLLIUM	MG/KG	T	2000	MG/KG	0.57	0.266 J	0.572 J	0.853
CADMIUM	MG/KG	T	800	MG/KG	0.536 J	0.563	0.55 J	0.703
CALCIUM	MG/KG	T			4860	81.2	824	997
CHROMIUM	MG/KG	T			23.9	10.5	28.9	25.8
COBALT	MG/KG	T	300	MG/KG	6.85	13	5.7	6.53
COPPER	MG/KG	T	41000	MG/KG	16.8	3.39	13.2	18.1
IRON	MG/KG	T	720000	MG/KG	20900	28500	25500	34600
LEAD	MG/KG	T	800	MG/KG	15.1	2.17	13.2	4.49
MAGNESIUM	MG/KG	T			1690	121	2500	938
MANGANESE	MG/KG	T	23000	MG/KG	159	60.6	182	87.3
NICKEL	MG/KG	T	20000	MG/KG	10.6	7.99	11.3	15.6
POTASSIUM	MG/KG	T			1370	158	1530	748
SILVER	MG/KG	T	5100	MG/KG	0.769	1.5	0.929	2.01
SODIUM	MG/KG	T			1570	438	1110	431
THALLIUM	MG/KG	T	10	MG/KG	ND (1.64)	1.59 J	ND (1.7)	2.38 J
TITANIUM	MG/KG	T			707 J	91.7 J	839 J	437 J
VANADIUM	MG/KG	T			35.5	15.8	42.3	70.8
ZINC	MG/KG	T	310000	MG/KG	31.7	18.9	55.7	24.2

FED\_MCL

< and ND = Non detect at stated reporting limit

**Table B-12**  
**Summary of Analytical Results - SWMU 27**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	S27SB01	S27SB01	S27SB02	S27SB02	S27SB02	S27SB03VD	S27SB04	S27SB04	S27SB04VD	S27SB06	S27SB06	
				Date	5/8/08	5/8/08	5/8/08	5/8/08	5/8/08	5/28/08	5/8/08	5/8/08	5/28/08	5/28/08	5/28/08	5/28/08
				Top (ft)	0	2	0	3	3	2.5	0	3.5	3	1	3	
				Bottom (ft)	2	4	2	5	5	4.5	2	5	5	3	5	
				Duplicate	FS	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS	
ANTHRACENE	MG/KG	T	170000	MG/KG	ND (0.038)	ND (0.039)	0.058 J	ND (0.038)	ND (0.037)	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
BENZO(A)ANTHRACENE	MG/KG	T	2.1	MG/KG	0.048 J	ND (0.039)	0.28	0.078 J	0.061 J	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
BENZO(B)FLUORANTHENE	MG/KG	T	2.1	MG/KG	0.091 J	ND (0.039)	0.41	0.12 J	0.08 J	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
BENZO(G,H,I)PERYLENE	MG/KG	T			0.078 J	0.04 J	0.24	0.07 J	0.05 J		ND (0.038)	ND (0.038)				
BENZO(K)FLUORANTHENE	MG/KG	T	21	MG/KG	0.043 J	ND (0.039)	0.16 J	0.041 J	ND (0.037)	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
BENZO[A]PYRENE	MG/KG	T	0.21	MG/KG	0.069 J	ND (0.039)	^0.3	0.081 J	0.057 J	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
CHRYSENE	MG/KG	T	210	MG/KG	0.039 J	ND (0.039)	0.3	0.07 J	0.051 J	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
DIBENZ(A,H)ANTHRACENE	MG/KG	T	0.21	MG/KG	ND (0.038)	ND (0.039)	0.06 J	ND (0.038)	ND (0.037)		ND (0.038)	ND (0.038)				
FLUORANTHENE	MG/KG	T	22000	MG/KG	0.082 J	0.042 J	0.48	0.12 J	0.09 J	ND (0.04)	ND (0.038)	ND (0.038)	0.088 J	ND (0.039)	0.065 J	
INDENO (1,2,3-CD) PYRENE	MG/KG	T	2.1	MG/KG	0.055 J	ND (0.039)	0.23	0.058 J	0.047 J	ND (0.04)	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.039)	ND (0.038)	
PHENANTHRENE	MG/KG	T			ND (0.038)	ND (0.039)	0.26	0.076 J	0.046 J	ND (0.04)	ND (0.038)	ND (0.038)	0.085 J	ND (0.039)	0.04 J	
PYRENE	MG/KG	T	17000	MG/KG	0.085 J	0.042 J	0.41	0.11 J	0.08 J	ND (0.04)	ND (0.038)	ND (0.038)	0.083 J	ND (0.039)	0.057 J	
TOTAL ORGANIC CARBON	MG/KG	T			382 J	ND (202)	ND (273)	ND (194)	ND (279)	ND (294)	ND (286)	ND (162)	2760 J	3900 J	4120 J	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10
				Date	5/16/07	8/21/07	11/13/08	5/16/07	8/22/07	11/13/08	11/13/08	5/16/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
ACETONE	UG/L	T	22000	UG/L	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	ND (6)
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
CHLOROFORM	UG/L	T	0.19	UG/L	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
FLUORANTHENE	UG/L	T	1500	UG/L	ND (0.9)	ND (1)	ND (0.02)	ND (1)	ND (1)	ND (0.019)	ND (0.02) UJ	ND (0.9)	ND (1)
NAPHTHALENE	UG/L	T	0.14	UG/L	^ND (0.9)	^ND (1)	^ND (1)	^ND (1)	^ND (1)	^ND (0.96)	^ND (0.99) UJ	^2 J	^ND (1)
1,2,3,4,6,7,8-HPCDD	UG/L	D					ND (0.00000233)			ND (0.0000012)	ND (0.0000054)		
1,2,3,4,6,7,8-HPCDD	UG/L	T			0.00000252 EMPCJ	ND (0.0000009) U		ND (0.00000225) U	ND (0.00000206) U			0.0000092 J	ND (0.00000191) U
1,2,3,4,6,7,8-HPCDF	UG/L	D					ND (0.000000835)			ND (0.000000388)	ND (0.0000007)		
1,2,3,4,6,7,8-HPCDF	UG/L	T			0.0000035 J	ND (0.0000025) U		ND (0.00000112) U	ND (0.000000422) U			ND (0.000000792) U	ND (0.000000385) U
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.000000666)	ND (0.00000108) U		ND (0.00000172) U	ND (0.000000712) U			ND (0.00000124) U	ND (0.000000682) U
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000617)	ND (0.000000299) U		ND (0.000000286) U	ND (0.000000047) U			ND (0.000000388) U	ND (0.000000029) U
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000079)	ND (0.000000038) U		ND (0.000000381) U	ND (0.000000595) U			ND (0.000000491) U	ND (0.000000338) U
2,3,4,7,8-PECDF	UG/L	T			ND (0.00000112)	ND (0.000000917) U		ND (0.000000839) U	ND (0.000000564) U			ND (0.000000885) U	ND (0.000000604) U
2,3,7,8-TCDF	UG/L	T			ND (0.000000619)	ND (0.000000467) U		ND (0.000000691) U	ND (0.000000392) U			ND (0.000000597) U	ND (0.000000524) U
HPCDDS	UG/L	D					ND (0.00000233)			ND (0.0000012)	ND (0.0000054)		
HPCDDS	UG/L	T			0.00000345	0.00000123 U*		ND (0.00000225) U	ND (0.00000206) U			0.0000217 J	ND (0.00000191) U
HXCDDS	UG/L	T			ND (0.00000141)	ND (0.00000121) U		ND (0.000000953) U	ND (0.000000564) U			ND (0.00000138) U	ND (0.000000517) U
HXCDFS	UG/L	T			ND (0.000000761)	ND (0.000000351) U		ND (0.000000357) U	ND (0.000000544) U			ND (0.000000475) U	ND (0.000000325) U
OCDD	UG/L	D					ND (0.00000457)			ND (0.00000562)	ND (0.00000779)		
OCDD	UG/L	T			0.0000651	ND (0.000005) U		ND (0.0000028) U	ND (0.00000168) U			0.000118	0.00000707 J
OCDF	UG/L	T			0.0000719	0.00000835 J		0.0000105 J	ND (0.00000144) U			0.00000714 EMPC J	ND (0.00000206) U
TCDDS	UG/L	T			0.00000437	0.00000282 J		ND (0.000000399) U	0.000000971 U*			ND (0.000000963) U	0.00000078 U*
TCDFS	UG/L	T			ND (0.000000619)	ND (0.000000467) U		ND (0.000000691) U	ND (0.000000392) U			ND (0.000000597) U	ND (0.000000524) U
TOTAL HPCDD	UG/L	T											
TOTAL HPCDF	UG/L	T											
TOTAL HXCDD	UG/L	T											
TOTAL PECDD	UG/L	T											
TOTAL PECDDS	UG/L	T			ND (0.00000102)	ND (0.00000131) U		ND (0.00000823) U	ND (0.000000802) U			ND (0.00000863) U	ND (0.000000564) U
TOTAL PECDF	UG/L	T											
PCB 1	UG/L	D					ND (0.0000014)			0.00000275 EMPC	0.00000358		
PCB 1	UG/L	T			0.00000582 B	ND (0.000000963) U		ND (0.00000247) U	ND (0.00000103) U			ND (0.00000192) U	0.0000112
PCB 10	UG/L	T			ND (0.0000033)	ND (0.00000108) U		ND (0.00000275) U	ND (0.00000139) U			ND (0.00000372) U	ND (0.00000147) U
PCB 105	UG/L	D	0.017	UG/L			ND (0.00000145)			ND (0.000000944)	ND (0.000000863)		
PCB 105	UG/L	T	0.017	UG/L	0.00000656 B	0.00000335 U*		0.00000298 U*	ND (0.00000127) U			ND (0.00000158) U	0.00000191 U*
PCB 109	UG/L	D					ND (0.00000124)			ND (0.000000797)	ND (0.000000695)		
PCB 109	UG/L	T			0.00000369 B	ND (0.000000782) U		ND (0.00000116) U	ND (0.000000999) U			ND (0.00000132) U	ND (0.000000955) U
PCB 11	UG/L	T			0.0000365 B	0.0000555 U*		0.0000722 U*	0.0000243 U*			0.0000513 U*	0.0000097 U*
PCB 110	UG/L	T			0.0000206 B	0.00000679 U*		0.0000113 U*	0.00000633 U*			0.0000077 U*	0.00000561 U*
PCB 117	UG/L	T			ND (0.00000146)	ND (0.000000948) U		ND (0.00000176) U	ND (0.00000121) U			ND (0.000002) U	ND (0.00000116) U
PCB 118	UG/L	T	0.017	UG/L	0.0000126 B	0.00000537 U*		0.0000054 U*	0.00000323 U*			0.00000567 U*	0.00000337 U*
PCB 130	UG/L	D					ND (0.00000195)			ND (0.00000109)	ND (0.00000102)		
PCB 130	UG/L	T			0.00001 B	ND (0.00000131) U		ND (0.00000157) U	ND (0.00000139) U			ND (0.00000185) U	ND (0.00000157) U
PCB 132	UG/L	D					ND (0.00000168)			ND (0.000000935)	ND (0.000000876)		
PCB 132	UG/L	T			0.00000685 B	0.00000194 U*		ND (0.00000133) U	ND (0.00000115) U			ND (0.00000156) U	ND (0.0000013) U
PCB 134	UG/L	T			ND (0.00000187)	ND (0.00000142) U		ND (0.00000182) U	ND (0.00000151) U			ND (0.00000214) U	ND (0.0000017) U
PCB 136	UG/L	T			ND (0.00000116)	0.00000112 U*		ND (0.00000107) U	ND (0.000000874) U			ND (0.00000122) U	ND (0.00000106) U
PCB 137	UG/L	D					ND (0.00000156)			ND (0.00000087)	ND (0.000000815)		
PCB 137	UG/L	T			ND (0.00000127)	ND (0.000000916) U		ND (0.00000114) U	ND (0.000000976) U			ND (0.00000134) U	ND (0.0000011) U
PCB 141	UG/L	D					ND (0.00000158)			ND (0.000000882)	ND (0.000000826)		

FED\_MCL  
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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10
				Date	5/16/07	8/21/07	11/13/08	5/16/07	8/22/07	11/13/08	11/13/08	5/16/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 141	UG/L	T			ND (0.00000137)	ND (0.00000103) U		ND (0.0000012) U	ND (0.0000011) U			ND (0.00000141) U	ND (0.00000124) U
PCB 146	UG/L	D					ND (0.00000147)			ND (0.000000819)	ND (0.000000767)		
PCB 146	UG/L	T			0.0000147 B	ND (0.00000105) U		ND (0.00000134) U	ND (0.00000112) U			ND (0.00000158) U	ND (0.00000126) U
PCB 15	UG/L	D					ND (0.00000221)			0.00000185	ND (0.00000118)		
PCB 15	UG/L	T			0.00000413	ND (0.00000181) U		ND (0.00000594) U	ND (0.0000023) U			ND (0.00000568) U	ND (0.00000264) U
PCB 158	UG/L	D					ND (0.00000129)			ND (0.00000072)	ND (0.000000674)		
PCB 158	UG/L	T			ND (0.00000117)	ND (0.000000853) U		ND (0.00000106) U	ND (0.000000909) U			ND (0.00000125) U	ND (0.00000103) U
PCB 16	UG/L	T			0.00000446 B	ND (0.00000209) U		0.0000167 U*	ND (0.00000211) U			ND (0.00000285) U	ND (0.000002) U
PCB 162	UG/L	T			0.00000232	ND (0.00000107) U		ND (0.00000148) U	ND (0.000000965) U			ND (0.00000173) U	ND (0.0000011) U
PCB 164	UG/L	D					ND (0.0000012)			ND (0.000000672)	ND (0.000000629)		
PCB 164	UG/L	T			0.00000208 B	ND (0.000000767) U		ND (0.000000933) U	ND (0.000000817) U			ND (0.0000011) U	ND (0.000000922) U
PCB 167	UG/L	D	0.017	UG/L			ND (0.00000152)			ND (0.00000114)	ND (0.000000943)		
PCB 167	UG/L	T	0.017	UG/L	0.00000382 B	ND (0.00000113) U		ND (0.00000153) U	ND (0.00000102) U			ND (0.0000018) U	ND (0.00000117) U
PCB 17	UG/L	T			0.0000042 B	ND (0.00000144) U		0.000014 B	ND (0.00000146) U			0.00000324 U*	ND (0.00000138) U
PCB 170	UG/L	D					ND (0.00000207)			ND (0.00000135)	ND (0.00000112)		
PCB 170	UG/L	T			ND (0.00000161)	ND (0.00000137) U		ND (0.00000144) U	ND (0.00000154) U			ND (0.00000213) U	ND (0.00000129) U
PCB 172	UG/L	D					ND (0.0000021)			ND (0.00000127)	ND (0.00000108)		
PCB 174	UG/L	D					ND (0.00000202)			ND (0.00000122)	ND (0.00000104)		
PCB 174	UG/L	T			ND (0.00000164)	ND (0.00000146) U		ND (0.00000157) U	ND (0.00000174) U			ND (0.00000209) U	ND (0.00000143) U
PCB 177	UG/L	D					ND (0.00000217)			ND (0.00000132)	ND (0.00000112)		
PCB 177	UG/L	T			ND (0.00000172)	ND (0.00000159) U		ND (0.00000165) U	ND (0.00000189) U			ND (0.00000221) U	ND (0.00000156) U
PCB 178	UG/L	D					ND (0.0000017)			ND (0.000000923)	ND (0.000000837)		
PCB 179	UG/L	T			ND (0.00000115)	ND (0.000000901) U		ND (0.00000107) U	ND (0.000000908) U			ND (0.00000131) U	ND (0.000000885) U
PCB 183	UG/L	D					ND (0.00000172)			ND (0.00000104)	ND (0.00000089)		
PCB 183	UG/L	T			ND (0.00000126)	ND (0.00000116) U		ND (0.00000121) U	ND (0.00000138) U			ND (0.00000162) U	ND (0.00000114) U
PCB 185	UG/L	D					ND (0.0000021)			ND (0.00000127)	ND (0.00000109)		
PCB 187	UG/L	T			0.00000361 B	0.00000436 J		0.00000326 U*	ND (0.00000163) U			0.0000044 U*	ND (0.00000134) U
PCB 19	UG/L	T			ND (0.00000171)	ND (0.00000169) U		0.00000609 J	ND (0.0000017) U			ND (0.00000231) U	ND (0.00000161) U
PCB 190	UG/L	D					ND (0.00000178)			ND (0.00000116)	ND (0.000000964)		
PCB 194	UG/L	D					ND (0.00000258)			ND (0.00000174)	ND (0.00000123)		
PCB 194	UG/L	T			0.00000222 B	0.00000201 J		ND (0.00000139) U	ND (0.00000151) U			0.0000035 J	ND (0.00000124) U
PCB 195	UG/L	D					ND (0.00000261)			ND (0.00000176)	ND (0.00000125)		
PCB 196	UG/L	D					ND (0.00000195)			ND (0.00000111)	ND (0.00000103)		
PCB 196	UG/L	T			ND (0.00000123)	ND (0.00000124) U		ND (0.00000121) U	ND (0.00000116) U			ND (0.00000123) U	ND (0.00000123) U
PCB 2	UG/L	D					ND (0.0000012)			ND (0.000000935)	0.00000236		
PCB 2	UG/L	T			0.00000567	ND (0.0000011) U		ND (0.00000245) U	ND (0.00000115) U			ND (0.00000198) U	0.00000654 EMPC
PCB 202	UG/L	D					ND (0.00000155)			ND (0.000000886)	ND (0.00000082)		
PCB 202	UG/L	T			ND (0.000000963)	ND (0.0000011) U		ND (0.00000101) U	ND (0.00000103) U			ND (0.00000102) U	ND (0.00000109) U
PCB 203	UG/L	D					ND (0.00000195)			ND (0.00000111)	ND (0.00000103)		
PCB 203	UG/L	T			ND (0.00000132)	ND (0.00000132) U		ND (0.00000128) U	ND (0.00000123) U			ND (0.0000013) U	ND (0.00000131) U
PCB 206	UG/L	D					ND (0.00000622)			ND (0.00000386)	ND (0.00000391)		
PCB 206	UG/L	T			ND (0.00000259)	ND (0.00000367) U		ND (0.00000286) U	ND (0.00000463) U			ND (0.00000339) U	ND (0.00000336) U
PCB 207	UG/L	D					ND (0.00000433)			ND (0.00000252)	ND (0.00000251)		
PCB 208	UG/L	D					ND (0.0000042)			ND (0.00000244)	ND (0.00000244)		
PCB 208	UG/L	T			ND (0.00000189)	ND (0.00000259) U		ND (0.00000214) U	ND (0.00000343) U			ND (0.00000255) U	ND (0.00000228) U
PCB 209	UG/L	D					ND (0.00000292)			ND (0.0000017)	ND (0.00000192)		
PCB 209	UG/L	T			0.00000511	0.0000087 J		0.00000638 J	ND (0.00000147) U			0.00000893	ND (0.00000134) U
PCB 22	UG/L	T			0.00000303 B	ND (0.00000186) U		0.00000898 B	ND (0.00000181) U			0.0000027 J	ND (0.00000156) U
PCB 3	UG/L	D					ND (0.00000125)			ND (0.000000977)	0.00000278 EMPC		
PCB 3	UG/L	T			0.00000759 B	ND (0.00000107) U		ND (0.0000024) U	ND (0.00000112) U			ND (0.00000194) U	0.00000746 EMPC
PCB 31	UG/L	T			0.00000727 B	0.0000019 J		0.0000187 U*	0.00000171 U*			0.00000715 U*	ND (0.00000127) U
PCB 32	UG/L	T			0.00000242 B	ND (0.00000104) U		0.00000794 J	ND (0.00000105) U			0.00000246 U*	ND (0.000000993) U
PCB 37	UG/L	T			0.00000292 B	ND (0.00000196) U		ND (0.00000292) U	ND (0.00000191) U			ND (0.00000202) U	ND (0.00000165) U
PCB 4	UG/L	D					0.00000302			0.0000069	0.00000468		
PCB 4	UG/L	T			0.00000686 B	ND (0.00000204) U		0.0000206 U*	ND (0.00000262) U			0.00000666 U*	0.00000284 J

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10
				Date	5/16/07	8/21/07	11/13/08	5/16/07	8/22/07	11/13/08	11/13/08	5/16/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS
PCB 41	UG/L	T			ND (0.00000161)	ND (0.00000128) U	ND (0.00000244) U	ND (0.00000142) U	ND (0.00000253) U	ND (0.00000123) U			
PCB 42	UG/L	T			ND (0.00000165)	ND (0.00000147) U	ND (0.00000261) U	ND (0.00000163) U	ND (0.0000027) U	ND (0.00000141) U			
PCB 45	UG/L	T			ND (0.00000129)	ND (0.00000119) U	ND (0.00000243) U	ND (0.00000132) U	ND (0.00000251) U	ND (0.00000115) U			
PCB 48	UG/L	T			ND (0.00000131)	ND (0.00000114) U	0.0000033 EMPC J	ND (0.00000126) U	ND (0.00000218) U	ND (0.00000109) U			
PCB 51	UG/L	T			ND (0.00000139)	ND (0.00000122) U	ND (0.00000212) U	ND (0.00000136) U	ND (0.00000219) U	ND (0.00000117) U			
PCB 52	UG/L	T			0.0000131 B	0.00000871 U*	0.0000215 U*	0.00000889 U*	0.00000913 U*	0.00000837 U*			
PCB 56	UG/L	T			0.00000352 B	ND (0.00000137) U	0.00000449 U*	ND (0.00000136) U	ND (0.00000226) U	ND (0.00000121) U			
PCB 6	UG/L	D					ND (0.00000197)		0.00000194	ND (0.00000106)			
PCB 6	UG/L	T			0.00000341 B	ND (0.00000171) U	0.00000648 U*	ND (0.00000216) U	ND (0.00000549) U	ND (0.00000248) U			
PCB 60	UG/L	T			0.00000248	ND (0.00000121) U	ND (0.00000169) U	ND (0.0000012) U	ND (0.00000197) U	ND (0.00000106) U			
PCB 64	UG/L	T			0.00000316 B	ND (0.000000773) U	0.0000042 J	0.000000861 U*	ND (0.00000146) U	ND (0.000000742) U			
PCB 66	UG/L	T			0.00000682	0.00000306 J	0.000008 J	ND (0.00000134) U	ND (0.00000209) U	ND (0.00000119) U			
PCB 68	UG/L	T			ND (0.00000117)	ND (0.00000122) U	ND (0.00000163) U	ND (0.00000121) U	ND (0.00000189) U	ND (0.00000107) U			
PCB 7	UG/L	T			ND (0.00000345)	ND (0.00000151) U	ND (0.00000508) U	ND (0.00000191) U	ND (0.00000485) U	ND (0.0000022) U			
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000153)	ND (0.00000144) U	ND (0.00000188) U	ND (0.00000141) U	ND (0.00000221) U	ND (0.00000134) U			
PCB 8	UG/L	T			0.00000929 B	0.00000254 J	0.0000255 U*	0.00000249 U*	0.00000972 U*	ND (0.00000247) U			
PCB 82	UG/L	T			ND (0.0000022)	ND (0.00000149) U	ND (0.00000214) U	ND (0.00000191) U	ND (0.00000243) U	ND (0.00000182) U			
PCB 84	UG/L	T			ND (0.00000179)	ND (0.00000124) U	ND (0.00000182) U	ND (0.00000158) U	ND (0.00000207) U	ND (0.00000151) U			
PCB 9	UG/L	T			ND (0.0000038)	0.00000311 J	0.00000499	0.00000322 U*	ND (0.00000538) U	0.000004 U*			
PCB 91	UG/L	T			ND (0.00000141)	ND (0.000000872) U	ND (0.00000137) U	ND (0.00000111) U	ND (0.00000155) U	ND (0.00000107) U			
PCB 92	UG/L	T			0.00000383	ND (0.0000013) U	ND (0.00000194) U	ND (0.00000166) U	ND (0.00000221) U	ND (0.00000158) U			
PCB 95	UG/L	T			0.00000772 B	0.00000576 U*	0.000014 B	0.00000643 U*	0.00000611 U*	0.00000499 U*			
PCB 99	UG/L	T			0.00000704	ND (0.00000108) U	0.00000631 U*	0.00000284 U*	ND (0.00000184) U	0.00000232 U*			
PCB-108/119/86/97/125/87	UG/L	T			0.00001	0.00000593 U*	0.00000847 J	0.00000573 U*	0.00000519 EMPC J	0.00000431 U*			
PCB-113/90/101	UG/L	T			0.0000124 B	0.00000802 U*	0.0000153 U*	0.00000751 U*	0.00000785 U*	0.00000707 U*			
PCB-116/85	UG/L	D					ND (0.00000161)		ND (0.00000104)	ND (0.000000905)			
PCB-116/85	UG/L	T			ND (0.00000151)	ND (0.00000102) U	ND (0.00000133) U	ND (0.0000013) U	ND (0.00000152) U	ND (0.00000124) U			
PCB-128/166	UG/L	D					ND (0.00000194)		ND (0.00000146)	ND (0.0000012)			
PCB-128/166	UG/L	T			0.00000271	ND (0.00000124) U	ND (0.00000168) U	ND (0.00000112) U	ND (0.00000196) U	ND (0.00000128) U			
PCB-147/149	UG/L	T			0.0000121 B	0.00000475 U*	0.00000963 J	0.00000368 U*	0.00000595 U*	0.00000335 U*			
PCB-151/135	UG/L	T			0.00001 B	ND (0.00000111) U	0.00000497 EMPC J	ND (0.00000118) U	ND (0.00000166) U	ND (0.00000133) U			
PCB-153/168	UG/L	D					ND (0.00000125)		ND (0.000000696)	0.00000118 B			
PCB-153/168	UG/L	T			0.0000151 B	0.00000378 U*	0.00000733 U*	0.00000273 U*	0.00000523 U*	0.00000362 U*			
PCB-156/157	UG/L	D					ND (0.00000216)		ND (0.00000147)	ND (0.00000122)			
PCB-156/157	UG/L	T			0.00000311 EMPCJ	ND (0.00000149) U	ND (0.00000195) U	ND (0.00000136) U	ND (0.00000184) U	ND (0.00000154) U			
PCB-163/138/129	UG/L	D					ND (0.00000156)		ND (0.000000872)	0.00000127 B			
PCB-163/138/129	UG/L	T			0.0000182 B	0.00000649 U*	0.00000787 U*	0.00000379 U*	0.00000906 U*	0.00000519 U*			
PCB-171/173	UG/L	D					ND (0.00000214)		ND (0.0000013)	ND (0.00000111)			
PCB-180/193	UG/L	D					ND (0.00000173)		ND (0.00000105)	ND (0.000000893)			
PCB-180/193	UG/L	T			0.00000568 B	0.00000232 J	0.00000326 U*	ND (0.00000135) U	0.00000559 U*	0.00000319 U*			
PCB-198/199	UG/L	D					ND (0.00000205)		ND (0.00000117)	ND (0.00000108)			
PCB-198/199	UG/L	T			ND (0.0000015)	ND (0.00000152) U	ND (0.00000148) U	ND (0.00000142) U	0.00000238 U*	ND (0.0000015) U			
PCB-21/33	UG/L	T			0.00000469 B	ND (0.00000158) U	0.000013 U*	ND (0.00000154) U	0.00000479 U*	ND (0.00000133) U			
PCB-26/29	UG/L	T			ND (0.00000191)	ND (0.00000169) U	0.000005 U*	ND (0.00000165) U	ND (0.0000017) U	ND (0.00000142) U			
PCB-28/20	UG/L	T			0.0000101 B	0.00000235 U*	0.0000214 U*	ND (0.00000177) U	0.00000918 U*	0.00000281 J			
PCB-30/18	UG/L	T			0.00000927 B	0.00000315 J	0.0000365 U*	0.00000265 U*	0.0000115 U*	0.00000248 U*			
PCB-44/47/65	UG/L	T			0.0000137 B	0.00000478 U*	0.0000171 J	0.00000387 U*	0.0000105 J	0.0000036 U*			
PCB-50/53	UG/L	T			ND (0.0000013)	0.00000131 J	0.00000349 EMPC J	ND (0.00000127) U	ND (0.00000225) U	ND (0.0000011) U			
PCB-59/62/75	UG/L	T			ND (0.00000102)	ND (0.000000884) U	ND (0.00000165) U	ND (0.000000981) U	ND (0.00000171) U	ND (0.000000848) U			
PCB-61/70/74/76	UG/L	T			0.0000117 B	0.00000647 U*	0.0000162 U*	0.00000452 U*	0.00000897 U*	0.00000364 U*			
PCB-69/49	UG/L	T			0.00000396 B	0.00000273 U*	0.00000862 U*	0.00000257 U*	0.00000383 U*	0.00000232 U*			
PCB-71/40	UG/L	T			0.0000032 B	ND (0.00000125) U	0.00000573 U*	ND (0.00000139) U	ND (0.00000231) U	ND (0.0000012) U			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000602 B	0.0000611 J	0.00013 J	0.0000301 U*	0.0000677 U*	0.0000165 J			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D					ND (0.00000216)		ND (0.00000127)	ND (0.00000115)			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000568 B	0.00000668 J	0.00000652 U*	ND (0.00000135) U	0.00000999 U*	0.00000319 U*			

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10
				Date	5/16/07	8/21/07	11/13/08	5/16/07	8/22/07	11/13/08	11/13/08	11/13/08	5/16/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS		
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000886 B	0.0000181 U*		0.0000298 EMPC J	0.0000102 U*			0.0000202 U*	0.0000122 U*	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D					ND (0.00000132)		0.00000275 EMPC	0.00000873 EMPC				
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000191 B	ND (0.00000102) U		ND (0.00000244) U	ND (0.00000107) U			ND (0.00000193) U	0.0000252 EMPC	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D					ND (0.00000521)			ND (0.00000315)	ND (0.00000317)			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000224)	ND (0.00000313) U		ND (0.0000025) U	ND (0.00000403) U			ND (0.00000297) U	ND (0.00000282) U	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D					ND (0.00000183)			ND (0.00000116)	ND (0.000000916)			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000222 B	0.00000201 J		ND (0.00000111) U	ND (0.00000113) U			0.00000587 EMPC J	ND (0.00000105) U	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000808 B	0.0000352 U*		0.0000637 J	0.0000321 U*			0.0000325 EMPC J	0.0000296 U*	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000581 B	0.0000271 J		0.0000927 EMPC J	0.0000207 U*			0.0000324 J	0.0000179 U*	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000424 B	0.00000741 J		0.000148 J	0.00000436 U*			0.000041 J	0.00000529 J	
ALUMINUM	UG/L	D	37000	UG/L	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	ND (80.2)	
ALUMINUM	UG/L	T	37000	UG/L	1570	1480 J	2250	ND (80.2)	ND (80.2)	95.7 J	ND (80.2)	2510	291	
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	<b>^12.3 J</b>	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	
ARSENIC	UG/L	D	10	UG/L	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)	ND (0.7)	ND (0.7)	
ARSENIC	UG/L	T	10	UG/L	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)	ND (0.7)	ND (0.7)	
BARIUM	UG/L	D	2000	UG/L	76	69.2	77.4	102	95.4	89.8	90.3	60.3	105	
BARIUM	UG/L	T	2000	UG/L	80.6	73.8	84.9	117	99.8	88.4	94.1	63	109	
BERYLLIUM	UG/L	T	4	UG/L	ND (0.94)	ND (0.9)	ND (0.9)	ND (0.9)	ND (0.9)	ND (0.9)	ND (0.9)	ND (0.9)	ND (0.9)	
CADMIUM	UG/L	D	5	UG/L	ND (0.91)	ND (0.9)	ND (2)	ND (0.91)	ND (0.9)	ND (2)	ND (2)	ND (0.91)	ND (0.9)	
CADMIUM	UG/L	T	5	UG/L	ND (0.91)	ND (0.9)	ND (2)	ND (0.91)	ND (0.9)	ND (2)	ND (2)	ND (0.91)	ND (0.9)	
CALCIUM	UG/L	D			8800	8330	8660	30400	28400	28300	28400	404000	732000	
CALCIUM	UG/L	T			9040	8780	8430	34500	31700	27400	26500	409000	798000	
CHROMIUM	UG/L	D	100	UG/L	ND (2.3)	ND (2.3)	ND (3)	ND (2.3)	ND (2.3)	ND (3)	ND (3)	ND (2.3)	ND (2.3)	
CHROMIUM	UG/L	T	100	UG/L	8.9 B	8 J	10.2 J	ND (2.3)	ND (2.3)	ND (3)	ND (3)	8.7 B	ND (2.3)	
COBALT	UG/L	D	11	UG/L	4.9 J	4.7 J	6.9 B	9.5	10.2	<b>^11.1</b>	10.8 B	6.7	10.6	
COBALT	UG/L	T	11	UG/L	8.9	10	<b>^14.2</b>	<b>^11.3</b>	10.1	11 B	<b>^11.1</b>	8.3	10.8	
COPPER	UG/L	D	1300	UG/L	ND (2.2)	ND (2.2)	ND (2.7)	ND (2.2)	ND (2.2)	ND (2.7)	ND (2.7)	ND (2.2)	9.9 B	
COPPER	UG/L	T	1300	UG/L	26.3	10.5	24.8	ND (2.2)	5.7 B	ND (2.7)	ND (2.7)	4.4 J	11.4 B	
FERROUS IRON	UG/L	T			2800 J	3800 J	3800 B	37500 J	38900 J	41600 B	43600 B	110 B	34 J	
IRON	UG/L	D	26000	UG/L	3570	3210	3680	<b>^43800</b>	<b>^43000</b>	<b>^43600</b>	<b>^43900</b>	ND (52.2)	ND (52.2)	
IRON	UG/L	T	26000	UG/L	7100	7420	8660	<b>^52700</b>	<b>^41100</b>	<b>^40500</b>	<b>^42500</b>	7530	1010	
LEAD	UG/L	D	15	UG/L	0.15 B	0.064 B	ND (0.05)	0.074 B	0.057 J	ND (0.05)	ND (0.05)	0.17 B	0.21 J	
LEAD	UG/L	T	15	UG/L	1	0.82 J	0.94 J	0.12 B	0.19 J	0.27 B	0.062 B	1.7	0.57 J	
MAGNESIUM	UG/L	D			3170	3050	3210	8220	8040	7520	7620	39100	56000	
MAGNESIUM	UG/L	T			3260	3170	3300	9490	8640	7620	7570	40100	58800	
MANGANESE	UG/L	D	880	UG/L	152	140	154	488	473	467	469	673	<b>^899</b>	
MANGANESE	UG/L	T	880	UG/L	163	153	173	568	487	463	489	699	<b>^952</b>	
MERCURY	UG/L	D	2	UG/L	ND (0.056)	ND (0.056)	ND (0.056)	0.13 J	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	
MERCURY	UG/L	T	2	UG/L	ND (0.056)	ND (0.056)	ND (0.056)	0.11 J	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	730	UG/L	ND (5.6)	6.5 J	7.2 J	9.5 J	8.4 J	9.5 J	9.4 J	ND (5.6)	7.7 J	
NICKEL	UG/L	T	730	UG/L	9.1 J	10.3	13.4	10.3	11.6	10.5	13.6	6.2 J	9.3 J	
POTASSIUM	UG/L	D			778	802	679	2000	1610	1990	1980	5360	6800	
POTASSIUM	UG/L	T			825	836	708	2150	1980	2000	1880	5580	7420	
SELENIUM	UG/L	T	50	UG/L	ND (9.4)	ND (9.4)	ND (10.7)	ND (9.4)	ND (9.4)	ND (10.7)	ND (10.7)	ND (9.4)	ND (9.4)	
SILVER	UG/L	D	180	UG/L	ND (1.6)	ND (1.6)	ND (2.2)	ND (1.6)	ND (1.6)	ND (2.2)	ND (2.2)	ND (1.6)	ND (1.6)	
SODIUM	UG/L	D			9050	8990	9550	18100	17900	17600	17700	106000	222000	
SODIUM	UG/L	T			9010	8650	10000	17600	22100	17700	17700	111000	235000	
THALLIUM	UG/L	D	2	UG/L	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (0.037)	ND (0.037)	
THALLIUM	UG/L	T	2	UG/L	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (0.037)	ND (0.037)	
TITANIUM	UG/L	D			ND (2.8)	ND (2.8)	ND (3.8)	ND (2.8)	ND (2.8)	ND (3.8)	ND (3.8)	ND (2.8)	ND (2.8)	
TITANIUM	UG/L	T			75.1	81.2	120	ND (2.8)	ND (2.8)	6.4 J	ND (3.8)	101	10.4	
VANADIUM	UG/L	D			ND (1.5)	ND (1.5)	ND (2.5)	ND (1.5)	ND (1.5)	ND (2.5)	ND (2.5)	ND (1.5)	ND (1.5)	
VANADIUM	UG/L	T			12.7	14.6	21	ND (1.5)	1.8 J	ND (2.5)	ND (2.5)	28.1	4.5 J	
ZINC	UG/L	D	11000	UG/L	10.9 B	12.1 J	8.7 B	9 B	15.9 J	ND (8.1)	ND (8.1)	10.6 B	10.2 J	
ZINC	UG/L	T	11000	UG/L	17.6 B	18.5 J	17.3 B	15.9 B	35.6	9.2 B	ND (8.1)	15.2 B	12.8 J	

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**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10
				Date	5/16/07	8/21/07	11/13/08	5/16/07	8/22/07	11/13/08	11/13/08	5/16/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			12100	14000	7600	95700	93700	88500	91900	32100	38900
AMMONIA	UG/L	T			ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	ND (200)	870
CHLORIDE	UG/L	T			27300	29500	32400	28300	33500	29300	29700	652000	1920000
CYANIDE	UG/L	T	200	UG/L	ND (5)	28 J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
FERRIC IRON	UG/L	T			4300	3600	4900	15200	2200 J	ND (2000)	ND (2000)	7400	970
NITRATE	UG/L	T	10000	UG/L	ND (40)	ND (40)	ND (40) UJ	ND (40)	ND (40)	ND (40) UJ	ND (40) UJ	1900	1500 J
NITRITE	UG/L	T	1000	UG/L	ND (15) UJ	ND (15) UJ	31 J	60 J	48 J	130	120	ND (15) UJ	ND (15) UJ
PHOSPHORUS	UG/L	T			ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)	ND (250)
SILICA	UG/L	T			26200	26300	25800	45600	35100 J	44400	43000	16200	9800 J
SULFATE	UG/L	T			ND (5000)	3600 J	ND (5000)	78500	69300	77200	79300	92100	120000
TOTAL HARDNESS AS CaCO3	UG/L	T					34700			99900	97300		
TOTAL ORGANIC CARBON	UG/L	T			ND (1000)	ND (1000)	510 J	ND (1000)	1200 J	1900	1700	ND (1000)	1300 J
TOTAL SUSPENDED SOLIDS	UG/L	T			77600	94000	118000	8400 B	6400 J	12400	4000 J	1100000	36000
COLOR QUALITATIVE (FIELD)	NS	T			Clear	clr	Brown	Clear	clr		Clear	Lt. Brown	brown
DISSOLVED OXYGEN (FIELD)	UG/L	T			790	300	210	940	600		3290	850	340
ODOR (FIELD)	NS	T			No	no	No	No	no		No	No	no
OVABZONE	PPM	T			NR	NR		NR				NR	
OVACASING	PPM	T			NR	NR		NR				NR	
TOTAL WELL DEPTH	Feet	T											
HPCDFS	UG/L	D					ND (0.00000103)			ND (0.000000501)	ND (0.000000819)		
HPCDFS	UG/L	T			0.00000556	0.00000169 EMPCJ		ND (0.00000139) U	ND (0.000000546) U			ND (0.000000992) U	ND (0.00000051) U

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**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S	MW-14S	
				Date	11/13/08	5/29/09	10/22/09	5/24/10	10/5/10	4/11/11	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07	8/22/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	ND (0.8)	ND (0.8)						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	
ACETONE	UG/L	T	22000	UG/L	ND (6)	ND (6)						ND (6)	ND (6)	ND (6)	ND (6)	ND (6)	
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)						ND (0.5)	0.7 J	ND (0.5)	ND (0.5)	ND (0.5)	
CHLOROFORM	UG/L	T	0.19	UG/L	^ND (0.8)	^ND (0.8)						^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	^ND (0.8)	
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	ND (0.8)	ND (0.8)						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	ND (0.8)						ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	ND (0.8)	
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	ND (1)						1 J	ND (1)	ND (1)	ND (1)	ND (1)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	2 J	ND (2)					ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	ND (2)	ND (2)					3 J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	
FLUORANTHENE	UG/L	T	1500	UG/L	0.026 J	ND (0.02)					ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	
NAPHTHALENE	UG/L	T	0.14	UG/L	^ND (0.98)	^ND (0.98)					^ND (1)	^ND (1)	^ND (1)	^ND (1)	^ND (1)	^ND (1)	
1,2,3,4,6,7,8-HPCDD	UG/L	D			0.00000897 EMPC J												
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.00000448 J		ND (0.000001407061)			0.00000367 J			ND (0.00000219) U	0.00000694 J	ND (0.00000441) U	
1,2,3,4,6,7,8-HPCDF	UG/L	D			0.00000223 EMPC J												
1,2,3,4,6,7,8-HPCDF	UG/L	T				0.000000831 J		ND (0.0000007218056)			0.00000109 J			ND (0.00000133) U	ND (0.00000108) U	ND (0.00000212) U	
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.000000715)		ND (0.0000009088851)			ND (0.00000109)			ND (0.00000199) U	ND (0.00000176) U	ND (0.00000347) U	
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000000318)		ND (0.0000006714644)			ND (0.000000504)			ND (0.000000712) U	ND (0.000000293) U	ND (0.000000673) U	
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000000352)		ND (0.0000007185467)			ND (0.000000553)			ND (0.000000956) U	ND (0.000000388) U	ND (0.000000843) U	
2,3,4,7,8-PECDF	UG/L	T				ND (0.000000436)		ND (0.000000541332)			ND (0.000000707)			ND (0.00000106) U	ND (0.000000989) U	ND (0.000000729) U	
2,3,7,8-TCDF	UG/L	T				ND (0.000000447)		ND (0.0000005441425)			ND (0.000000763)			ND (0.000000578) U	ND (0.000000567) U	ND (0.000000341) U	
HPCDDS	UG/L	D			0.0000186 EMPC												
HPCDDS	UG/L	T				0.00000916								ND (0.00000219) U	0.0000196 J	ND (0.00000441) U	
HXCDDS	UG/L	T				0.000000781 EMPC								ND (0.00000287) U	ND (0.00000239) U	ND (0.00000286) U	
HXCDFS	UG/L	T				0.000000476 EMPC								ND (0.000000899) U	ND (0.000000367) U	ND (0.000000766) U	
OCDD	UG/L	D			0.000183												
OCDD	UG/L	T				0.000108		0.00000659 J			0.0000771			0.0000201 J	0.000119	0.0000166 J	
OCDF	UG/L	T				ND (0.00000204)		ND (0.000001974156)			ND (0.00000375)			0.0000109 EMPC J	0.0000175 J	ND (0.0000066) U	
TCDDS	UG/L	T				0.000000673 B		ND (0.0000007884634)			ND (0.000000901)			ND (0.00000101) U	0.00000275 J	0.00000168 J	
TCDFS	UG/L	T				ND (0.000000447)		ND (0.0000005441425)			ND (0.000000763)			ND (0.000000578) U	ND (0.000000567) U	ND (0.000000341) U	
TOTAL HPCDD	UG/L	T						ND (0.000001407061)			0.00000776 EMPC						
TOTAL HPCDF	UG/L	T						ND (0.0000008087308)			0.00000109						
TOTAL HXCDD	UG/L	T						ND (0.000001100013)			ND (0.00000122)						
TOTAL PECDD	UG/L	T						ND (0.0000008199213)			ND (0.000000919)						
TOTAL PECDDS	UG/L	T						ND (0.000000694)						ND (0.00000703) U	ND (0.00000648) U	ND (0.00000211) U	
TOTAL PECDF	UG/L	T						ND (0.0000005418375)			ND (0.000000748)						
PCB 1	UG/L	D			0.00000281												
PCB 1	UG/L	T				ND (0.000000736)		ND (0.00000217)			ND (0.00000138)			ND (0.00000334) U	0.00000584 J	0.00000355 J	
PCB 10	UG/L	T				0.000000594		ND (0.00000961)			ND (0.00000685)			ND (0.00000162) U	ND (0.00000187) U	ND (0.00000199) U	
PCB 105	UG/L	D	0.017	UG/L	0.00000845												
PCB 105	UG/L	T	0.017	UG/L		0.00000239 B		0.00000406 J			0.00000385 J			ND (0.00000111) U	0.00000573 J	0.00000512 U*	
PCB 109	UG/L	D			0.00000184												
PCB 109	UG/L	T				ND (0.000000728)		ND (0.00000131)			ND (0.0000018)			ND (0.000000913) U	ND (0.00000153) U	ND (0.000000782) U	
PCB 11	UG/L	T				0.0000167 B		0.000027 B			0.0000136 B			0.0000475 U*	0.0000544 U*	0.0000241 U*	
PCB 110	UG/L	T				0.0000076 B		ND (0.00000131)			0.00000839 J			0.00000758 J	0.0000243	0.0000284 U*	
PCB 117	UG/L	T				ND (0.000000967)		ND (0.00000151)			ND (0.00000198)			ND (0.00000138) U	ND (0.00000232) U	ND (0.00000097) U	
PCB 118	UG/L	T	0.017	UG/L		0.00000596 B		0.000007 J			0.00000804 J			0.00000477 U*	0.0000127	0.0000112 U*	
PCB 130	UG/L	D			0.00000321												
PCB 130	UG/L	T				ND (0.00000111)		ND (0.00000172)			ND (0.00000295)			ND (0.00000146) U	ND (0.00000146) U	ND (0.00000112) U	
PCB 132	UG/L	D			0.00000762 EMPC												
PCB 132	UG/L	T				0.00000342 B		ND (0.00000149)			ND (0.00000269)			ND (0.00000124) U	0.00000688 EMPC J	0.00000587 U*	
PCB 134	UG/L	T				ND (0.00000112)		ND (0.00000183)			ND (0.00000333)			ND (0.00000169) U	ND (0.00000169) U	ND (0.00000121) U	
PCB 136	UG/L	T				0.00000147 B		ND (0.00000119)			ND (0.00000164)			ND (0.000000944) U	0.00000294 EMPC J	0.00000381 U*	
PCB 137	UG/L	D			0.00000319												
PCB 137	UG/L	T				ND (0.000000822)		ND (0.00000166)			ND (0.00000253)			ND (0.00000106) U	ND (0.00000106) U	ND (0.000000797) U	
PCB 141	UG/L	D			0.000018												

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S	MW-14S
				Date	11/13/08	5/29/09	10/22/09	5/24/10	10/5/10	4/11/11	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	T				0.00000313 B		ND (0.00000142)		ND (0.00000243)		ND (0.00000111) U		ND (0.00000112) U		0.00000299 U*
PCB 146	UG/L	D			0.00000754 EMPC											
PCB 146	UG/L	T				0.00000162 B		ND (0.00000122)		ND (0.00000221)		ND (0.00000125) U		0.0000034 EMPC J		ND (0.000000907) U
PCB 15	UG/L	D			0.00000163											
PCB 15	UG/L	T				0.00000163 B		ND (0.0000117)		ND (0.00000629)		ND (0.00000407) U		ND (0.00000727) U		ND (0.00000533) U
PCB 158	UG/L	D			0.00000391											
PCB 158	UG/L	T				0.00000127 B		ND (0.00000109)		ND (0.00000169)		ND (0.000000986) U		ND (0.000000987) U		0.0000017 U*
PCB 16	UG/L	T				ND (0.000000924)		ND (0.00000286)		ND (0.00000319)		0.00000588 EMPC J		0.00000729 U*		ND (0.00000198) U
PCB 162	UG/L	T				ND (0.000000776)		ND (0.00000166)		ND (0.00000212)		ND (0.0000013) U		ND (0.00000154) U		ND (0.000000956) U
PCB 164	UG/L	D			0.00000224 EMPC											
PCB 164	UG/L	T				0.00000123 EMPC		ND (0.00000105)		ND (0.00000183)		ND (0.000000865) U		ND (0.000000867) U		ND (0.000000659) U
PCB 167	UG/L	D	0.017	UG/L	0.00000374 J											
PCB 167	UG/L	T	0.017	UG/L		ND (0.000000891)		ND (0.00000174)		ND (0.00000207)		ND (0.00000135) U		0.00000133 EMPC J		ND (0.000000964) U
PCB 17	UG/L	T				ND (0.000000807)		ND (0.00000225)		ND (0.00000257)		0.00000516 J		0.00000555 J		0.00000297 EMPCJ
PCB 170	UG/L	D			0.00000168											
PCB 170	UG/L	T				0.00000533 B		ND (0.00000171)		0.00000602 J		ND (0.00000152) U		0.00000753 J		0.00000389 J
PCB 172	UG/L	D			0.00000417											
PCB 174	UG/L	D			0.00000135											
PCB 174	UG/L	T				0.0000041 B		ND (0.00000149)		ND (0.00000364)		0.00000261 EMPC J		0.00000101		0.0000034 U*
PCB 177	UG/L	D			0.00000933											
PCB 177	UG/L	T				0.00000247 B		ND (0.00000159)		ND (0.00000411)		ND (0.00000163) U		0.00000472 J		ND (0.00000139) U
PCB 178	UG/L	D			0.00000405											
PCB 179	UG/L	T				0.00000175 B		ND (0.00000165)		ND (0.00000166)		ND (0.00000102) U		0.00000308 J		0.00000169 U*
PCB 183	UG/L	D			0.00000541											
PCB 183	UG/L	T				0.00000217 B		ND (0.00000124)		ND (0.00000376)		ND (0.00000119) U		0.00000449 J		ND (0.00000103) U
PCB 185	UG/L	D			0.00000147 EMPC											
PCB 187	UG/L	T				0.00000547 B		0.00000206 J		0.00000771 J		0.0000003 J		0.00000131		0.00000504 U*
PCB 19	UG/L	T				0.00000129 B		ND (0.00000286)		ND (0.00000245)		ND (0.00000188) U		ND (0.00000196) U		ND (0.00000157) U
PCB 190	UG/L	D			0.0000037											
PCB 194	UG/L	D			0.0000111 EMPC											
PCB 194	UG/L	T				0.00000374 B		ND (0.00000185)		ND (0.00000416)		ND (0.00000149) U		0.00000668 J		0.00000297 U*
PCB 195	UG/L	D			0.00000394											
PCB 196	UG/L	D			0.0000032 EMPC											
PCB 196	UG/L	T				ND (0.00000126)		ND (0.00000221)		ND (0.00000256)		ND (0.0000011) U		0.00000246 EMPC J		ND (0.000000967) U
PCB 2	UG/L	D			ND (0.000000852)											
PCB 2	UG/L	T				ND (0.000000701)		ND (0.00000184)		ND (0.00000163)		ND (0.00000183) U		0.00000596 J		ND (0.00000123) U
PCB 202	UG/L	D			0.00000363											
PCB 202	UG/L	T				0.00000176		ND (0.00000203)		ND (0.00000191)		ND (0.000000916) U		ND (0.00000117) U		ND (0.000000793) U
PCB 203	UG/L	D			0.00000615											
PCB 203	UG/L	T				0.00000258		ND (0.00000208)		ND (0.00000226)		ND (0.00000116) U		0.00000398 J		ND (0.00000105) U
PCB 206	UG/L	D			0.0000125 EMPC											
PCB 206	UG/L	T				0.00000456		ND (0.00000511)		ND (0.00000619)		ND (0.00000338) U		0.00000596 J		ND (0.00000271) U
PCB 207	UG/L	D			0.00000365											
PCB 208	UG/L	D			0.00000545											
PCB 208	UG/L	T				0.0000027		ND (0.00000411)		ND (0.00000468)		ND (0.00000248) U		ND (0.0000021) U		ND (0.00000179) U
PCB 209	UG/L	D			0.0000051											
PCB 209	UG/L	T				0.0000086		ND (0.00000281)		0.00000796 J		0.00000955		0.00000321		0.00000262 J
PCB 22	UG/L	T				ND (0.000000844)		0.00000209 J		ND (0.00000223)		0.00000303 J		0.00000386 EMPC J		ND (0.00000157) U
PCB 3	UG/L	D			0.00000226 EMPC											
PCB 3	UG/L	T				0.00000205 B		ND (0.0000021)		ND (0.00000147)		0.00000602 EMPC J		0.00000758 U*		ND (0.00000123) U
PCB 31	UG/L	T				0.00000158 B		0.00000525 B		ND (0.0000022)		0.00000653 U*		0.00000976 U*		0.00000413 U*
PCB 32	UG/L	T				0.000000878 B		0.00000276 J		0.00000214 J		0.00000355 J		0.00000352 J		0.00000204 J
PCB 37	UG/L	T				ND (0.000000967)		ND (0.00000203)		ND (0.00000215)		ND (0.00000196) U		0.00000402 J		ND (0.00000169) U
PCB 4	UG/L	D			0.00000513											
PCB 4	UG/L	T				0.00000114 B		ND (0.00000171)		ND (0.00000097)		0.00000826 U*		0.00000776 U*		0.00000911

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S	MW-14S
				Date	11/13/08	5/29/09	10/22/09	5/24/10	10/5/10	4/11/11	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 41	UG/L	T			ND (0.00000982)		ND (0.0000018)		ND (0.00000307)		ND (0.0000023)	U	ND (0.00000238)	U	ND (0.00000116)	U
PCB 42	UG/L	T			ND (0.00000108)		ND (0.00000186)		ND (0.00000258)		ND (0.00000246)	U	ND (0.00000254)	U	ND (0.00000129)	U
PCB 45	UG/L	T			ND (0.00000916)		ND (0.00000187)		ND (0.00000252)		ND (0.00000229)	U	ND (0.00000236)	U	ND (0.0000011)	U
PCB 48	UG/L	T			ND (0.00000911)		ND (0.00000156)		ND (0.00000229)		ND (0.00000199)	U	ND (0.00000206)	U	ND (0.00000103)	U
PCB 51	UG/L	T			ND (0.00000101)		ND (0.00000155)		ND (0.0000023)		ND (0.000002)	U	ND (0.00000207)	U	ND (0.00000108)	U
PCB 52	UG/L	T			0.00000275 B		0.00000648 J		0.00000511 J		0.00000108 U*		0.0000163 U*		0.0000455 U*	
PCB 56	UG/L	T			ND (0.00000992)		ND (0.00000183)		ND (0.00000215)		ND (0.00000173)	U	0.00000388 J		ND (0.00000115)	U
PCB 6	UG/L	D			ND (0.00000169)											
PCB 6	UG/L	T			ND (0.00000958)		ND (0.00000105)		ND (0.00000624)		ND (0.00000394)	U	ND (0.00000704)	U	ND (0.00000493)	U
PCB 60	UG/L	T			ND (0.00000104)		ND (0.00000181)		ND (0.00000219)		ND (0.00000151)	U	0.00000193 EMPC J		ND (0.00000101)	U
PCB 64	UG/L	T			ND (0.00000632)		ND (0.00000132)		ND (0.00000174)		0.00000275 J		0.00000458 J		0.00000349 U*	
PCB 66	UG/L	T			0.00000146 B		0.00000308 J		ND (0.00000219)		0.00000331 J		0.00000706 J		0.00000396 U*	
PCB 68	UG/L	T			ND (0.00000932)		ND (0.000002)		ND (0.00000196)		ND (0.00000145)	U	ND (0.00000167)	U	ND (0.00000103)	U
PCB 7	UG/L	T			0.00000855 B		ND (0.00000102)		ND (0.00000581)		ND (0.00000348)	U	ND (0.00000622)	U	ND (0.00000437)	U
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000121)		ND (0.00000223)		ND (0.00000222)		ND (0.00000169)	U	ND (0.00000185)	U	ND (0.00000121)	U
PCB 8	UG/L	T			0.0000013 B		0.00000646 J		ND (0.00000608)		0.00000991 U*		0.00000956 U*		0.00000494 U*	
PCB 82	UG/L	T			ND (0.00000112)		ND (0.00000224)		ND (0.00000311)		ND (0.00000168)	U	ND (0.00000281)	U	ND (0.00000152)	U
PCB 84	UG/L	T			ND (0.00000111)		ND (0.00000203)		ND (0.0000029)		ND (0.00000143)	U	ND (0.0000024)	U	0.00000124 U*	
PCB 9	UG/L	T			ND (0.00000087)		ND (0.00000103)		ND (0.00000592)		ND (0.00000386)	U	ND (0.00000689)	U	ND (0.00000497)	U
PCB 91	UG/L	T			ND (0.000000807)		ND (0.00000207)		ND (0.00000248)		ND (0.00000107)	U	ND (0.0000018)	U	0.00000295 U*	
PCB 92	UG/L	T			ND (0.0000011)		ND (0.00000204)		ND (0.00000275)		ND (0.00000153)	U	ND (0.00000256)	U	0.00000556 U*	
PCB 95	UG/L	T			0.00000395 B		0.00000511 J		0.00000519 J		0.00000595 U*		0.00000138 U*		0.00000333 U*	
PCB 99	UG/L	T			0.00000208 B		0.00000519 J		0.00000335 J		ND (0.00000128)	U	0.00000844 U*		0.00000833 U*	
PCB-108/119/86/97/125/87	UG/L	T			0.00000395 B		ND (0.00000178) J		ND (0.00000233)		0.00000871 J		0.00000127 J		0.00000183 U*	
PCB-113/90/101	UG/L	T			0.00000642 B		0.00000613 J		0.00000645 J		0.00000829 U*		0.00000175 U*		0.00000256 U*	
PCB-116/85	UG/L	D			0.00000451											
PCB-116/85	UG/L	T			ND (0.00000085)		0.00000274 J		ND (0.00000239)		ND (0.00000105)	U	ND (0.00000176)	U	ND (0.00000102)	U
PCB-128/166	UG/L	D			0.00000868											
PCB-128/166	UG/L	T			0.0000031 B		ND (0.00000173)		ND (0.00000259)		ND (0.00000147)	U	0.00000402 J		0.00000285 U*	
PCB-147/149	UG/L	T			0.00000737 B		0.00000398 J		0.00000979 J		0.0000056 J		0.00000177		0.00000155 U*	
PCB-151/135	UG/L	T			0.00000345 B		ND (0.00000142)		0.00000538 J		ND (0.00000131)	U	0.00000087 J		0.00000511 U*	
PCB-153/168	UG/L	D			0.00000546											
PCB-153/168	UG/L	T			0.0000012 B		0.00000768 J		0.00000169 B		0.00000539 J		0.00000201		0.00000112 U*	
PCB-156/157	UG/L	D			0.0000077 J											
PCB-156/157	UG/L	T			0.00000322 B		ND (0.00000233)		ND (0.00000303)		ND (0.00000174)	U	0.00000314 J		0.00000235 U*	
PCB-163/138/129	UG/L	D			0.00000572											
PCB-163/138/129	UG/L	T			0.00000151 B		0.00000085 J		0.00000248 B		0.00000711 J		0.00000278		0.00000178 U*	
PCB-171/173	UG/L	D			0.00000425											
PCB-180/193	UG/L	D			0.00000384											
PCB-180/193	UG/L	T			0.00000106 B		0.00000302 J		0.00000144 B		0.00000442 EMPC J		0.00000184		0.00000829 U*	
PCB-198/199	UG/L	D			0.00000121											
PCB-198/199	UG/L	T			0.00000496 B		ND (0.00000237)		ND (0.00000255)		ND (0.00000134)	U	0.00000728 J		0.00000319 U*	
PCB-21/33	UG/L	T			0.00000133 B		0.0000037 J		ND (0.00000224)		0.00000364 U*		0.00000545 U*		ND (0.00000136)	U
PCB-26/29	UG/L	T			ND (0.00000092)		ND (0.00000177)		ND (0.00000219)		ND (0.00000165)	U	ND (0.00000201)	U	0.00000287 J	
PCB-28/20	UG/L	T			0.00000229 B		0.00000887 B		0.00000537 B		0.00000872 U*		0.00000131 U*		0.00000398 J	
PCB-30/18	UG/L	T			0.00000188 B		0.0000077 B		0.00000355 J		0.00000127 U*		0.00000136 U*		0.00000974 U*	
PCB-44/47/65	UG/L	T			0.00000332 B		0.00000648 J		0.00000389 J		0.00000127 J		0.00000174 J		0.00000174 U*	
PCB-50/53	UG/L	T			ND (0.000000978)		ND (0.00000171)		ND (0.00000231)		ND (0.00000205)	U	ND (0.00000212)	U	0.00000328 J	
PCB-59/62/75	UG/L	T			ND (0.000000707)		ND (0.00000135)		ND (0.00000179)		ND (0.00000156)	U	ND (0.00000161)	U	ND (0.000000807)	U
PCB-61/70/74/76	UG/L	T			0.00000329 B		0.00000498 J		ND (0.00000211)		0.00000608 EMPC J		0.00000162 J		0.00000147 U*	
PCB-69/49	UG/L	T			ND (0.000000796)		0.000003 J		0.00000246 J		0.00000295 EMPC J		0.00000685 J		0.00000794 U*	
PCB-71/40	UG/L	T			ND (0.000000921)		ND (0.00000158)		ND (0.00000213)		ND (0.00000211)	U	0.00000513 J		0.00000394 U*	
TOTAL DICHOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000222 B		0.00000334 B		0.00000136 B		0.00000657 U*		0.00000717 U*		0.00000382 B	
TOTAL HEPTACHOROBIPHENYLS (CONGENERS)	UG/L	D			0.000124 EMPC											
TOTAL HEPTACHOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000319 B		0.00000508 EMPC		0.00000281 B		0.000001 EMPC J		0.00000613 J		0.00000223 J	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S	MW-14S
				Date	11/13/08	5/29/09	10/22/09	5/24/10	10/5/10	4/11/11	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000564 B		0.0000202 EMPC		0.0000569 EMPC		0.0000181 J		0.000096 EMPC J		0.0000691 U*
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D			0.00000507 EMPC											
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000205 B		ND (0.00000214)		ND (0.00000142)		0.00000602 EMPC J		0.0000194 EMPC J		0.00000355 J
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D			0.0000216 EMPC											
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000726		ND (0.00000461)		ND (0.00000543)		ND (0.00000293) U		0.00000596 J		ND (0.00000225) U
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D			0.0000401 EMPC											
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.000013 B		ND (0.00000191)		ND (0.00000233)		ND (0.00000111) U		0.0000204 EMPC J		0.00000615 U*
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000324 B		0.0000302 EMPC		0.0000353 EMPC		0.0000353 J		0.0000951 J		0.000151 U*
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.0000108 B		0.000024 EMPC		0.0000115		0.0000386 EMPC J		0.0000773 EMPC J		0.0001 J
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T				0.00000924 B		0.0000304 B		0.0000111 B		0.0000492 EMPC J		0.0000661 EMPC J		0.0000257 EMPCJ
ALUMINUM	UG/L	D	37000	UG/L	ND (80.2)	ND (80.2)						ND (80.2)	ND (80.2)		ND (80.2)	ND (80.2)
ALUMINUM	UG/L	T	37000	UG/L	3290	3010 J						131 J	135 B		654	143 J
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)	ND (9.7)	ND (9.7)					ND (9.7)	ND (9.7)		ND (9.7)	ND (9.7)
ARSENIC	UG/L	D	10	UG/L	1.4 J	ND (0.95)	ND (7.2)					ND (0.67)	ND (0.7)		0.7 J	0.82 J
ARSENIC	UG/L	T	10	UG/L	2.3	ND (0.95)	ND (1.9)	ND (0.95)	1.3 J	ND (0.95)		ND (0.67)	ND (0.7)		0.94 J	1 J
BARIUM	UG/L	D	2000	UG/L	31.9	35						19.1	16.3		124	55.7
BARIUM	UG/L	T	2000	UG/L	49.6	42.9						19.1	21.1		129	68.3
BERYLLIUM	UG/L	T	4	UG/L	ND (0.9)	0.14 J						ND (0.94)	ND (0.9)		ND (0.94)	ND (0.9)
CADMIUM	UG/L	D	5	UG/L	ND (2)	ND (2)						1.8 J	ND (0.9)		ND (0.91)	ND (0.9)
CADMIUM	UG/L	T	5	UG/L	ND (2)	ND (2)						1.1 J	ND (0.9)		ND (0.91)	ND (0.9)
CALCIUM	UG/L	D			36500	240000						65500	48700		64600	37600
CALCIUM	UG/L	T			31500	310000						66600	66300		62200	49800
CHROMIUM	UG/L	D	100	UG/L	ND (3)	ND (3.4)						2.4 J	3.6 J		ND (2.3)	ND (2.3)
CHROMIUM	UG/L	T	100	UG/L	6.2 J	7.9 J						15.2	8.1 J		10.4 J	5.2 J
COBALT	UG/L	D	11	UG/L	ND (2.1)	3.7 J						4.5 J	ND (2.1)		^13.2	^14.3
COBALT	UG/L	T	11	UG/L	2.5 B	5.9						4.7 J	3.4 J		^13.7	^12.3
COPPER	UG/L	D	1300	UG/L	9 J	ND (2.7)						30.6	6.7 B		8.4 J	6.6 B
COPPER	UG/L	T	1300	UG/L	17.7	6.4 J						16.5	33.6		11.5	18
FERROUS IRON	UG/L	T			290 B	210						120 J	1000 J		760 J	1400 J
IRON	UG/L	D	26000	UG/L	90.9 J	ND (52.2)						70.3 J	118 B		190 J	1560
IRON	UG/L	T	26000	UG/L	3720	4010						327 J	724 B		1370	2020
LEAD	UG/L	D	15	UG/L	0.052 B	ND (0.05)						1.7 J	1 B		0.17 B	0.26 J
LEAD	UG/L	T	15	UG/L	5	1.7						1.1 J	10.3		2.3	3.1
MAGNESIUM	UG/L	D			11600	13700						50100	35800		13100	11500
MAGNESIUM	UG/L	T			11000	16500						50900	48400		12800	14100
MANGANESE	UG/L	D	880	UG/L	5.5 B	515	^1680					403	286		517	338
MANGANESE	UG/L	T	880	UG/L	48.9	634	^1740	565	47.3	763		440	458		515	328
MERCURY	UG/L	D	2	UG/L	ND (0.056)	ND (0.056)						ND (0.056)	ND (0.056)		ND (0.056)	ND (0.056)
MERCURY	UG/L	T	2	UG/L	ND (0.056)	ND (0.056)						ND (0.056)	ND (0.056)		ND (0.056)	ND (0.056)
NICKEL	UG/L	D	730	UG/L	ND (5.6)	3.1 J						41.5	21.8		42	42.6
NICKEL	UG/L	T	730	UG/L	ND (5.6)	4.4 J						39.1	25.7		45.2	37.6
POTASSIUM	UG/L	D			14900	4000						700	737		10200	4290
POTASSIUM	UG/L	T			15300	4560						716	869		10200	4840
SELENIUM	UG/L	T	50	UG/L	ND (10.7)	1.1 J						ND (9.4)	ND (9.4)		ND (9.4)	ND (9.4)
SILVER	UG/L	D	180	UG/L	ND (2.2)	ND (2.3)						ND (1.6)	ND (1.6)		ND (1.6)	ND (1.6)
SODIUM	UG/L	D			9120	70300						250000	192000		264000	193000
SODIUM	UG/L	T			8070	81300						244000	215000		260000	217000
THALLIUM	UG/L	D	2	UG/L	ND (0.15)	ND (0.15)	^26.2 J					ND (0.037)	ND (0.037)		0.055 J	ND (0.037)
THALLIUM	UG/L	T	2	UG/L	ND (0.15)	ND (0.15)	^ND (14)	ND (0.15)	ND (0.15)	ND (0.15)		ND (0.037)	ND (0.037)		0.054 J	ND (0.037)
TITANIUM	UG/L	D			4.1 J	ND (3.8)						ND (2.8)	ND (2.8)		ND (2.8)	ND (2.8)
TITANIUM	UG/L	T			115	117						4.9 J	ND (28)		26.1	6 J
VANADIUM	UG/L	D			ND (2.5)	ND (2.5)						ND (1.5)	1.6 J		ND (1.5)	ND (1.5)
VANADIUM	UG/L	T			9.2	14						ND (1.5)	2.3 J		3.9 J	1.6 J
ZINC	UG/L	D	11000	UG/L	46.2	ND (8.1)						887	75.3		54.5	35.2
ZINC	UG/L	T	11000	UG/L	31.6 B	13.9 J						123	347		50.1	47.1

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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-12S	MW-13S	MW-13S	MW-13S	MW-14S	MW-14S
				Date	11/13/08	5/29/09	10/22/09	5/24/10	10/5/10	4/11/11	5/21/07	5/17/07	8/20/07	8/20/07	5/23/07	8/22/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			71000	39000						36500	48800		115000	137000
AMMONIA	UG/L	T			ND (200)	ND (200)						ND (200)	ND (200)		ND (200)	ND (200)
CHLORIDE	UG/L	T			40300	560000						361000	461000		353000 J	302000
CYANIDE	UG/L	T	200	UG/L	ND (5)	ND (5)						ND (5)	ND (5) UJ		ND (5)	ND (5)
FERRIC IRON	UG/L	T			3400	3800						210	ND (52)		610	650
NITRATE	UG/L	T	10000	UG/L	ND (40) UJ	1700						ND (40) UJ	ND (40)		130	ND (40)
NITRITE	UG/L	T	1000	UG/L	28 J	ND (15)						ND (15)	ND (15)		ND (15)	ND (15) UJ
PHOSPHORUS	UG/L	T			2300	ND (250)						ND (250)	ND (250)		ND (250)	ND (250)
SILICA	UG/L	T			5400	15500						39300	43700		39900 J	40000 J
SULFATE	UG/L	T			23100	89200						349000	395000		107000	89800
TOTAL HARDNESS AS CaCO3	UG/L	T			124000							375000	365000		195000 J	198000
TOTAL ORGANIC CARBON	UG/L	T			14900	1800 B						2600	4400		2700	2700
TOTAL SUSPENDED SOLIDS	UG/L	T			75500	32800						8400 B	37600		65600	13600
COLOR QUALITATIVE (FIELD)	NS	T			Brown	clear	Lt Brn	NS	NS	Clear	Clear	Clear		clr	Clear	clr
DISSOLVED OXYGEN (FIELD)	UG/L	T			4880	670	410	890	-2500	930	440	5620		2230	2720	1130
ODOR (FIELD)	NS	T			No	none	No	NS	NS	None	No	No		no	No	no
OVABZONE	PPM	T						NS	NS			NR			NR	
OVACASING	PPM	T						NS	NS			NR			NR	
TOTAL WELL DEPTH	Feet	T							NS							
HPCDFS	UG/L	D			0.00000223	EMPC										
HPCDFS	UG/L	T				0.00000196 B						ND (0.00000162) U			ND (0.00000138) U	0.0000014 U*

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-17S	MW-17S	
				Date	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/24/07	8/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	ND (0.8)	ND (0.8)	2 J	1 J				ND (0.8)	ND (0.8)	
ACETONE	UG/L	T	22000	UG/L	12 J	ND (6)	ND (6)	ND (6)				ND (6)	ND (6)	
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)				ND (0.5)	ND (0.5)	
CHLOROFORM	UG/L	T	0.19	UG/L	^3 J	^3 J	^ND (0.8)	^ND (0.8)				^ND (0.8)	^ND (0.8)	
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	ND (0.8)	ND (0.8)	ND (0.8)	1 J				ND (0.8)	ND (0.8)	
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	2 J	3 J	ND (0.8)	ND (0.8)				ND (0.8)	ND (0.8)	
TRICHLOROETHENE	UG/L	T	5	UG/L	1 J	2 J	ND (1)	ND (1)				ND (1)	ND (1)	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	ND (2)	ND (2)	ND (2)	ND (2)				ND (2)	ND (2)	
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	ND (2)	ND (2)	ND (2)	ND (2)				ND (2)	ND (2)	
FLUORANTHENE	UG/L	T	1500	UG/L	ND (1)	ND (1)	ND (1)	ND (1)				ND (1)	ND (1)	
NAPHTHALENE	UG/L	T	0.14	UG/L	^ND (1)	^ND (1)	^ND (1)	^ND (1)				^ND (1)	^ND (1)	
1,2,3,4,6,7,8-HPCDD	UG/L	D												
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.0000386) U	ND (0.0000362) U	ND (0.0000157) U	0.0000248 EMPCJ	ND (0.00003515519)		ND (0.0000106)	0.0000797 J	0.0000135 J	
1,2,3,4,6,7,8-HPCDF	UG/L	D												
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.0000211) U	ND (0.00000789) U	ND (0.00000844) U	ND (0.00000491) U	ND (0.0000181949)		ND (0.00000623)	ND (0.00000794) U	ND (0.00000726) U	
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.0000343) U	ND (0.0000156) U	ND (0.0000125) U	ND (0.00000839) U	ND (0.0000253754)		ND (0.00000966)	ND (0.0000136) U	ND (0.0000134) U	
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.00000282) U	ND (0.00000766) U	ND (0.0000025) U	ND (0.00000479) U	ND (0.00001076827)		ND (0.00000412)	ND (0.00000251) U	ND (0.00000397) U	
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.00000364) U	ND (0.00000944) U	ND (0.00000314) U	ND (0.00000561) U	ND (0.00001164353)		ND (0.00000462)	ND (0.00000332) U	ND (0.00000488) U	
2,3,4,7,8-PECDF	UG/L	T			ND (0.0000178) U	ND (0.0000168) U	ND (0.00000807) U	ND (0.0000114) U	ND (0.00001097982)		ND (0.00000691)	ND (0.00000738) U	ND (0.0000105) U	
2,3,7,8-TCDF	UG/L	T			ND (0.0000125) U	ND (0.00000652) U	ND (0.00000474) U	ND (0.00000364) U	ND (0.00001005287)		ND (0.00000715)	ND (0.00000736) U	ND (0.00000505) U	
HPCDDS	UG/L	D												
HPCDDS	UG/L	T			ND (0.0000386) U	ND (0.0000362) U	ND (0.0000157) U	0.0000551 EMPC				0.0000199 EMPC J	0.0000403	
HXCDDS	UG/L	T			ND (0.0000237) U	ND (0.0000291) U	ND (0.0000139) U	ND (0.0000135) U				0.0000152 J	0.0000104 J	
HXCDFS	UG/L	T			ND (0.00000351) U	ND (0.00000862) U	ND (0.00000307) U	ND (0.0000054) U				ND (0.00000314) U	ND (0.00000453) U	
OCDD	UG/L	D												
OCDD	UG/L	T			0.0000286 J	ND (0.0000761) U	0.0000539	0.000125	ND (0.00001012281)		ND (0.0000221)	0.000463	0.000479	
OCDF	UG/L	T			ND (0.00000932) U	ND (0.0000129) U	ND (0.00000488) U	ND (0.00000668) U	ND (0.00000472453)		ND (0.00000359)	ND (0.00000983) U	ND (0.00000706) U	
TCDDS	UG/L	T			ND (0.0000054) U	0.00000851 U*	ND (0.00000369) U	0.0000131 U*	ND (0.0000131138)		ND (0.00000825)	ND (0.00000627) U	0.0000151 EMPCJ	
TCDFS	UG/L	T			ND (0.0000125) U	ND (0.00000652) U	ND (0.00000474) U	ND (0.00000364) U	ND (0.00001005287)		ND (0.00000715)	ND (0.00000736) U	ND (0.00000505) U	
TOTAL HPCDD	UG/L	T							ND (0.00003515519)		ND (0.0000106)			
TOTAL HPCDF	UG/L	T							ND (0.00002142091)		ND (0.00000774)			
TOTAL HXCDD	UG/L	T							ND (0.00001687415)		ND (0.00000943)			
TOTAL PECDD	UG/L	T							ND (0.00001305963)		ND (0.00000895)			
TOTAL PECDDS	UG/L	T			ND (0.00000713) U	ND (0.0000131) U	ND (0.00000693) U	ND (0.0000103) U				ND (0.00000525) U	0.0000118 J	
TOTAL PECDF	UG/L	T							ND (0.00001083618)		ND (0.00000677)			
PCB 1	UG/L	D												
PCB 1	UG/L	T			0.00000464 J	0.00000239 EMPCJ	ND (0.0000244) U	0.00000513 J	ND (0.00000399)		0.0000019 J	0.00000307 U*	0.00000329 EMPCJ	
PCB 10	UG/L	T			ND (0.0000246) U	ND (0.0000162) U	ND (0.00000492) U	ND (0.0000134) U	ND (0.0000197)		ND (0.00000415)	ND (0.0000089) U	ND (0.00000213) U	
PCB 105	UG/L	D	0.017	UG/L										
PCB 105	UG/L	T	0.017	UG/L	0.00000219 J	0.00000223 U*	ND (0.0000198) U	0.00000413 U*	ND (0.00000545)		ND (0.00000146)	0.00000191 J	0.00000524	
PCB 109	UG/L	D												
PCB 109	UG/L	T			ND (0.0000116) U	ND (0.00000738) U	ND (0.000017) U	ND (0.00000825) U	ND (0.00000391)		ND (0.0000122)	ND (0.00000803) U	0.00000414 J	
PCB 11	UG/L	T			0.0000874 U*	0.00000797 U*	0.0000748 U*	0.0000369 U*	0.0000356 B		0.0000417	0.0000546 U*	0.0000631 U*	
PCB 110	UG/L	T			0.0000107	0.000011 U*	0.00000659 J	0.0000227 U*	ND (0.00000402)		0.00000309 J	0.00000838 B	0.000134	
PCB 117	UG/L	T			ND (0.0000177) U	ND (0.00000916) U	ND (0.00000257) U	ND (0.0000102) U	ND (0.0000046)		ND (0.0000138)	ND (0.0000112) U	ND (0.000002) U	
PCB 118	UG/L	T	0.017	UG/L	0.00000425 EMPC J	0.00000467 U*	0.000004 U*	0.00000939 U*	ND (0.00000523)		0.00000347 J	0.00000473 J	0.0000884	
PCB 130	UG/L	D												
PCB 130	UG/L	T			ND (0.0000149) U	ND (0.0000107) U	ND (0.0000021) U	ND (0.0000101) U	ND (0.0000047)		ND (0.0000159)	ND (0.0000111) U	0.00000771 J	
PCB 132	UG/L	D												
PCB 132	UG/L	T			0.00000308 EMPC J	0.00000243 U*	ND (0.0000178) U	0.00000595 U*	ND (0.00000403)		ND (0.0000131)	0.00000266 J	0.0000438	
PCB 134	UG/L	T			ND (0.0000173) U	ND (0.0000116) U	ND (0.00000243) U	ND (0.0000109) U	ND (0.00000516)		ND (0.0000149)	ND (0.0000127) U	0.00000802 EMPCJ	
PCB 136	UG/L	T			0.00000201 J	0.00000148 U*	ND (0.0000153) U	0.00000311 U*	ND (0.0000032)		ND (0.0000121)	0.00000122 EMPC J	0.0000148	
PCB 137	UG/L	D												
PCB 137	UG/L	T			ND (0.0000108) U	ND (0.00000761) U	ND (0.0000153) U	ND (0.00000715) U	ND (0.00000503)		ND (0.0000139)	ND (0.00000822) U	0.0000045 EMPCJ	
PCB 141	UG/L	D												

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-17S	MW-17S	
				Date	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/24/07	8/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 141	UG/L	T			ND (0.00000114) U	ND (0.00000843) U	ND (0.0000016) U	0.00000303 J	ND (0.00000379)	ND (0.00000122)	ND (0.00000838) U	0.0000173		
PCB 146	UG/L	D												
PCB 146	UG/L	T			ND (0.00000127) U	ND (0.00000866) U	ND (0.00000179) U	0.00000255 J	ND (0.00000357)	ND (0.00000114)	ND (0.00000906) U	0.00000856		
PCB 15	UG/L	D												
PCB 15	UG/L	T			0.00000469 J	ND (0.00000289) U	ND (0.00000674) U	ND (0.00000262) U	ND (0.0000231)	0.00000304 J	ND (0.0000027) U	ND (0.00000543) U		
PCB 158	UG/L	D												
PCB 158	UG/L	T			ND (0.00000101) U	ND (0.00000705) U	ND (0.00000142) U	0.00000204 U*	ND (0.00000291)	ND (0.00000999)	ND (0.00000743) U	0.0000107 EMPC		
PCB 16	UG/L	T			0.00000678 J	ND (0.00000188) U	0.00000556 J	0.00000337 EMPCJ	ND (0.00000694)	0.00000205 J	0.00000311 EMPC J	ND (0.00000308) U		
PCB 162	UG/L	T			ND (0.00000123) U	ND (0.00000913) U	ND (0.00000193) U	ND (0.00000852) U	ND (0.00000427)	ND (0.00000149)	ND (0.00000087) U	ND (0.00000182) U		
PCB 164	UG/L	D												
PCB 164	UG/L	T			ND (0.00000885) U	ND (0.00000629) U	ND (0.00000125) U	ND (0.00000591) U	ND (0.00000273)	ND (0.00000999)	ND (0.00000633) U	0.00000672 J		
PCB 167	UG/L	D	0.017	UG/L										
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000128) U	ND (0.00000921) U	ND (0.00000201) U	ND (0.00000859) U	ND (0.00000437)	ND (0.00000159)	ND (0.00000911) U	ND (0.00000183) U		
PCB 17	UG/L	T			0.00000391 U*	0.00000185 J	0.00000439 J	0.00000331 J	ND (0.00000577)	0.00000305 J	0.0000039 U*	ND (0.00000215) U		
PCB 170	UG/L	D												
PCB 170	UG/L	T			0.00000223 EMPC J	ND (0.00000109) U	ND (0.00000207) U	0.00000397 U*	ND (0.00000661)	ND (0.00000177)	0.00000197 J	0.0000141 U*		
PCB 172	UG/L	D												
PCB 174	UG/L	D												
PCB 174	UG/L	T			ND (0.00000207) U	ND (0.00000116) U	ND (0.0000022) U	0.00000535 U*	ND (0.00000633)	ND (0.00000162)	ND (0.00000108) U	0.0000017 B		
PCB 177	UG/L	D												
PCB 177	UG/L	T			ND (0.00000219) U	ND (0.00000121) U	ND (0.00000232) U	0.00000279 J	ND (0.00000681)	ND (0.00000168)	ND (0.00000117) U	0.0000113		
PCB 178	UG/L	D												
PCB 179	UG/L	T			ND (0.00000973) U	ND (0.00000075) U	ND (0.0000014) U	0.00000207 EMPCJ	ND (0.00000442)	ND (0.00000101)	0.00000104 EMPC J	0.00000641 U*		
PCB 183	UG/L	D												
PCB 183	UG/L	T			ND (0.0000016) U	ND (0.00000896) U	ND (0.0000017) U	0.00000228 EMPCJ	ND (0.00000598)	ND (0.0000013)	ND (0.00000883) U	0.00000664 EMPCJ		
PCB 185	UG/L	D												
PCB 187	UG/L	T			0.00000352 J	0.00000185 U*	ND (0.00000208) U	0.00000636 U*	ND (0.00000591)	ND (0.00000148)	0.00000307 EMPC J	0.0000188 B		
PCB 19	UG/L	T			0.00000216 EMPC J	ND (0.00000149) U	ND (0.00000263) U	ND (0.0000014) U	ND (0.00000724)	ND (0.00000154)	0.00000175 EMPC J	ND (0.00000243) U		
PCB 190	UG/L	D												
PCB 194	UG/L	D												
PCB 194	UG/L	T			0.0000028 EMPC J	0.00000232 J	ND (0.00000212) U	0.00000415 J	ND (0.00000471)	ND (0.00000214)	0.00000216 J	0.00000988 B		
PCB 195	UG/L	D												
PCB 196	UG/L	D												
PCB 196	UG/L	T			ND (0.00000107) U	ND (0.00000695) U	ND (0.00000169) U	0.00000153 EMPCJ	ND (0.00000583)	ND (0.0000016)	ND (0.00000892) U	0.00000485 EMPCJ		
PCB 2	UG/L	D												
PCB 2	UG/L	T			ND (0.00000172) U	ND (0.00000913) U	ND (0.00000263) U	ND (0.00000935) U	ND (0.00000349)	0.00000172 J	0.00000241 J	ND (0.00000171) U		
PCB 202	UG/L	D												
PCB 202	UG/L	T			ND (0.00000894) U	ND (0.00000057) U	ND (0.00000141) U	0.00000109 EMPCJ	ND (0.00000595)	ND (0.0000014)	ND (0.00000666) U	ND (0.00000148) U		
PCB 203	UG/L	D												
PCB 203	UG/L	T			ND (0.00000114) U	ND (0.000000755) U	ND (0.00000179) U	0.00000275 J	ND (0.00000561)	ND (0.00000154)	ND (0.00000948) U	0.00000695 J		
PCB 206	UG/L	D												
PCB 206	UG/L	T			ND (0.00000274) U	ND (0.00000268) U	ND (0.00000386) U	ND (0.00000277) U	ND (0.0000157)	ND (0.0000029)	ND (0.00000192) U	ND (0.00000579) U		
PCB 207	UG/L	D												
PCB 208	UG/L	D												
PCB 208	UG/L	T			ND (0.00000189) U	ND (0.00000173) U	ND (0.00000283) U	ND (0.00000197) U	ND (0.0000126)	ND (0.00000213)	ND (0.00000127) U	ND (0.00000408) U		
PCB 209	UG/L	D												
PCB 209	UG/L	T			0.00000374 EMPC J	ND (0.0000012) U	ND (0.00000203) U	0.00000101 EMPC	ND (0.00000523)	ND (0.00000297)	0.00000314 J	0.00000709 J		
PCB 22	UG/L	T			0.00000364 J	ND (0.00000129) U	0.00000303 EMPC J	ND (0.00000149) U	ND (0.00000534)	0.00000189 J	0.00000201 U*	ND (0.00000275) U		
PCB 3	UG/L	D												
PCB 3	UG/L	T			0.00000557 J	ND (0.00000912) U	ND (0.00000257) U	ND (0.00000934) U	ND (0.0000042)	0.00000315 J	0.00000325 U*	ND (0.0000017) U		
PCB 31	UG/L	T			0.00000793 U*	0.00000323 J	0.00000668 U*	0.00000513 J	0.00000672 B	0.00000415 J	0.00000615 U*	0.00000577 U*		
PCB 32	UG/L	T			0.00000341 J	0.00000136 J	0.00000289 J	0.0000019 EMPCJ	ND (0.00000408)	0.00000281 J	0.00000201 J	ND (0.00000151) U		
PCB 37	UG/L	T			ND (0.00000197) U	ND (0.00000138) U	ND (0.00000308) U	ND (0.0000016) U	ND (0.0000065)	ND (0.00000116)	0.00000173 J	ND (0.00000295) U		
PCB 4	UG/L	D												
PCB 4	UG/L	T			0.00000776 U*	0.00000655 J	0.00000822 U*	0.00000816 J	ND (0.0000352)	ND (0.00000708)	0.00000645 U*	0.00000771 J		

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-17S	MW-17S	
				Date	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/24/07	8/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 41	UG/L	T			ND (0.00000158) U	ND (0.00000123) U	ND (0.00000281) U	ND (0.00000121) U	ND (0.00000715)	ND (0.00000166)	ND (0.00000108) U	ND (0.00000208) U		
PCB 42	UG/L	T			ND (0.00000169) U	ND (0.00000136) U	ND (0.000003) U	ND (0.00000134) U	ND (0.00000664)	ND (0.00000177)	ND (0.0000011) U	ND (0.00000231) U		
PCB 45	UG/L	T			ND (0.00000157) U	ND (0.00000117) U	ND (0.00000279) U	ND (0.00000115) U	ND (0.0000057)	ND (0.00000144)	ND (0.000000946) U	ND (0.00000197) U		
PCB 48	UG/L	T			ND (0.00000137) U	ND (0.00000109) U	ND (0.00000243) U	ND (0.00000108) U	ND (0.00000556)	ND (0.0000015)	ND (0.000000909) U	ND (0.00000185) U		
PCB 51	UG/L	T			ND (0.00000137) U	ND (0.00000115) U	ND (0.00000244) U	ND (0.00000113) U	ND (0.00000647)	0.000122	0.00000272 EMPC J	ND (0.00000194) U		
PCB 52	UG/L	T			0.0000116 U*	0.0000159 U*	0.00000738 U*	0.0000182 U*	ND (0.00000559)	0.00000554 J	0.00000798 U*	0.0000455 U*		
PCB 56	UG/L	T			0.00000272 J	ND (0.00000108) U	ND (0.00000244) U	0.00000169 J	ND (0.00000543)	ND (0.000000903)	0.00000142 J	ND (0.00000241) U		
PCB 6	UG/L	D												
PCB 6	UG/L	T			0.00000345	ND (0.00000267) U	ND (0.00000653) U	ND (0.00000242) U	ND (0.000019)	ND (0.00000333)	ND (0.0000025) U	ND (0.00000502) U		
PCB 60	UG/L	T			ND (0.00000133) U	ND (0.000000948) U	ND (0.00000212) U	ND (0.00000101) U	ND (0.00000552)	ND (0.000000882)	ND (0.000000901) U	ND (0.00000212) U		
PCB 64	UG/L	T			0.0000028 J	0.0000015 U*	0.00000205 EMPC J	0.00000215 U*	ND (0.00000471)	0.00000168 J	0.00000175 J	0.00000548 U*		
PCB 66	UG/L	T			0.0000041 J	ND (0.00000106) U	ND (0.00000225) U	0.00000285 U*	ND (0.00000545)	0.00000275 J	0.00000249 J	0.0000102 U*		
PCB 68	UG/L	T			ND (0.00000128) U	ND (0.000000964) U	ND (0.00000204) U	ND (0.00000103) U	ND (0.00000606)	0.0000826	0.000000929 EMPC J	ND (0.00000216) U		
PCB 7	UG/L	T			ND (0.00000366) U	ND (0.00000237) U	ND (0.00000576) U	ND (0.00000214) U	ND (0.0000189)	0.00000251 J	ND (0.00000227) U	ND (0.00000445) U		
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000148) U	ND (0.0000012) U	ND (0.00000235) U	ND (0.00000123) U	ND (0.00000699)	ND (0.00000123)	ND (0.00000101) U	ND (0.00000264) U		
PCB 8	UG/L	T			0.0000122 U*	0.00000559 J	0.00000859 U*	0.00000865 J	ND (0.0000188)	0.00000532 J	0.00000726 U*	0.00000606 J		
PCB 82	UG/L	T			ND (0.00000214) U	ND (0.00000143) U	ND (0.00000312) U	ND (0.0000016) U	ND (0.00000693)	ND (0.00000193)	ND (0.00000151) U	0.0000124		
PCB 84	UG/L	T			ND (0.00000182) U	0.00000331 U*	ND (0.00000266) U	0.00000452 U*	ND (0.00000645)	ND (0.00000177)	ND (0.00000125) U	0.0000262 U*		
PCB 9	UG/L	T			0.00000373	ND (0.00000269) U	ND (0.00000639) U	ND (0.00000244) U	ND (0.0000189)	ND (0.0000033)	ND (0.00000254) U	ND (0.00000507) U		
PCB 91	UG/L	T			ND (0.00000137) U	ND (0.000000939) U	ND (0.000002) U	ND (0.00000105) U	ND (0.00000599)	ND (0.00000172)	ND (0.000000955) U	0.00000605 U*		
PCB 92	UG/L	T			ND (0.00000195) U	0.00000229 J	ND (0.00000284) U	0.00000334 J	ND (0.00000641)	ND (0.00000176)	ND (0.00000132) U	0.0000124		
PCB 95	UG/L	T			0.00000663 J	0.0000106 U*	ND (0.00000238) U	0.0000157 U*	ND (0.00000547)	0.00000394 J	0.00000617 U*	0.0000599 U*		
PCB 99	UG/L	T			0.00000462 U*	0.00000341 U*	ND (0.00000237) U	0.00000632 U*	ND (0.00000489)	ND (0.00000146)	0.00000287 U*	0.0000254 U*		
PCB-108/119/86/97/125/87	UG/L	T			0.00000667 J	0.00000705 J	ND (0.00000224) U	0.0000109 J	ND (0.00000156)	ND (0.00000156)	0.00000557 J	0.0000716 U*		
PCB-113/90/101	UG/L	T			0.0000086 U*	0.0000104 U*	0.00000643 U*	0.0000171 U*	ND (0.00000553)	0.00000581 J	0.00000836 U*	0.0000773 U*		
PCB-116/85	UG/L	D												
PCB-116/85	UG/L	T			ND (0.00000134) U	ND (0.000000965) U	ND (0.00000195) U	ND (0.00000108) U	ND (0.00000631)	ND (0.00000172)	ND (0.00000096) U	0.0000102 EMPCJ		
PCB-128/166	UG/L	D												
PCB-128/166	UG/L	T			ND (0.00000139) U	ND (0.00000106) U	ND (0.00000219) U	0.00000343 U*	ND (0.00000429)	ND (0.00000152)	0.00000157 J	0.0000263		
PCB-147/149	UG/L	T			0.00000676 J	0.0000055 U*	0.00000371 EMPC J	0.0000154 U*	ND (0.00000362)	0.00000219 J	0.00000641 U*	0.0000641		
PCB-151/135	UG/L	T			0.00000384 J	0.00000277 U*	ND (0.00000188) U	0.00000685 U*	ND (0.00000393)	ND (0.00000127)	ND (0.000000901) U	0.0000245		
PCB-153/168	UG/L	D												
PCB-153/168	UG/L	T			0.00000674 J	0.000005 U*	0.0000037 J	0.0000119 U*	ND (0.00000327)	0.00000249 J	0.00000789 U*	0.0000557		
PCB-156/157	UG/L	D												
PCB-156/157	UG/L	T			ND (0.00000153) U	ND (0.00000125) U	ND (0.00000261) U	0.00000216 J	ND (0.00000596)	ND (0.00000226)	ND (0.0000012) U	0.0000147 J		
PCB-163/138/129	UG/L	D												
PCB-163/138/129	UG/L	T			0.00000847 J	0.00000661 U*	0.00000447 J	0.0000192 U*	ND (0.00000392)	0.00000272 J	0.00000731 U*	0.00011		
PCB-171/173	UG/L	D												
PCB-180/193	UG/L	D												
PCB-180/193	UG/L	T			0.00000544 J	0.00000293 J	ND (0.00000169) U	0.0000096 J	ND (0.00000561)	ND (0.00000134)	0.00000559 J	0.0000289 U*		
PCB-198/199	UG/L	D												
PCB-198/199	UG/L	T			ND (0.00000131) U	ND (0.000000858) U	ND (0.00000206) U	0.00000372 J	ND (0.00000635)	ND (0.0000017)	ND (0.00000106) U	0.00000995 U*		
PCB-21/33	UG/L	T			0.00000476 J	ND (0.00000111) U	0.0000041 J	0.00000245 EMPCJ	ND (0.00000617)	0.00000541 J	0.00000369 U*	ND (0.00000238) U		
PCB-26/29	UG/L	T			0.00000227 EMPC J	ND (0.00000121) U	ND (0.00000258) U	ND (0.0000014) U	ND (0.00000527)	ND (0.000000933)	ND (0.00000106) U	ND (0.00000258) U		
PCB-28/20	UG/L	T			0.0000102 U*	0.00000297 J	0.00000811 U*	0.0000053 J	0.000011 B	0.00000767 J	0.0000083 U*	0.00000593 U*		
PCB-30/18	UG/L	T			0.000015 U*	0.00000512 U*	0.00000913 U*	0.00000902 U*	0.00000847 B	0.000004 J	0.00000892 U*	0.00000717 U*		
PCB-44/47/65	UG/L	T			0.0000119 J	0.00000685 U*	0.0000109 J	0.0000089 U*	ND (0.00000575)	0.000103	0.0000127 J	0.000019 J		
PCB-50/53	UG/L	T			ND (0.00000141) U	0.00000167 J	ND (0.0000025) U	0.00000194 J	ND (0.00000606)	ND (0.00000165)	ND (0.0000009) U	ND (0.00000187) U		
PCB-59/62/75	UG/L	T			ND (0.00000107) U	ND (0.000000853) U	ND (0.0000019) U	ND (0.000000841) U	ND (0.00000482)	ND (0.00000133)	ND (0.000000706) U	ND (0.00000144) U		
PCB-61/70/74/76	UG/L	T			0.00000758 J	0.00000533 J	0.00000488 EMPC J	0.00000965 J	ND (0.0000054)	0.00000501 J	0.00000577 J	0.000034 U*		
PCB-69/49	UG/L	T			0.00000391 EMPC J	0.00000391 U*	0.00000195 EMPC	0.00000545 U*	ND (0.00000537)	0.0000044 J	0.00000304 J	0.00000876 U*		
PCB-71/40	UG/L	T			ND (0.00000145) U	0.00000189 U*	ND (0.00000257) U	0.00000284 U*	ND (0.00000546)	ND (0.00000156)	0.00000201 J	ND (0.00000202) U		
TOTAL DICHOROBIPHENYLS (CONGENERS)	UG/L	T			0.000119 J	0.0000201 J	0.0000916 U*	0.0000537 J	0.0000356 B	0.0000525	0.0000683 U*	0.0000768 J		
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000112 EMPC J	0.00000478 J	ND (0.00000187) U	0.0000324 EMPCJ	ND (0.00000576)	ND (0.0000014)	0.0000117 EMPC J	0.000103 EMPCJ		

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 < and ND = Non detect at stated reporting limit

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Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-17S	MW-17S	
				Date	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/24/07	8/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000309 EMPC J	0.0000238 U*	0.0000119 EMPC J	0.0000756 J	ND (0.00000477)		0.00000739	0.0000271 EMPC J	0.000417 EMPCJ	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000102 J	0.00000239 EMPC	ND (0.00000251) U	0.00000513 J	ND (0.0000041)		0.00000677	0.00000873 J	0.00000329 EMPCJ	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000231) U	ND (0.0000022) U	ND (0.00000335) U	ND (0.00000237) U	ND (0.0000142)		ND (0.00000252)	ND (0.00000159) U	ND (0.00000494) U	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D												
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000028 EMPC J	0.00000232 J	ND (0.00000164) U	0.0000133 EMPCJ	ND (0.00000525)		ND (0.00000171)	0.00000216 J	0.00000316 EMPCJ	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000437 EMPC J	0.000055 J	0.000017 EMPC J	0.0000941 J	ND (0.00000497)		0.0000163	0.000038 EMPC J	0.00058 EMPCJ	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000446 EMPC J	0.0000371 J	0.0000271 EMPC J	0.0000537 J	ND (0.00000598)		0.000327	0.0000408 EMPC J	0.000123 J	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00006 EMPC J	0.0000145 J	0.0000439 EMPC J	0.0000305 EMPCJ	0.0000261 B		0.000031	0.0000416 EMPC J	0.0000189 U*	
ALUMINIUM	UG/L	D	37000	UG/L	125 J	174 J	ND (80.2)	ND (80.2)		ND (80.2)	ND (83.4)	ND (80.2) UJ	394	
ALUMINIUM	UG/L	T	37000	UG/L	494 J	1490 J	479	294		ND (80.2)	ND (83.4)	ND (80.2) UJ	ND (80.2)	
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)				ND (9.7)	^10.2 J	
ARSENIC	UG/L	D	10	UG/L	ND (0.7)	ND (0.7)	ND (0.67)	ND (0.7)				ND (0.7) UJ	1.5 J	
ARSENIC	UG/L	T	10	UG/L	1.1 J	1.9 J	ND (0.67)	ND (0.7)				ND (0.7) UJ	1.4 J	
BARIUM	UG/L	D	2000	UG/L	80.2	110	42.2	50.7		22.9	34.8	159	209	
BARIUM	UG/L	T	2000	UG/L	76.4	95.9	43.4	57		22.9	34.1	143	205	
BERYLLIUM	UG/L	T	4	UG/L	ND (0.9)	ND (0.9)	ND (0.94)	ND (0.9)		ND (1.4)	1.4 B	ND (0.9)	ND (0.9)	
CADMIUM	UG/L	D	5	UG/L	ND (0.9)	0.92 J	ND (0.91)	ND (0.9)		ND (2)	ND (2)	ND (0.9)	ND (0.9)	
CADMIUM	UG/L	T	5	UG/L	ND (0.9)	0.93 J	ND (0.91)	ND (0.9)		ND (2)	ND (2)	ND (0.9)	ND (0.9)	
CALCIUM	UG/L	D			28400	32900	90200	113000				111000	89900	
CALCIUM	UG/L	T			27800	30900	90400	106000				101000	87800	
CHROMIUM	UG/L	D	100	UG/L	2.6 B	ND (2.3)	ND (2.3)	ND (2.3)				ND (2.3)	7.9 J	
CHROMIUM	UG/L	T	100	UG/L	12 B	15.3	ND (2.3)	ND (2.3)				5.4 B	22.7	
COBALT	UG/L	D	11	UG/L	^110	^168	^11.4	^74.6		ND (2.1)	ND (2.3)	7.5	7.1	
COBALT	UG/L	T	11	UG/L	^113	^153	10.1	^44.4		ND (2.1)	ND (2.3)	8.9	8.7	
COPPER	UG/L	D	1300	UG/L	9.9 J	19.7	10.8	5 J		10.9	3.3 J	ND (2.2)	9.8 B	
COPPER	UG/L	T	1300	UG/L	10.4	32.1	13.4	5.4 J		12.1	ND (2.7)	3.9 J	13.1 B	
FERROUS IRON	UG/L	T			9.2 J	210 J	36 B	1400 J				20400 J	38800 J	
IRON	UG/L	D	26000	UG/L	61.8 J	107 J	152 J	2470		ND (52.2)	ND (52.2)	1940	^35100	
IRON	UG/L	T	26000	UG/L	1310	3410	1120	3380		147 J	53.7 J	22000	^42700	
LEAD	UG/L	D	15	UG/L	0.16 B	0.37 J	0.12 B	0.091 B		0.31 J	ND (0.052)	0.079 J	0.91 J	
LEAD	UG/L	T	15	UG/L	0.47 J	1.1	0.43 B	0.6 J		0.35 J	ND (0.052)	0.55 J	1	
MAGNESIUM	UG/L	D			20700	19700	40100	56300				58500	51700	
MAGNESIUM	UG/L	T			20800	21700	39600	45800				51000	51400	
MANGANESE	UG/L	D	880	UG/L	^1090	^1250	537	^2040		28.4	46.3 B	^10200	^6890	
MANGANESE	UG/L	T	880	UG/L	^1160	^1260	495	^2000		32.6	38.6 B	^9220	^6300	
MERCURY	UG/L	D	2	UG/L	ND (0.056)	0.064 J	ND (0.056)	ND (0.056)				ND (0.056)	ND (0.056) UJ	
MERCURY	UG/L	T	2	UG/L	ND (0.056)	0.057 J	ND (0.056)	ND (0.056)				ND (0.056)	ND (0.056)	
NICKEL	UG/L	D	730	UG/L	86.4	142	8.6 J	53.2		6.3 J	17	13	23.3	
NICKEL	UG/L	T	730	UG/L	80.3	122	8.3 J	27.9		5.6 J	16.3	12.8	24.8	
POTASSIUM	UG/L	D			2320	2540	8090	11300				4640	4660	
POTASSIUM	UG/L	T			2440	2650	8020	11300				4200	4630	
SELENIUM	UG/L	T	50	UG/L	ND (9.4)	ND (9.4)	ND (9.4)	ND (9.4)				ND (9.4)	ND (9.4)	
SILVER	UG/L	D	180	UG/L	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)				2.3 J	ND (1.6)	
SODIUM	UG/L	D			175000	137000	268000	427000				155000	151000	
SODIUM	UG/L	T			176000	163000	275000	378000				141000	148000	
THALLIUM	UG/L	D	2	UG/L	0.067 J	0.14 J	ND (0.037)	ND (0.037)				ND (0.037)	ND (0.037)	
THALLIUM	UG/L	T	2	UG/L	0.059 J	0.084 J	ND (0.037)	ND (0.037)				ND (0.037)	ND (0.037)	
TITANIUM	UG/L	D			ND (2.8)	ND (2.8)	ND (2.8)	ND (2.8)				ND (2.8)	16.6	
TITANIUM	UG/L	T			8.4 J	16.7	7.5 J	6.2 J				ND (2.8)	ND (2.8)	
VANADIUM	UG/L	D			ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)				ND (1.5)	ND (1.5)	
VANADIUM	UG/L	T			ND (1.5)	4.4 J	1.7 J	ND (1.5)				ND (1.5)	2.1 J	
ZINC	UG/L	D	11000	UG/L	226	451	16.2 J	56.2		38.4	23.2	25.6	76	
ZINC	UG/L	T	11000	UG/L	211	340	15.3 J	26.3		43.4	21.2	29.2	33.7	

FED\_MCL  
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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-15S	MW-15S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-17S	MW-17S
				Date	5/22/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/24/07	8/23/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			32300	22400	40800	66900				150000 J	172000
AMMONIA	UG/L	T			ND (200)	ND (200)	ND (200)	ND (200)				1200 B	1700
CHLORIDE	UG/L	T			264000	291000	466000	525000				349000	371000
CYANIDE	UG/L	T	200	UG/L	ND (5)	ND (5) UJ	ND (5) UJ	ND (5)				ND (5) UJ	ND (5)
FERRIC IRON	UG/L	T			1300	3200	1100	2000				1700 J	3900 J
NITRATE	UG/L	T	10000	UG/L	8700 J	^11100	2500 J	2000				ND (40)	ND (40)
NITRITE	UG/L	T	1000	UG/L	160 J	ND (15) UJ	ND (15)	ND (15) UJ				ND (15) UJ	23 J
PHOSPHORUS	UG/L	T			ND (250)	ND (250)	ND (250)	ND (250)				ND (250)	ND (250)
SILICA	UG/L	T			47400	57200	16400	21000				19700 J	24600 J
SULFATE	UG/L	T			94200	131000	256000	203000				195000	169000
TOTAL HARDNESS AS CaCO3	UG/L	T			177000 J	167000	380000	401000				568000 J	533000
TOTAL ORGANIC CARBON	UG/L	T			1600 J	2500	1000 J	1400 J				4300	7800
TOTAL SUSPENDED SOLIDS	UG/L	T			51600	30000	7600 B	19200		3600 J	ND (3000)	66000	84000
COLOR QUALITATIVE (FIELD)	NS	T			Clear	clr	Clear	clr		NS	NS	Lt. Tan	clr
DISSOLVED OXYGEN (FIELD)	UG/L	T			7130	2030	4000	1010		5370	3210	1700	690
ODOR (FIELD)	NS	T			No	no	No	no		NS	NS	No	no
OVABZONE	PPM	T			NR		NR			NS	NS	NR	
OVACASING	PPM	T			NR		NR			NS	NS	NR	
TOTAL WELL DEPTH	Feet	T								NS	NS		
HPCDFS	UG/L	D											
HPCDFS	UG/L	T			ND (0.00000268) U	ND (0.0000011) U	ND (0.00000102) U	ND (0.000000638) U				ND (0.00000103) U	ND (0.000000974) U

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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-17S	MW-17S	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9
				Date	5/26/10	8/18/10	5/29/09	10/21/09	4/16/10	10/4/10	10/4/10	4/8/11	5/29/09	10/22/09	10/22/09	10/5/10
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS	DUP	FS	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L			ND (0.8)						ND (0.8)			
ACETONE	UG/L	T	22000	UG/L			ND (6)						ND (6)			
BENZENE	UG/L	T	5	UG/L			ND (0.5)						ND (0.5)			
CHLOROFORM	UG/L	T	0.19	UG/L			^ND (0.8)						^ND (0.8)			
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L			ND (0.8)						ND (0.8)			
TETRACHLOROETHYLENE	UG/L	T	5	UG/L			ND (0.8)						ND (0.8)			
TRICHLOROETHENE	UG/L	T	5	UG/L			ND (1)						ND (1)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L			ND (2)						ND (2)			
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L			ND (2)						ND (2)			
FLUORANTHENE	UG/L	T	1500	UG/L			ND (0.019)						ND (0.019)			
NAPHTHALENE	UG/L	T	0.14	UG/L			^ND (0.97)						^ND (0.97)			
1,2,3,4,6,7,8-HPCDD	UG/L	D														
1,2,3,4,6,7,8-HPCDD	UG/L	T				0.0000282 B	ND (0.0000025)	ND (0.00000125)		ND (0.000001081489)			0.00000551 B	ND (0.00000116)		
1,2,3,4,6,7,8-HPCDF	UG/L	D														
1,2,3,4,6,7,8-HPCDF	UG/L	T				0.000004 B	ND (0.0000011)	ND (0.00000178)		ND (0.0000006978858)			0.00000398 B	ND (0.000000516)		
1,2,3,4,7,8,9-HPCDF	UG/L	T				ND (0.000002152364)	ND (0.00000163)	ND (0.00000235)		ND (0.0000008755168)			0.00000232 J	ND (0.000000677)		
1,2,3,6,7,8-HXCDF	UG/L	T				ND (0.000001332703)	ND (0.000000953)	ND (0.000000404)		ND (0.0000006102391)			0.000000668 J	ND (0.000000268)		
2,3,4,6,7,8-HXCDF	UG/L	T				ND (0.000001481172)	ND (0.00000112)	ND (0.000000427)		ND (0.0000006157592)			0.000000393 J	ND (0.00000031)		
2,3,4,7,8-PECDF	UG/L	T				ND (0.0000009702155)	ND (0.00000103)	ND (0.000000816)		ND (0.0000006382968)			0.000000792 J	ND (0.000000206)		
2,3,7,8-TCDF	UG/L	T				ND (0.0000008411053)	ND (0.000000999)	ND (0.000000615)		ND (0.0000004388715)			0.000000598 J	ND (0.000000762)		
HPCDDS	UG/L	D														
HPCDDS	UG/L	T						ND (0.00000125)						ND (0.00000116)		
HXCDDS	UG/L	T						ND (0.00000162)						ND (0.00000127)		
HXCDFS	UG/L	T						ND (0.000000458)						ND (0.000000321)		
OCDD	UG/L	D														
OCDD	UG/L	T				0.00109	0.0000231 J	ND (0.00000379)		ND (0.000001582673)			0.0000484 J	ND (0.00000395)		
OCDF	UG/L	T				0.0000287 B	ND (0.00000288)	0.00000309 J		0.00000776 J			0.0000581	ND (0.00000289)		
TCDDS	UG/L	T				ND (0.000001136249)	ND (0.00000136)	ND (0.00000141)		ND (0.0000007969902)			0.000000879 B	ND (0.00000101)		
TCDFS	UG/L	T				ND (0.0000008411053)	ND (0.000000999)	ND (0.000000615)		ND (0.0000004388715)			0.00000775 EMPC	ND (0.000000762)		
TOTAL HPCDD	UG/L	T				0.0000614 B	ND (0.0000025)			ND (0.000001081489)			0.0000121 EMPC			
TOTAL HPCDF	UG/L	T				0.0000135 B	ND (0.00000134)			ND (0.0000007806833)			0.00000832 EMPC			
TOTAL HXCDD	UG/L	T				0.0000389 EMPC	ND (0.00000157)			ND (0.0000009664821)			0.00000547 B			
TOTAL PECDD	UG/L	T				0.00000432 EMPC	ND (0.0000014)			ND (0.0000008838911)			0.000000894 EMPC			
TOTAL PECDDS	UG/L	T						ND (0.00000126)						ND (0.000000751)		
TOTAL PECDF	UG/L	T				ND (0.0000009761161)	ND (0.00000103)			ND (0.0000006454471)			0.00000675 EMPC			
PCB 1	UG/L	D														
PCB 1	UG/L	T				ND (0.00000197)	ND (0.00000135)	ND (0.000000587)		ND (0.0000012)			0.00000632 J	ND (0.000000625)		
PCB 10	UG/L	T				ND (0.0000147)	ND (0.00000337)	ND (0.000000459)		ND (0.00000474)			ND (0.0000148)	ND (0.000000573)		
PCB 105	UG/L	D	0.017	UG/L												
PCB 105	UG/L	T	0.017	UG/L		ND (0.00000221)	ND (0.00000108)	0.00000193 B		0.00000407 J			0.00000439 J	ND (0.00000094)		
PCB 109	UG/L	D														
PCB 109	UG/L	T				ND (0.00000196)	ND (0.000000849)	ND (0.000000895)		ND (0.00000161)			ND (0.00000219)	ND (0.000000803)		
PCB 11	UG/L	T				0.0000255 B	0.0000282 J	0.0000101 B		0.0000151 B			0.0000193 B	0.0000162 B		
PCB 110	UG/L	T				0.00000733 J	0.00000502 J	0.00000278 B		ND (0.00000183)			0.0000249	0.00000141 B		
PCB 117	UG/L	T				ND (0.00000225)	ND (0.000000957)	ND (0.00000105)		0.0000104 EMPC			ND (0.0000026)	ND (0.00000107)		
PCB 118	UG/L	T	0.017	UG/L		0.00000464 J	0.00000386 J	0.00000296 B		0.00000716 J			0.00000565 J	0.00000149 B		
PCB 130	UG/L	D														
PCB 130	UG/L	T				ND (0.00000253)	ND (0.00000126)	ND (0.00000134)		ND (0.00000258)			ND (0.0000033)	ND (0.00000136)		
PCB 132	UG/L	D														
PCB 132	UG/L	T				ND (0.00000227)	ND (0.00000109)	ND (0.00000115)		ND (0.00000224)			0.00000546 J	ND (0.00000117)		
PCB 134	UG/L	T				ND (0.00000281)	ND (0.00000125)	ND (0.00000142)		ND (0.00000272)			ND (0.00000324)	ND (0.00000137)		
PCB 136	UG/L	T				ND (0.00000178)	ND (0.00000102)	ND (0.000000899)		ND (0.00000205)			0.00000203 J	ND (0.000000867)		
PCB 137	UG/L	D														
PCB 137	UG/L	T				ND (0.00000264)	ND (0.00000117)	ND (0.000000955)		ND (0.00000246)			ND (0.00000275)	ND (0.000001)		
PCB 141	UG/L	D														

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 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17S	MW-17S	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9
				Date	5/26/10	8/18/10	5/29/09	10/21/09	4/16/10	10/4/10	10/4/10	4/8/11	5/29/09	10/22/09	10/22/09	10/5/10
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS	DUP	FS	FS
PCB 141	UG/L	T			ND (0.0000208)	ND (0.000001)	ND (0.00000112)			ND (0.00000207)			ND (0.00000269)	ND (0.00000113)		
PCB 146	UG/L	D														
PCB 146	UG/L	T			ND (0.00000194)	ND (0.000000929)	ND (0.000000924)			ND (0.00000194)			ND (0.00000243)	ND (0.000000959)		
PCB 15	UG/L	D														
PCB 15	UG/L	T			ND (0.0000205)	0.00000372 J	ND (0.000000726)			ND (0.00000633)			ND (0.0000158)	ND (0.000000992)		
PCB 158	UG/L	D														
PCB 158	UG/L	T			ND (0.00000166)	ND (0.000000797)	ND (0.000000888)			ND (0.00000162)			ND (0.00000193)	ND (0.000000905)		
PCB 16	UG/L	T			ND (0.00000475)	0.00000201 J	ND (0.000000927)			ND (0.0000018)			ND (0.00000324)	0.00000105 B		
PCB 162	UG/L	T			ND (0.00000301)	ND (0.00000144)	ND (0.00000106)			ND (0.00000228)			ND (0.00000178)	ND (0.000000838)		
PCB 164	UG/L	D														
PCB 164	UG/L	T			ND (0.0000015)	ND (0.000000781)	ND (0.000000883)			ND (0.00000155)			ND (0.00000208)	ND (0.000000868)		
PCB 167	UG/L	D	0.017	UG/L												
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000277)	ND (0.00000141)	ND (0.00000121)			ND (0.0000023)			ND (0.0000018)	ND (0.000000966)		
PCB 17	UG/L	T			ND (0.00000393)	0.00000195 J	ND (0.000000824)			0.00000256 J			ND (0.00000272)	0.00000106 B		
PCB 170	UG/L	D														
PCB 170	UG/L	T			ND (0.00000303)	ND (0.00000159)	ND (0.00000134)			ND (0.00000204)			ND (0.00000324)	ND (0.00000135)		
PCB 172	UG/L	D														
PCB 174	UG/L	D														
PCB 174	UG/L	T			0.00000386 J	ND (0.00000129)	ND (0.00000114)			ND (0.00000239)			ND (0.00000349)	ND (0.00000117)		
PCB 177	UG/L	D														
PCB 177	UG/L	T			ND (0.00000281)	ND (0.00000143)	ND (0.00000119)			ND (0.00000257)			ND (0.00000387)	ND (0.00000121)		
PCB 178	UG/L	D														
PCB 179	UG/L	T			ND (0.00000186)	ND (0.000000891)	ND (0.000000844)			ND (0.00000152)			ND (0.0000021)	ND (0.000000817)		
PCB 183	UG/L	D														
PCB 183	UG/L	T			ND (0.00000242)	ND (0.00000125)	ND (0.00000111)			ND (0.00000225)			ND (0.00000362)	ND (0.0000011)		
PCB 185	UG/L	D														
PCB 187	UG/L	T			ND (0.00000247)	0.0000023 J	ND (0.00000107)			ND (0.00000229)			0.00000543 J	ND (0.00000108)		
PCB 19	UG/L	T			ND (0.00000448)	ND (0.00000154)	ND (0.000000813)			ND (0.00000201)			ND (0.00000283)	ND (0.00000077)		
PCB 190	UG/L	D														
PCB 194	UG/L	D														
PCB 194	UG/L	T			ND (0.00000288)	ND (0.00000143)	ND (0.00000149)			ND (0.00000275)			ND (0.00000318)	ND (0.0000011)		
PCB 195	UG/L	D														
PCB 196	UG/L	D														
PCB 196	UG/L	T			ND (0.00000229)	ND (0.0000012)	ND (0.00000126)			ND (0.00000242)			ND (0.00000198)	ND (0.00000118)		
PCB 2	UG/L	D														
PCB 2	UG/L	T			ND (0.00000221)	0.00000137 J	ND (0.000000544)			0.00000224 B			0.00000234 J	ND (0.000000631)		
PCB 202	UG/L	D														
PCB 202	UG/L	T			ND (0.00000233)	ND (0.00000109)	ND (0.00000119)			ND (0.00000228)			ND (0.00000151)	ND (0.00000107)		
PCB 203	UG/L	D														
PCB 203	UG/L	T			ND (0.00000217)	ND (0.00000114)	ND (0.00000111)			ND (0.00000227)			ND (0.00000177)	ND (0.00000105)		
PCB 206	UG/L	D														
PCB 206	UG/L	T			ND (0.00000594)	ND (0.00000299)	ND (0.00000319)			ND (0.00000764)			ND (0.00000543)	ND (0.00000303)		
PCB 207	UG/L	D														
PCB 208	UG/L	D														
PCB 208	UG/L	T			ND (0.00000472)	ND (0.00000198)	ND (0.00000244)			ND (0.00000638)			ND (0.00000448)	ND (0.00000245)		
PCB 209	UG/L	D														
PCB 209	UG/L	T			ND (0.00000333)	ND (0.00000238)	ND (0.00000145)			0.00000695 J			0.0000147	ND (0.00000123)		
PCB 22	UG/L	T			ND (0.00000284)	0.00000273 J	ND (0.000000851)			ND (0.00000162)			ND (0.00000253)	ND (0.000000885)		
PCB 3	UG/L	D														
PCB 3	UG/L	T			ND (0.00000258)	0.0000035 J	ND (0.000000578)			0.00000294 B			0.00000665 J	ND (0.00000064)		
PCB 31	UG/L	T			0.00000481 J	0.00000692 J	0.00000114 B			0.00000421 B			0.00000352 B	0.0000014 B		
PCB 32	UG/L	T			0.00000399 J	0.00000114 J	ND (0.000000617)			0.00000309 B			0.00000274 B	ND (0.000000588)		
PCB 37	UG/L	T			ND (0.0000033)	0.00000247 J	ND (0.000000995)			ND (0.00000194)			ND (0.000003)	ND (0.00000101)		
PCB 4	UG/L	D														
PCB 4	UG/L	T			ND (0.0000257)	0.00000238 J	ND (0.000000785)			0.00000345 J			ND (0.00002)	ND (0.000000915)		

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-17S	MW-17S	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9
				Date	5/26/10	8/18/10	5/29/09	10/21/09	4/16/10	10/4/10	10/4/10	4/8/11	5/29/09	10/22/09	10/22/09	10/5/10
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS	DUP	FS	FS
PCB 41	UG/L	T			ND (0.00000338)	ND (0.00000144)	ND (0.00000157)		ND (0.00000233)			ND (0.00000299)	ND (0.00000136)			
PCB 42	UG/L	T			ND (0.00000322)	ND (0.00000143)	ND (0.00000155)		ND (0.0000024)			ND (0.00000268)	ND (0.0000015)			
PCB 45	UG/L	T			ND (0.00000316)	ND (0.00000175)	ND (0.00000139)		ND (0.00000241)			ND (0.00000274)	ND (0.00000127)			
PCB 48	UG/L	T			ND (0.00000277)	ND (0.00000124)	ND (0.00000133)		ND (0.00000206)			ND (0.00000237)	ND (0.00000126)			
PCB 51	UG/L	T			ND (0.00000294)	0.0000139	ND (0.00000143)		ND (0.00000214)			ND (0.00000225)	ND (0.0000014)			
PCB 52	UG/L	T			0.00000877 B	0.00000633 J	0.00000189 B		0.00000206 B			0.00000954	0.00000207 B			
PCB 56	UG/L	T			ND (0.00000259)	0.00000164 J	ND (0.00000141)		ND (0.00000248)			ND (0.00000245)	ND (0.00000126)			
PCB 6	UG/L	D														
PCB 6	UG/L	T			ND (0.0000163)	ND (0.00000543)	ND (0.000000634)		ND (0.00000561)			ND (0.0000133)	ND (0.00000089)			
PCB 60	UG/L	T			ND (0.0000026)	ND (0.000000705)	ND (0.00000151)		ND (0.00000244)			ND (0.00000244)	ND (0.00000132)			
PCB 64	UG/L	T			0.00000284 J	ND (0.00000104)	ND (0.000000926)		ND (0.00000172)			0.00000187 J	ND (0.000000876)			
PCB 66	UG/L	T			0.00000315 J	0.00000324 J	ND (0.00000137)		ND (0.00000241)			0.00000321 J	ND (0.00000123)			
PCB 68	UG/L	T			ND (0.00000279)	0.00000223	ND (0.00000131)		ND (0.00000271)			ND (0.00000224)	ND (0.00000118)			
PCB 7	UG/L	T			ND (0.0000154)	ND (0.00000528)	ND (0.000000679)		ND (0.00000546)			ND (0.0000128)	ND (0.000000909)			
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000323)	ND (0.000000892)	ND (0.00000167)		ND (0.00000308)			ND (0.00000297)	ND (0.00000148)			
PCB 8	UG/L	T			ND (0.000016)	0.00000488 J	0.00000124 B		0.00000681 J			ND (0.000013)	0.0000015 B			
PCB 82	UG/L	T			ND (0.00000327)	ND (0.00000146)	ND (0.00000129)		ND (0.00000281)			ND (0.00000373)	ND (0.00000123)			
PCB 84	UG/L	T			ND (0.0000031)	ND (0.0000014)	ND (0.00000128)		0.0000126 B			0.00000546 J	ND (0.00000123)			
PCB 9	UG/L	T			ND (0.0000158)	ND (0.00000536)	ND (0.000000602)		ND (0.0000056)			ND (0.0000134)	ND (0.000000809)			
PCB 91	UG/L	T			ND (0.00000308)	ND (0.00000126)	ND (0.000000984)		ND (0.0000024)			0.00000349 J	ND (0.000000891)			
PCB 92	UG/L	T			ND (0.000003)	ND (0.00000138)	ND (0.00000126)		ND (0.00000268)			ND (0.0000033)	ND (0.00000121)			
PCB 95	UG/L	T			0.00000812 J	0.00000466 J	0.00000229 B		0.0000191 B			0.0000131	0.00000126 B			
PCB 99	UG/L	T			ND (0.00000234)	0.0000021 J	ND (0.000000968)		ND (0.00000201)			ND (0.00000282)	ND (0.000000925)			
PCB-108/119/86/97/125/87	UG/L	T			ND (0.00000264)	0.00000449 J	ND (0.00000105)		ND (0.00000224)			0.00000813 J	ND (0.00000099)			
PCB-113/90/101	UG/L	T			0.00000747 J	0.00000536 J	0.00000272 B		ND (0.00000233)			0.00000897 EMPC	ND (0.00000111)			
PCB-116/85	UG/L	D														
PCB-116/85	UG/L	T			ND (0.00000314)	ND (0.00000139)	ND (0.000001)		ND (0.00000243)			ND (0.00000267)	ND (0.000000938)			
PCB-128/166	UG/L	D														
PCB-128/166	UG/L	T			ND (0.00000301)	ND (0.00000135)	ND (0.00000131)		ND (0.00000233)			ND (0.00000209)	ND (0.00000106)			
PCB-147/149	UG/L	T			0.00000473 J	0.00000417 J	0.00000307 B		ND (0.00000202)			0.000011	0.00000177 B			
PCB-151/135	UG/L	T			ND (0.00000223)	ND (0.00000108)	ND (0.00000112)		ND (0.00000222)			0.00000586 J	ND (0.00000115)			
PCB-153/168	UG/L	D														
PCB-153/168	UG/L	T			0.00000674 J	0.00000382 J	0.00000309 B		ND (0.00000181)			0.0000109	0.00000122 B			
PCB-156/157	UG/L	D														
PCB-156/157	UG/L	T			ND (0.00000369)	ND (0.00000183)	ND (0.00000152)		ND (0.00000306)			ND (0.00000238)	ND (0.00000127)			
PCB-163/138/129	UG/L	D														
PCB-163/138/129	UG/L	T			0.00000825 J	0.00000497 J	0.0000037 B		0.00000537 J			0.0000139	0.00000169 B			
PCB-171/173	UG/L	D														
PCB-180/193	UG/L	D														
PCB-180/193	UG/L	T			0.00000464 J	0.00000276 J	0.00000185 B		ND (0.00000207)			0.00000786 J	ND (0.00000107)			
PCB-198/199	UG/L	D														
PCB-198/199	UG/L	T			ND (0.00000249)	ND (0.00000123)	ND (0.00000124)		ND (0.00000251)			ND (0.00000197)	ND (0.00000116)			
PCB-21/33	UG/L	T			ND (0.00000323)	0.00000403 J	ND (0.000000922)		ND (0.00000187)			0.00000184 EMPC	0.00000104 B			
PCB-26/29	UG/L	T			ND (0.00000287)	ND (0.00000139)	ND (0.000000919)		ND (0.00000168)			ND (0.00000248)	ND (0.000000965)			
PCB-28/20	UG/L	T			0.00000829 B	0.00000868 J	0.00000155 B		ND (0.00000166)			0.00000593 B	0.00000198 B			
PCB-30/18	UG/L	T			0.00000541 J	0.00000341 J	0.00000179 B		0.00000601 B			0.00000456 J	0.00000175 B			
PCB-44/47/65	UG/L	T			0.00000857 J	0.00000212	ND (0.00000135)		0.00000964 B			0.00000482 J	0.00000279 B			
PCB-50/53	UG/L	T			ND (0.00000305)	ND (0.0000016)	ND (0.00000143)		0.00000449 B			ND (0.00000237)	ND (0.00000136)			
PCB-59/62/75	UG/L	T			ND (0.00000248)	ND (0.00000108)	ND (0.00000103)		ND (0.00000179)			ND (0.00000185)	ND (0.00000098)			
PCB-61/70/74/76	UG/L	T			0.00000759 J	0.00000691 J	0.00000322 B		0.0000182			0.00000553 J	ND (0.00000132)			
PCB-69/49	UG/L	T			ND (0.00000272)	0.00000315 J	ND (0.00000115)		0.00000772 B			0.00000279 J	ND (0.0000011)			
PCB-71/40	UG/L	T			ND (0.00000273)	0.00000152 J	ND (0.00000128)		ND (0.000002)			0.0000052 J	ND (0.00000128)			
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000255 B	0.0000392	0.0000113 B		0.0000254 B			0.0000193 B	0.0000177 B			
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	D														
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000085 EMPC	0.00000506 EMPC	0.00000185 B		ND (0.0000022)			0.0000133 EMPC	ND (0.00000114)			

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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17S	MW-17S	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9				
				Date	5/26/10	8/18/10	5/29/09	10/21/09	4/16/10	10/4/10	10/4/10	4/8/11	5/29/09	10/22/09	10/22/09	10/5/10				
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS	FS	FS	FS	FS
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000197	0.000013 EMPC	0.00000987 B			0.00000537			0.0000491 EMPC	0.00000469 B						
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D																		
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000227)	0.00000487 EMPC	ND (0.00000582)			0.00000518 B			0.0000153 EMPC	ND (0.00000632)						
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D																		
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000533)	ND (0.00000248)	ND (0.00000282)			ND (0.00000701)			ND (0.00000496)	ND (0.00000274)						
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D																		
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000246)	ND (0.00000123)	ND (0.00000126)			ND (0.00000246)			ND (0.00000186)	ND (0.00000104)						
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000276 EMPC	0.0000255 EMPC	0.0000127 B			0.0000534 B			0.0000741 EMPC	0.00000416 B						
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000309	0.0000803 EMPC	0.00000511 B			0.0000607 B			0.000033 EMPC	0.00000486 B						
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000225 B	0.0000333 EMPC	0.00000449 B			0.0000159 B			0.0000186 B	0.00000829 B						
ALUMINIUM	UG/L	D	37000	UG/L	ND (80.2)	ND (83.4)	ND (80.2)							ND (80.2)						
ALUMINIUM	UG/L	T	37000	UG/L	967	ND (83.4)	5820 J							975 J						
ANTIMONY	UG/L	D	6	UG/L			ND (9.7)	ND (9.7)						ND (9.7)	ND (9.7)	ND (9.7)				
ARSENIC	UG/L	D	10	UG/L			ND (0.95)	ND (7.2)						ND (0.95)	ND (7.2)	ND (7.2)				
ARSENIC	UG/L	T	10	UG/L			ND (0.95)	3.4 B	ND (0.95)	ND (0.95)	ND (0.95)		ND (0.95)	ND (0.95)	ND (1.9)	ND (1.9)	2.9			
BARIUM	UG/L	D	2000	UG/L	189	196	83							88.5						
BARIUM	UG/L	T	2000	UG/L	240	198	83.8							98.8						
BERYLLIUM	UG/L	T	4	UG/L	ND (1.4)	1.4 B	0.26 J							0.35 J						
CADMIUM	UG/L	D	5	UG/L	ND (2)	ND (2)	ND (2)							ND (2)						
CADMIUM	UG/L	T	5	UG/L	ND (2)	ND (2)	ND (2)							ND (2)						
CALCIUM	UG/L	D					8320							26600						
CALCIUM	UG/L	T					8930							29400						
CHROMIUM	UG/L	D	100	UG/L			ND (3.4)							ND (3.4)						
CHROMIUM	UG/L	T	100	UG/L			13.2 J							4.8 J						
COBALT	UG/L	D	11	UG/L	5.7	4.4 J	7							9.9						
COBALT	UG/L	T	11	UG/L	6.5	4.9 J	<sup>^</sup> 15.2							<sup>^</sup> 15.3						
COPPER	UG/L	D	1300	UG/L	3.8 J	3.4 J	ND (2.7)							ND (2.7)						
COPPER	UG/L	T	1300	UG/L	13	3.8 J	14.5							5.4 J						
FERROUS IRON	UG/L	T					3800							45500						
IRON	UG/L	D	26000	UG/L	21700	3250	3460							<sup>^</sup> 37900						
IRON	UG/L	T	26000	UG/L	<sup>^</sup> 37600	4970	10300							<sup>^</sup> 42200						
LEAD	UG/L	D	15	UG/L	0.088 J	0.061 J	0.098 J							ND (0.05)						
LEAD	UG/L	T	15	UG/L	2	0.11 J	1.2							1.1						
MAGNESIUM	UG/L	D					3260							7350						
MAGNESIUM	UG/L	T					3400							8030						
MANGANESE	UG/L	D	880	UG/L	<sup>^</sup> 10200	<sup>^</sup> 7020	164	154						474	467	458				
MANGANESE	UG/L	T	880	UG/L	<sup>^</sup> 9230	<sup>^</sup> 7190	173	199	168	165	158	188		456	472	467	208			
MERCURY	UG/L	D	2	UG/L			0.082 B							0.091 B						
MERCURY	UG/L	T	2	UG/L			ND (0.056)							ND (0.056)						
NICKEL	UG/L	D	730	UG/L	8 J	5.6 J	5.7 J							10.5						
NICKEL	UG/L	T	730	UG/L	13.4	5.1 J	10.4							10.6						
POTASSIUM	UG/L	D					585							1760						
POTASSIUM	UG/L	T					634							1930						
SELENIUM	UG/L	T	50	UG/L			ND (0.99) UJ							ND (0.99) UJ						
SILVER	UG/L	D	180	UG/L			ND (2.3)							ND (2.3)						
SODIUM	UG/L	D					9840							16700						
SODIUM	UG/L	T					9360							17600						
THALLIUM	UG/L	D	2	UG/L			ND (0.15)	<sup>^</sup> ND (14)						ND (0.15)	<sup>^</sup> ND (14)	<sup>^</sup> ND (14)				
THALLIUM	UG/L	T	2	UG/L			ND (0.15)	<sup>^</sup> ND (14)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	<sup>^</sup> ND (14)	<sup>^</sup> ND (14)	ND (0.15)			
TITANIUM	UG/L	D					ND (3.8)							ND (3.8)						
TITANIUM	UG/L	T					254							57						
VANADIUM	UG/L	D					ND (2.5)							ND (2.5)						
VANADIUM	UG/L	T					22.3							7.7						
ZINC	UG/L	D	11000	UG/L	62.7	11.8 B	8.5 J							10.3 J						
ZINC	UG/L	T	11000	UG/L	116	13 B	20.4							23.6						

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**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17S	MW-17S	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-9	MW-9	MW-9	MW-9
				Date	5/26/10	8/18/10	5/29/09	10/21/09	4/16/10	10/4/10	10/4/10	4/8/11	5/29/09	10/22/09	10/22/09	10/5/10
				Top (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	DUP	FS	FS	FS	FS	DUP	FS
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T					9700						92600			
AMMONIA	UG/L	T					ND (200)						210 J			
CHLORIDE	UG/L	T					30200						28700			
CYANIDE	UG/L	T	200	UG/L			ND (5)						ND (5)			
FERRIC IRON	UG/L	T					6500						ND (2000)			
<b>NITRATE</b>	UG/L	T	10000	UG/L			ND (40)						ND (40)			
NITRITE	UG/L	T	1000	UG/L			ND (15)						74			
PHOSPHORUS	UG/L	T					ND (250)						ND (250)			
SILICA	UG/L	T					26800						36300			
SULFATE	UG/L	T					3800 J						75400			
TOTAL HARDNESS AS CaCO3	UG/L	T														
TOTAL ORGANIC CARBON	UG/L	T					ND (500)						1700 B			
TOTAL SUSPENDED SOLIDS	UG/L	T					148000	11200 J	267000				39200			
COLOR QUALITATIVE (FIELD)	NS	T					NS	NS	clear	cloudy	NS	NS	Clear	clear	clear	NS
DISSOLVED OXYGEN (FIELD)	UG/L	T					5550	760	1210	670	70	-2500	610	1140	750	-2500
ODOR (FIELD)	NS	T					NS	NS	none	No	NS	NS	None	none	No	NS
OVABZONE	PPM	T					NS	NS			NS	NS				NS
OVACASING	PPM	T					NS	NS	NS	NS	NS	NS				NS
TOTAL WELL DEPTH	Feet	T					NS	NS			NS	NS				NS
HPCDFS	UG/L	D														
HPCDFS	UG/L	T							ND (0.00000204)							ND (0.00000059)

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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-9R
				Date	4/8/11
				Top (ft)	0
				Bottom (ft)	0
				Duplicate	FS
1,1,1-TRICHLOROETHANE	UG/L	T	200	UG/L	
ACETONE	UG/L	T	22000	UG/L	
BENZENE	UG/L	T	5	UG/L	
CHLOROFORM	UG/L	T	0.19	UG/L	
CIS-1,2 DICHLOROETHENE	UG/L	T	70	UG/L	
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	
TRICHLOROETHENE	UG/L	T	5	UG/L	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	
FLUORANTHENE	UG/L	T	1500	UG/L	
NAPHTHALENE	UG/L	T	0.14	UG/L	
1,2,3,4,6,7,8-HPCDD	UG/L	D			
1,2,3,4,6,7,8-HPCDD	UG/L	T			0.00000155 B
1,2,3,4,6,7,8-HPCDF	UG/L	D			
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.000000658)
1,2,3,4,7,8,9-HPCDF	UG/L	T			ND (0.00000102)
1,2,3,6,7,8-HXCDF	UG/L	T			ND (0.000000344)
2,3,4,6,7,8-HXCDF	UG/L	T			ND (0.000000378)
2,3,4,7,8-PECDF	UG/L	T			ND (0.000000561)
2,3,7,8-TCDF	UG/L	T			ND (0.000000552)
HPCDDS	UG/L	D			
HPCDDS	UG/L	T			
HXCDDS	UG/L	T			
HXCDFS	UG/L	T			
OCDD	UG/L	D			
OCDD	UG/L	T			0.0000105 B
OCDF	UG/L	T			0.00000441 J
TCDDS	UG/L	T			0.00000118 EMPC B
TCDFS	UG/L	T			ND (0.000000552)
TOTAL HPCDD	UG/L	T			0.00000289 EMPC B
TOTAL HPCDF	UG/L	T			ND (0.000000815)
TOTAL HXCDD	UG/L	T			0.000000998 EMPC B
TOTAL PECDD	UG/L	T			ND (0.000000598)
TOTAL PECDDS	UG/L	T			
TOTAL PECDF	UG/L	T			ND (0.000000587)
PCB 1	UG/L	D			
PCB 1	UG/L	T			ND (0.00000146)
PCB 10	UG/L	T			ND (0.0000129)
PCB 105	UG/L	D	0.017	UG/L	
PCB 105	UG/L	T	0.017	UG/L	0.00000706 J
PCB 109	UG/L	D			
PCB 109	UG/L	T			ND (0.00000155)
PCB 11	UG/L	T			0.000023 B
PCB 110	UG/L	T			0.0000181
PCB 117	UG/L	T			ND (0.00000183)
PCB 118	UG/L	T	0.017	UG/L	0.0000108
PCB 130	UG/L	D			
PCB 130	UG/L	T			ND (0.00000276)
PCB 132	UG/L	D			
PCB 132	UG/L	T			ND (0.00000247)
PCB 134	UG/L	T			ND (0.00000271)
PCB 136	UG/L	T			0.0000025 J
PCB 137	UG/L	D			
PCB 137	UG/L	T			ND (0.0000023)
PCB 141	UG/L	D			

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-9R
				Date	4/8/11
				Top (ft)	0
				Bottom (ft)	0
				Duplicate	FS
PCB 141	UG/L	T			ND (0.00000225)
PCB 146	UG/L	D			
PCB 146	UG/L	T			ND (0.00000204)
PCB 15	UG/L	D			
PCB 15	UG/L	T			ND (0.0000129)
PCB 158	UG/L	D			
PCB 158	UG/L	T			ND (0.00000161)
PCB 16	UG/L	T			0.00000692 J
PCB 162	UG/L	T			ND (0.00000191)
PCB 164	UG/L	D			
PCB 164	UG/L	T			ND (0.00000174)
PCB 167	UG/L	D	0.017	UG/L	
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000194)
PCB 17	UG/L	T			0.00000587 J
PCB 170	UG/L	D			
PCB 170	UG/L	T			ND (0.00000311)
PCB 172	UG/L	D			
PCB 174	UG/L	D			
PCB 174	UG/L	T			ND (0.00000325)
PCB 177	UG/L	D			
PCB 177	UG/L	T			ND (0.0000036)
PCB 178	UG/L	D			
PCB 179	UG/L	T			ND (0.00000183)
PCB 183	UG/L	D			
PCB 183	UG/L	T			ND (0.00000337)
PCB 185	UG/L	D			
PCB 187	UG/L	T			0.00000499 J
PCB 19	UG/L	T			ND (0.00000305)
PCB 190	UG/L	D			
PCB 194	UG/L	D			
PCB 194	UG/L	T			ND (0.00000319)
PCB 195	UG/L	D			
PCB 196	UG/L	D			
PCB 196	UG/L	T			ND (0.00000219)
PCB 2	UG/L	D			
PCB 2	UG/L	T			ND (0.00000134)
PCB 202	UG/L	D			
PCB 202	UG/L	T			ND (0.00000166)
PCB 203	UG/L	D			
PCB 203	UG/L	T			ND (0.00000195)
PCB 206	UG/L	D			
PCB 206	UG/L	T			ND (0.00000495)
PCB 207	UG/L	D			
PCB 208	UG/L	D			
PCB 208	UG/L	T			ND (0.00000368)
PCB 209	UG/L	D			
PCB 209	UG/L	T			0.00000525 B
PCB 22	UG/L	T			0.000011
PCB 3	UG/L	D			
PCB 3	UG/L	T			ND (0.00000154)
PCB 31	UG/L	T			0.0000178
PCB 32	UG/L	T			0.00000859 B
PCB 37	UG/L	T			0.00000866 J
PCB 4	UG/L	D			
PCB 4	UG/L	T			ND (0.0000173)

FED\_MCL  
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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-9R
				Date	4/8/11
				Top (ft)	0
				Bottom (ft)	0
				Duplicate	FS
PCB 41	UG/L	T			0.00000405 J
PCB 42	UG/L	T			0.00000712 J
PCB 45	UG/L	T			0.0000046 J
PCB 48	UG/L	T			0.00000536 J
PCB 51	UG/L	T			ND (0.00000189)
PCB 52	UG/L	T			0.000022
PCB 56	UG/L	T			0.000014
PCB 6	UG/L	D			
PCB 6	UG/L	T			ND (0.0000109)
PCB 60	UG/L	T			0.0000092
PCB 64	UG/L	T			0.0000123
PCB 66	UG/L	T			0.0000205
PCB 68	UG/L	T			ND (0.00000214)
PCB 7	UG/L	T			ND (0.0000105)
PCB 77	UG/L	T	0.0052	UG/L	0.00000375 J
PCB 8	UG/L	T			0.00000779 J
PCB 82	UG/L	T			ND (0.00000264)
PCB 84	UG/L	T			0.00000526 J
PCB 9	UG/L	T			ND (0.000011)
PCB 91	UG/L	T			0.00000245 J
PCB 92	UG/L	T			ND (0.00000233)
PCB 95	UG/L	T			0.0000131 EMPC
PCB 99	UG/L	T			0.00000526 J
PCB-108/119/86/97/125/87	UG/L	T			0.0000125
PCB-113/90/101	UG/L	T			0.0000133
PCB-116/85	UG/L	D			
PCB-116/85	UG/L	T			ND (0.00000188)
PCB-128/166	UG/L	D			
PCB-128/166	UG/L	T			ND (0.00000225)
PCB-147/149	UG/L	T			0.0000135
PCB-151/135	UG/L	T			0.00000666 J
PCB-153/168	UG/L	D			
PCB-153/168	UG/L	T			0.0000108
PCB-156/157	UG/L	D			
PCB-156/157	UG/L	T			ND (0.00000255)
PCB-163/138/129	UG/L	D			
PCB-163/138/129	UG/L	T			0.00000899 EMPC
PCB-171/173	UG/L	D			
PCB-180/193	UG/L	D			
PCB-180/193	UG/L	T			0.00000558 J
PCB-198/199	UG/L	D			
PCB-198/199	UG/L	T			ND (0.00000217)
PCB-21/33	UG/L	T			0.000011
PCB-26/29	UG/L	T			0.0000038 J
PCB-28/20	UG/L	T			0.000021 B
PCB-30/18	UG/L	T			0.0000129 EMPC
PCB-44/47/65	UG/L	T			0.0000247
PCB-50/53	UG/L	T			0.00000359 J
PCB-59/62/75	UG/L	T			0.000003 J
PCB-61/70/74/76	UG/L	T			0.0000344
PCB-69/49	UG/L	T			0.0000138
PCB-71/40	UG/L	T			0.0000143
TOTAL DICHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000308 B
TOTAL HEPTACHLOOROBIPHENYLS (CONGENERS)	UG/L	D			
TOTAL HEPTACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000106 EMPC

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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-9R
				Date	4/8/11
				Top (ft)	0
				Bottom (ft)	0
				Duplicate	FS
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000425 EMPC
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	D			
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.0000015)
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	D			
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000431)
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	D			
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000194)
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000878 EMPC
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000197 EMPC
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000108 EMPC
ALUMINUM	UG/L	D	37000	UG/L	
ALUMINUM	UG/L	T	37000	UG/L	
ANTIMONY	UG/L	D	6	UG/L	
ARSENIC	UG/L	D	10	UG/L	
ARSENIC	UG/L	T	10	UG/L	1.2 J
BARIUM	UG/L	D	2000	UG/L	
BARIUM	UG/L	T	2000	UG/L	
BERYLLIUM	UG/L	T	4	UG/L	
CADMIUM	UG/L	D	5	UG/L	
CADMIUM	UG/L	T	5	UG/L	
CALCIUM	UG/L	D			
CALCIUM	UG/L	T			
CHROMIUM	UG/L	D	100	UG/L	
CHROMIUM	UG/L	T	100	UG/L	
COBALT	UG/L	D	11	UG/L	
COBALT	UG/L	T	11	UG/L	
COPPER	UG/L	D	1300	UG/L	
COPPER	UG/L	T	1300	UG/L	
FERROUS IRON	UG/L	T			
IRON	UG/L	D	26000	UG/L	
IRON	UG/L	T	26000	UG/L	
LEAD	UG/L	D	15	UG/L	
LEAD	UG/L	T	15	UG/L	
MAGNESIUM	UG/L	D			
MAGNESIUM	UG/L	T			
MANGANESE	UG/L	D	880	UG/L	
MANGANESE	UG/L	T	880	UG/L	144
MERCURY	UG/L	D	2	UG/L	
MERCURY	UG/L	T	2	UG/L	
NICKEL	UG/L	D	730	UG/L	
NICKEL	UG/L	T	730	UG/L	
POTASSIUM	UG/L	D			
POTASSIUM	UG/L	T			
SELENIUM	UG/L	T	50	UG/L	
SILVER	UG/L	D	180	UG/L	
SODIUM	UG/L	D			
SODIUM	UG/L	T			
THALLIUM	UG/L	D	2	UG/L	
THALLIUM	UG/L	T	2	UG/L	ND (0.15)
TITANIUM	UG/L	D			
TITANIUM	UG/L	T			
VANADIUM	UG/L	D			
VANADIUM	UG/L	T			
ZINC	UG/L	D	11000	UG/L	
ZINC	UG/L	T	11000	UG/L	

FED\_MCL  
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**Table B-13**  
**Summary of Analytical Results - ISW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-9R
				Date	4/8/11
				Top (ft)	0
				Bottom (ft)	0
				Duplicate	FS
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			
AMMONIA	UG/L	T			
CHLORIDE	UG/L	T			
CYANIDE	UG/L	T	200	UG/L	
FERRIC IRON	UG/L	T			
NITRATE	UG/L	T	10000	UG/L	
NITRITE	UG/L	T	1000	UG/L	
PHOSPHORUS	UG/L	T			
SILICA	UG/L	T			
SULFATE	UG/L	T			
TOTAL HARDNESS AS CaCO3	UG/L	T			
TOTAL ORGANIC CARBON	UG/L	T			
TOTAL SUSPENDED SOLIDS	UG/L	T			
COLOR QUALITATIVE (FIELD)	NS	T			Clear
DISSOLVED OXYGEN (FIELD)	UG/L	T			520
ODOR (FIELD)	NS	T			None
OVABZONE	PPM	T			
OVACASING	PPM	T			
TOTAL WELL DEPTH	Feet	T			
HPCDFS	UG/L	D			
HPCDFS	UG/L	T			

FED\_MCL  
 < and ND = Non detect at stated reporting limit



**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-11D	MW-11D	MW-12D	MW-12D	MW-12D	MW-12D	MW-13D	MW-13D	MW-14D
				Date	5/23/07	8/20/07	5/21/07	8/20/07	5/26/10	8/19/10	5/17/07	8/20/07	5/23/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
ACETONE	UG/L	T	22000	UG/L	ND (6)	ND (6)	14 J	8 J			ND (6)	ND (6)	ND (6)
BENZENE	UG/L	T	5	UG/L	ND (0.5)	0.6 J	ND (0.5)	ND (0.5)			ND (0.5)	ND (0.5)	ND (0.5)
CARBON DISULFIDE	UG/L	T	1000	UG/L	ND (1)	ND (1)	ND (1)	ND (1)			ND (1)	ND (1)	2 J
METHYL ETHYL KETONE	UG/L	T	7100	UG/L	ND (3)	ND (3)	4 J	ND (3)			ND (3)	ND (3)	ND (3)
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	ND (0.8)	2 J	ND (0.8)			ND (0.8)	ND (0.8)	ND (0.8)
TOLUENE	UG/L	T	1000	UG/L	ND (0.7)	ND (0.7)	ND (0.7)	ND (0.7)			ND (0.7)	ND (0.7)	ND (0.7)
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	ND (1)	^11	^8			ND (1)	ND (1)	ND (1)
2,4-DINITROTOLUENE	UG/L	T	0.22	UG/L	^ND (1)	^ND (0.9)	^ND (1)	^ND (1)			^ND (1)	^ND (1)	^ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	5	7 B	3 J	^84			ND (2)	3 B	3 J
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	ND (2)	ND (2)	ND (2)	ND (2)			ND (2)	ND (2)	ND (2)
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.0000023) U	ND (0.00000217) U	0.00000878 J	0.0000116 J	0.00000993 B	ND (0.00000199)	ND (0.00000144) U	ND (0.000000739) U	ND (0.00000243) U
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.000000864) U	ND (0.00000217) U	ND (0.00000203) U	0.00000427 J	0.00000303 B	ND (0.00000136)	ND (0.000000879) U	ND (0.000000558) U	0.00000366 EMPC J
HPCDDS	UG/L	T			0.00000316 EMPC J	0.00000184 J	0.0000216 J	0.0000238			0.00000125 EMPC J	ND (0.000000739) U	0.00000229 EMPC
HXCDDS	UG/L	T			ND (0.00000198) U	ND (0.000000915) U	ND (0.00000214) U	0.00000544 EMPCJ			ND (0.00000138) U	ND (0.000000875) U	ND (0.00000108) U
HXCDFS	UG/L	T			ND (0.000000423) U	ND (0.000000668) U	ND (0.000000494) U	0.00000389 J			ND (0.000000313) U	ND (0.000000374) U	0.00000356 EMPC J
OCDD	UG/L	T			0.0000109 J	ND (0.00000123) U	0.000249	0.0000996	0.000089 B	0.00000896 J	0.00000472 J	ND (0.00000227) U	0.00000462 J
OCDF	UG/L	T			ND (0.00000546) U	ND (0.00000019) U	0.0000101 J	0.00000607 J	0.00000687 B	ND (0.00000753)	ND (0.00000388) U	ND (0.00000198) U	ND (0.0000109) U
TCDDS	UG/L	T			0.000000579 U*	ND (0.000000297) U	0.00000226 U*	0.000000643 J	ND (0.0000009867856)	ND (0.00000169)	0.000000633 U*	ND (0.000000298) U	ND (0.00000144) U
TOTAL HXCDD	UG/L	T							0.00000551 EMPC	ND (0.00000197)			
TOTAL PCDFs	UG/L	T			ND (0.00000119) U	ND (0.0000013) U	ND (0.00000208) U	0.00000079 J			ND (0.000000962) U	ND (0.00000173) U	ND (0.00000151) U
PCB 1	UG/L	T			ND (0.00000205) U	ND (0.000000781) U	0.00000747 J	0.00000245 EMPCJ	ND (0.00000037)	0.00000217 J	0.00000761 EMPC J	ND (0.000000679) U	ND (0.00000382) UJ
PCB 102	UG/L	T			ND (0.000000928) U	ND (0.00000156) U	ND (0.00000095) U	0.00000136 EMPCJ	ND (0.00000571)	ND (0.00000185)	ND (0.000000658) U	ND (0.00000102) U	ND (0.00000127) U
PCB 105	UG/L	T	0.017	UG/L	0.00000533 U*	ND (0.00000159) U	0.00000981 U*	0.0000231 U*	0.0000112	ND (0.00000201)	0.00000545 U*	ND (0.00000101) U	0.0000211 U*
PCB 109	UG/L	T			0.00000392 U*	ND (0.00000126) U	0.00000463 U*	0.00000316 J	ND (0.00000327)	ND (0.00000156)	0.00000382 U*	ND (0.000000739) U	0.00000637 U*
PCB 11	UG/L	T			0.0000368 U*	0.00000611 U*	0.000286 U*	0.0000519	0.0000596	0.000042	0.0000866 U*	0.0000047 U*	0.0000499 U*
PCB 110	UG/L	T			0.0000167 U*	0.00000664 U*	0.0000339 B	0.0000759 U*	0.0000218	0.0000053 J	0.0000192 U*	0.00000673 U*	0.0000798
PCB 118	UG/L	T	0.017	UG/L	0.00000961 U*	0.00000368 U*	0.000019 U*	0.0000491 U*	0.0000195	0.00000512 J	0.0000108 U*	0.00000453 U*	0.00005
PCB 130	UG/L	T			0.00000922 U*	ND (0.00000182) U	0.000011 U*	0.00000456 J	ND (0.00000583)	ND (0.00000237)	0.00000969 U*	ND (0.00000114) U	0.0000141 U*
PCB 134	UG/L	T			ND (0.00000091) U	ND (0.00000189) U	ND (0.000000806) U	0.00000423 J	ND (0.0000065)	ND (0.00000222)	ND (0.000000777) U	ND (0.00000119) U	0.00000373 J
PCB 136	UG/L	T			0.00000155 J	ND (0.00000125) U	0.00000398 J	0.0000117 U*	ND (0.00000346)	ND (0.00000167)	0.00000157 J	ND (0.0000008) U	0.0000082 J
PCB 137	UG/L	T			ND (0.000000619) U	ND (0.00000126) U	0.00000144 J	0.00000289 J	ND (0.00000604)	ND (0.00000207)	ND (0.000000529) U	ND (0.000000793) U	0.00000362 J
PCB 141	UG/L	T			0.00000169 EMPC J	ND (0.0000014) U	0.00000557 J	0.0000104	0.00000783 J	ND (0.00000182)	0.00000147 EMPC J	ND (0.000000879) U	0.00000795 EMPC J
PCB 144	UG/L	T			ND (0.000000761) U	ND (0.0000015) U	0.00000153 J	0.00000313 EMPCJ	ND (0.00000525)	ND (0.0000019)	ND (0.00000065) U	ND (0.000000943) U	0.00000282 EMPC J
PCB 146	UG/L	T			0.0000152 U*	ND (0.00000144) U	0.0000182 U*	0.00000705 J	ND (0.00000447)	ND (0.0000017)	0.000015 U*	ND (0.000000902) U	0.0000209 U*
PCB 15	UG/L	T			0.00000341 J	ND (0.00000271) U	0.00000549 J	0.00000843	ND (0.00000202)	0.00000328 J	0.00000611 J	ND (0.00000265) U	0.0000068 J
PCB 158	UG/L	T			0.00000185 J	ND (0.00000118) U	0.0000036 J	0.00000664 J	ND (0.00000354)	ND (0.00000149)	0.00000132 J	ND (0.000000738) U	0.00000699 J
PCB 16	UG/L	T			0.00000452 U*	ND (0.00000238) U	0.00000832 B	0.0000117	ND (0.00000749)	ND (0.0000021)	0.00000903 B	ND (0.00000214) U	0.0000107 U*
PCB 167	UG/L	T	0.017	UG/L	0.00000358 J	ND (0.00000115) U	0.00000431 J	0.00000297 J	ND (0.00000424)	ND (0.00000221)	0.0000034 J	ND (0.00000082) U	0.0000061 J
PCB 17	UG/L	T			0.00000392 U*	ND (0.00000167) U	0.00000684 U*	0.0000084	ND (0.00000619)	0.00000243 J	0.00000716 U*	ND (0.0000015) U	0.0000074 U*
PCB 170	UG/L	T			0.00000442 EMPC J	ND (0.00000313) U	0.0000105	0.0000153	0.0000119	ND (0.0000028)	0.00000187 J	ND (0.00000182) U	0.00000792 J
PCB 172	UG/L	T			ND (0.000000917) U	ND (0.00000314) U	0.00000217 J	0.00000271 J	ND (0.00000627)	ND (0.00000274)	ND (0.000000817) U	ND (0.00000182) U	ND (0.0000014) U
PCB 174	UG/L	T			0.00000434 EMPC J	ND (0.0000033) U	0.0000127	0.0000167	0.0000113	ND (0.0000026)	0.00000252 J	ND (0.00000192) U	0.00000543 J
PCB 176	UG/L	T			ND (0.000000434) U	ND (0.000000702) U	0.00000116 EMPC J	0.00000199 EMPCJ	ND (0.00000461)	ND (0.00000175)	ND (0.000000349) U	ND (0.000000791) U	ND (0.000000737) U
PCB 177	UG/L	T			0.00000265 J	ND (0.00000359) U	0.0000071 J	0.00000899	ND (0.00000665)	ND (0.00000269)	0.00000116 EMPC J	ND (0.00000209) U	0.000003 EMPC J
PCB 178	UG/L	T			ND (0.000000621) U	ND (0.00000106) U	0.00000176 J	0.0000033 J	ND (0.00000522)	ND (0.00000204)	ND (0.0000005) U	ND (0.0000012) U	ND (0.00000106) U
PCB 179	UG/L	T			0.00000176 J	ND (0.000000877) U	0.00000405 EMPC J	0.00000771 J	0.00000416 J	ND (0.00000153)	ND (0.000000442) U	ND (0.000000989) U	0.00000169 EMPC J
PCB 183	UG/L	T			0.00000234 EMPC J	ND (0.0000025) U	0.00000647 J	0.00000758 J	0.00000889 J	ND (0.00000208)	0.000000978 EMPC J	ND (0.00000145) U	0.0000029 J
PCB 187	UG/L	T			0.00000658 J	ND (0.00000304) U	0.0000143	0.0000215	0.0000162	ND (0.00000236)	0.000003 J	ND (0.00000177) U	0.00000465 EMPC J
PCB 19	UG/L	T			0.00000152 EMPC J	ND (0.00000189) U	0.00000207 J	0.00000297 J	ND (0.00000744)	ND (0.0000019)	0.00000222 EMPC J	ND (0.0000017) U	ND (0.00000312) U
PCB 190	UG/L	T			0.00000116 EMPC J	ND (0.00000267) U	0.00000256 J	0.00000297 EMPCJ	ND (0.00000482)	ND (0.00000231)	ND (0.000000757) U	ND (0.00000155) U	ND (0.00000129) U
PCB 194	UG/L	T			0.00000438 J	ND (0.00000136) U	0.00000929	0.0000121	0.00000713 J	ND (0.00000275)	0.00000239 J	ND (0.00000153) U	0.00000235 J
PCB 195	UG/L	T			ND (0.000000944) U	ND (0.00000143) U	0.00000349 J	0.00000369 EMPCJ	ND (0.00000567)	ND (0.00000277)	ND (0.000000815) U	ND (0.00000161) U	ND (0.00000127) U
PCB 196	UG/L	T			0.00000162 J	ND (0.00000127) U	0.00000344 J	0.00000511 J	ND (0.00000567)	ND (0.0000023)	ND (0.000000564) U	ND (0.00000119) U	ND (0.000000978) U

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-11D	MW-11D	MW-12D	MW-12D	MW-12D	MW-12D	MW-13D	MW-13D	MW-14D	
				Date	5/23/07	8/20/07	5/21/07	8/20/07	5/26/10	8/19/10	5/17/07	8/20/07	5/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB 2	UG/L	T			0.00000249 EMP C J	ND (0.00000099) U	0.00000701 J	ND (0.00000112) U	ND (0.000003)	0.00000171 J	0.00000811 J	ND (0.00000853) U	ND (0.00000372) U	
PCB 200	UG/L	T			ND (0.00000607) U	ND (0.00000114) U	0.00000121 J	ND (0.00000118) U	ND (0.00000504)	ND (0.00000192)	ND (0.00000054) U	ND (0.00000106) U	ND (0.000000936) U	
PCB 201	UG/L	T			ND (0.000000553) U	ND (0.00000103) U	0.000000649 EMP C J	ND (0.00000107) U	ND (0.00000479)	ND (0.00000181)	ND (0.000000492) U	ND (0.00000096) U	ND (0.000000852) U	
PCB 202	UG/L	T			ND (0.000000535) U	ND (0.00000107) U	0.00000141 J	ND (0.00000111) U	ND (0.00000568)	ND (0.00000201)	ND (0.000000476) U	ND (0.000000998) U	ND (0.000000825) U	
PCB 203	UG/L	T			0.00000237 EMP C J	ND (0.00000136) U	0.00000487 J	0.00000604 EMP C J	ND (0.0000052)	ND (0.00000221)	0.00000119 J	ND (0.00000127) U	ND (0.00000103) U	
PCB 206	UG/L	T			ND (0.0000013) U	ND (0.0000029) U	0.00000596 J	ND (0.00000637) U	ND (0.0000137)	ND (0.0000032)	ND (0.00000128) U	ND (0.00000277) U	ND (0.00000217) U	
PCB 208	UG/L	T			ND (0.0000001) U	ND (0.00000219) U	0.0000019 J	ND (0.00000416) U	ND (0.0000118)	ND (0.0000024)	ND (0.000000969) U	ND (0.00000202) U	ND (0.00000171) U	
PCB 209	UG/L	T			0.00000299 J	ND (0.00000137) U	0.0000127	0.00000967	ND (0.00000509)	ND (0.00000372)	0.00000343 J	ND (0.000000907) U	0.00000292 J	
PCB 22	UG/L	T			0.00000315 U*	ND (0.0000024) U	0.00000639 U*	0.0000136	0.00000595 J	0.00000224 J	0.0000064 U*	ND (0.00000213) U	0.00000562 U*	
PCB 25	UG/L	T			0.00000107 EMP C J	ND (0.00000216) U	0.00000145 J	0.00000284 J	ND (0.00000377)	ND (0.00000118)	0.00000194 J	ND (0.00000192) U	ND (0.00000204) U	
PCB 27	UG/L	T			ND (0.000000819) U	ND (0.00000143) U	0.00000137 EMP C J	0.0000024 J	ND (0.00000503)	ND (0.0000013)	0.00000144 J	ND (0.00000128) U	ND (0.00000238) U	
PCB 3	UG/L	T			0.00000336 U*	ND (0.000000892) U	0.00000764 J	ND (0.00000101) U	ND (0.00000391)	0.0000037 J	0.00000855 J	ND (0.000000768) U	ND (0.00000381) U	
PCB 31	UG/L	T			0.00000642 U*	ND (0.00000197) U	0.0000122 U*	0.0000251	0.0000118	0.00000552 J	0.0000128 U*	ND (0.00000175) U	0.0000119 U*	
PCB 32	UG/L	T			0.00000258 U*	ND (0.00000117) U	0.00000452 U*	0.00000616 EMP C J	0.00000557 J	0.00000258 J	0.00000536 U*	ND (0.00000105) U	0.00000637 U*	
PCB 35	UG/L	T			ND (0.00000111) U	ND (0.00000265) U	0.00000409 J	ND (0.0000019) U	ND (0.00000477)	ND (0.0000015)	ND (0.000000935) U	ND (0.00000235) U	ND (0.00000233) U	
PCB 37	UG/L	T			0.00000204 J	ND (0.00000256) U	0.00000385 J	0.0000114	0.00000602 J	ND (0.00000161)	0.00000608 J	ND (0.00000228) U	0.00000361 J	
PCB 4	UG/L	T			0.00000636 U*	ND (0.00000331) U	0.0000104 U*	ND (0.00000416) U	ND (0.0000039)	ND (0.00000736)	0.00000871 U*	ND (0.00000392) U	0.00001 U*	
PCB 41	UG/L	T			ND (0.00000107) U	ND (0.00000132) U	0.00000151 J	0.00000341 EMP C J	ND (0.00000594)	ND (0.000002)	ND (0.000000699) U	ND (0.00000131) U	ND (0.00000182) U	
PCB 42	UG/L	T			0.00000191 J	ND (0.00000146) U	0.00000294 EMP C J	0.0000101	ND (0.00000575)	ND (0.00000213)	0.00000278 J	ND (0.00000145) U	0.00000406 J	
PCB 45	UG/L	T			ND (0.000000903) U	ND (0.00000119) U	0.00000185 J	0.00000519 J	ND (0.00000565)	ND (0.00000174)	0.0000018 J	ND (0.00000118) U	0.00000265 J	
PCB 46	UG/L	T			ND (0.000000998) U	ND (0.0000013) U	ND (0.000000872) U	0.00000258 J	ND (0.00000576)	ND (0.00000215)	ND (0.00000065) U	ND (0.00000129) U	ND (0.00000169) U	
PCB 48	UG/L	T			0.0000013 EMP C J	ND (0.00000112) U	0.00000219 J	0.0000061 J	ND (0.00000487)	ND (0.0000018)	0.00000218 J	ND (0.00000112) U	0.00000297 J	
PCB 51	UG/L	T			ND (0.000000954) U	ND (0.00000118) U	0.00000128 EMP C J	0.00000591 J	ND (0.00000495)	ND (0.00000219)	0.00000102 EMP C J	ND (0.00000117) U	ND (0.00000161) U	
PCB 52	UG/L	T			0.00000856 U*	0.00000807 U*	0.0000199 U*	0.0000693 U*	0.0000179 B	0.00000748 J	0.0000129 U*	0.00000738 U*	0.0000443 U*	
PCB 56	UG/L	T			0.00000169 EMP C J	ND (0.00000209) U	0.00000477 J	0.0000155	ND (0.00000404)	ND (0.00000121)	0.00000359 J	ND (0.00000102) U	0.00000554 J	
PCB 6	UG/L	T			0.0000026 U*	ND (0.00000277) U	0.00000373 J	ND (0.00000295) U	ND (0.0000147)	0.00000138 J	0.00000294 J	ND (0.00000271) U	ND (0.00000436) U	
PCB 60	UG/L	T			ND (0.000000708) U	ND (0.00000185) U	0.00000222 J	0.00000755 J	ND (0.00000401)	ND (0.00000118)	0.00000173 J	ND (0.000000909) U	0.00000276 J	
PCB 64	UG/L	T			0.00000233 U*	ND (0.000000775) U	0.00000461 U*	0.0000133	0.00000707 J	ND (0.00000156)	0.00000372 U*	ND (0.000000769) U	0.00000639 U*	
PCB 66	UG/L	T			0.00000344 U*	0.00000237 U*	0.0000075 U*	0.0000286	0.0000105	0.00000371 J	0.00000578 U*	ND (0.000000996) U	0.0000097 U*	
PCB 68	UG/L	T			ND (0.000000727) U	ND (0.00000181) U	ND (0.00000085) U	0.00000234 J	ND (0.00000433)	ND (0.00000128)	ND (0.000000703) U	ND (0.000000889) U	ND (0.00000155) U	
PCB 7	UG/L	T			ND (0.00000121) U	ND (0.00000245) U	0.00000148 J	ND (0.00000261) U	ND (0.0000143)	0.00000262 J	0.00000155 J	ND (0.00000239) U	ND (0.00000381) U	
PCB 77	UG/L	T	0.0052	UG/L	ND (0.000000836) U	ND (0.00000238) U	0.00000168 J	0.00000473 J	ND (0.00000559)	ND (0.00000152)	ND (0.000000795) U	ND (0.00000111) U	ND (0.00000164) U	
PCB 8	UG/L	T			0.00000946 U*	ND (0.0000027) U	0.0000168 U*	0.00000865	0.0000102	0.00000552 J	0.0000128 U*	ND (0.00000264) U	0.0000135 U*	
PCB 82	UG/L	T			ND (0.0000014) U	ND (0.00000229) U	0.0000033 J	0.00000794 EMP C J	ND (0.00000614)	ND (0.00000246)	0.00000164 EMP C J	ND (0.00000149) U	0.00000767 J	
PCB 83	UG/L	T			ND (0.00000125) U	ND (0.00000201) U	0.00000289 J	0.00000399 J	ND (0.00000597)	ND (0.0000023)	0.00000258 J	ND (0.00000131) U	0.00000387 J	
PCB 9	UG/L	T			0.00000039 J	ND (0.00000269) U	0.00000412 J	ND (0.00000286) U	ND (0.0000144)	ND (0.00000531)	0.00000377 J	ND (0.00000263) U	ND (0.00000441) U	
PCB 92	UG/L	T			0.00000301 U*	ND (0.00000194) U	0.00000473 U*	0.000012 U*	ND (0.00000552)	ND (0.00000224)	0.00000319 J	ND (0.00000126) U	0.0000137	
PCB 95	UG/L	T			0.00000565 U*	0.00000645 U*	0.0000155 U*	0.0000604 U*	0.000019	0.00000525 J	0.00000825 U*	0.00000607 U*	0.0000456	
PCB 99	UG/L	T			0.00000576 J	0.00000246 U*	0.0000109 B	0.0000249 U*	0.00000902 J	ND (0.00000187)	0.00000599 J	0.00000332 U*	0.0000219 B	
PCB-107/124	UG/L	T			ND (0.000000889) U	ND (0.00000146) U	ND (0.00000091) U	0.00000218 EMP C J	ND (0.00000391)	ND (0.00000176)	ND (0.000000631) U	ND (0.000000951) U	0.00000278 J	
PCB-108/119/86/97/125/87	UG/L	T			0.00000887 J	0.00000528 U*	0.0000179 J	0.000048 U*	ND (0.00000485)	ND (0.00000198)	0.0000121 J	0.00000552 U*	0.0000435 J	
PCB-113/90/101	UG/L	T			0.00001 U*	0.00000757 U*	0.0000233 U*	0.000066 U*	0.0000195	0.00000723 J	0.0000119 U*	0.000008 U*	0.0000625	
PCB-116/85	UG/L	T			0.0000022 J	ND (0.00000144) U	0.00000383 J	0.0000067 EMP C J	ND (0.00000577)	ND (0.0000022)	0.00000221 EMP C J	ND (0.000000933) U	0.00000824 J	
PCB-128/166	UG/L	T			0.00000523 U*	ND (0.00000125) U	0.00000642 U*	0.0000107 J	ND (0.00000459)	ND (0.00000211)	0.00000358 U*	ND (0.000000893) U	0.0000137 U*	
PCB-147/149	UG/L	T			0.0000158 J	0.00000353 U*	0.0000296 B	0.0000465 U*	0.0000235	0.00000329 J	0.0000146 J	0.00000417 U*	0.0000443 B	
PCB-153/168	UG/L	T			0.0000172 U*	0.00000361 U*	0.0000341 U*	0.0000438	0.0000025	0.00000373 J	0.0000154 U*	0.00000326 U*	0.0000442 U*	
PCB-156/157	UG/L	T			0.00000374 U*	ND (0.00000156) U	0.00000505 U*	0.00000848 J	ND (0.00000545)	ND (0.00000304)	0.00000338 U*	ND (0.00000108) U	0.0000109 U*	
PCB-163/138/129	UG/L	T			0.000023 U*	0.00000489 U*	0.0000408 U*	0.0000586 U*	0.0000387	0.00000425 J	0.0000186 U*	0.00000499 U*	0.0000704 U*	
PCB-171/173	UG/L	T			0.00000194 J	ND (0.00000339) U	0.00000323 J	0.00000487 J	ND (0.00000657)	ND (0.00000275)	ND (0.000000891) U	ND (0.00000197) U	ND (0.00000153) U	
PCB-180/193	UG/L	T			0.0000108 J	ND (0.00000261) U	0.0000258	0.0000321	0.0000265	ND (0.00000215)	0.00000329 EMP C J	ND (0.00000152) U	0.0000103 J	
PCB-198/199	UG/L	T			0.00000431 J	ND (0.00000155) U	0.00000821 EMP C J	0.0000142 J	0.00000719 J	ND (0.00000244)	0.00000176 J	ND (0.00000145) U	0.000003 J	
PCB-21/33	UG/L	T			0.00000451 U*	ND (0.00000208) U	0.0000079 J	0.000017	0.00000875 J	0.00000426 J	0.00000974 J	ND (0.00000184) U	0.00000868 U*	
PCB-26/29	UG/L	T			0.00000234 J	ND (0.0000022) U	0.00000338 J	0.00000596 J	ND (0.00000419)	ND (0.00000129)	0.00000351 J	ND (0.00000195) U	0.0000028 EMP C J	

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-11D	MW-11D	MW-12D	MW-12D	MW-12D	MW-12D	MW-13D	MW-13D	MW-14D
				Date	5/23/07	8/20/07	5/21/07	8/20/07	5/26/10	8/19/10	5/17/07	8/20/07	5/23/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
PCB-28/20	UG/L	T			0.00000902 U*	ND (0.00000234) U	0.0000158 U*	0.0000309	0.000183 B	0.00000902 J	0.0000165 U*	ND (0.00000208) U	0.0000138 U*
PCB-30/18	UG/L	T			0.00000955 U*	0.00000232 J	0.0000166 U*	0.0000213	0.0000128	0.00000498 J	0.0000174 U*	0.00000306 J	0.0000193 U*
PCB-44/47/65	UG/L	T			0.0000083 U*	0.00000511 U*	0.0000168 U*	0.000067	0.0000141	0.0000086 J	0.0000129 U*	0.0000045 U*	0.0000245 U*
PCB-50/53	UG/L	T			0.00000125 J	ND (0.00000111) U	0.00000198 EMPC J	0.0000055 J	ND (0.00000538)	ND (0.00000199)	0.00000162 J	ND (0.0000011) U	0.0000025 J
PCB-59/62/75	UG/L	T			ND (0.00000675) U	ND (0.00000884) U	0.00000117 J	0.000003	ND (0.00000416)	ND (0.0000016)	0.00000102 J	ND (0.00000878) U	ND (0.00000114) U
PCB-61/70/74/76	UG/L	T			0.00000654 U*	0.00000407 U*	0.0000174 U*	0.0000621	0.0000233	0.00000703 J	0.0000129 U*	0.00000466 U*	0.0000336
PCB-69/49	UG/L	T			0.00000316 U*	0.0000026 U*	0.00000652 U*	0.0000206	0.0000101	0.00000277 J	0.00000535 U*	0.00000235 U*	0.0000106 U*
PCB-71/40	UG/L	T			0.00000253 EMPC J	ND (0.00000127) U	0.00000569 J	0.0000166 J	ND (0.00000465)	ND (0.00000187)	0.00000428 J	ND (0.00000127) U	0.00000688 J
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000626 J	0.00000611 U*	0.000328 J	0.000069	0.0000699	0.0000548	0.000122 J	0.0000047 U*	0.0000803 J
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000036 EMPC	ND (0.00000207) U	0.0000917 EMPC J	0.000126 EMPCJ	0.000079	ND (0.00000219)	0.0000128 EMPC J	ND (0.0000014) U	0.0000359 EMPC J
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000125 EMPC J	0.0000142 U*	0.000206 J	0.000263 EMPCJ	0.000095	0.0000113	0.000116 EMPC J	0.0000124 U*	0.000316 EMPC J
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000585 EMPC J	ND (0.00000837) U	0.0000221 J	0.00000245 EMPCJ	ND (0.00000381)	0.00000758	0.0000243 EMPC J	ND (0.00000724) U	ND (0.00000382) U
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000115) U	ND (0.00000254) U	0.00000786 J	ND (0.00000527) U	ND (0.0000127)	ND (0.0000028)	ND (0.00000112) U	ND (0.0000024) U	ND (0.00000194) U
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000127 EMPC J	ND (0.00000108) U	0.0000326 EMPC J	0.0000411 EMPCJ	0.0000143	ND (0.0000023)	0.00000534 J	ND (0.00000112) U	0.00000535 J
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000771 EMPC J	0.0000321 U*	0.00016 EMPC J	0.000416 EMPCJ	0.0001	0.0000229	0.0000933 EMPC J	0.0000362 U*	0.00039 J
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.000041 EMPC J	0.0000222 U*	0.0001 EMPC J	0.000349 EMPCJ	0.0000829	0.0000296	0.0000736 EMPC J	0.0000189 U*	0.000156 J
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000507 EMPC J	0.00000232 J	0.0000948 EMPC J	0.00016 EMPCJ	0.0000692 EMPC	0.000031	0.0000996 EMPC J	0.00000306 J	0.0000901 EMPC J
ALUMINUM	UG/L	D	37000	UG/L	ND (80.2)	ND (80.2)	ND (80.2)	7770	2640	ND (83.4)	ND (80.2)	ND (80.2)	100 J
ALUMINUM	UG/L	T	37000	UG/L	2780	266 B	7920	3000	32400	426	ND (80.2)	105 B	1680
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)			ND (9.7)	ND (9.7)	ND (9.7)
ARSENIC	UG/L	D	10	UG/L	ND (0.7)	ND (0.7)	1.2 J	2.4			ND (0.67)	ND (0.7)	0.83 J
ARSENIC	UG/L	T	10	UG/L	ND (0.7)	ND (0.7)	1.5 J	3.1			ND (0.67)	ND (0.7)	ND (0.7)
BARIUM	UG/L	D	2000	UG/L	99.7	92.8	104	268	272	144	96.9	93.1	103
BARIUM	UG/L	T	2000	UG/L	103	89.2	168	246	896	147	96.5	87	107
BERYLLIUM	UG/L	D	4	UG/L	ND (0.94)	ND (0.9)	ND (0.9)	ND (0.9)	1.6 J	1.4 B	ND (0.94)	ND (0.9)	ND (0.94)
BERYLLIUM	UG/L	T	4	UG/L	ND (0.94)	ND (0.9)	ND (0.9)	ND (0.9)	4 J	1.4 B	ND (0.94)	ND (0.9)	ND (0.94)
CADMIUM	UG/L	D	5	UG/L	ND (0.91)	ND (0.9) UJ	0.93 J	ND (0.9) UJ	ND (2)	ND (2)	ND (0.91)	ND (0.9)	ND (0.91)
CADMIUM	UG/L	T	5	UG/L	ND (0.91)	ND (0.9) UJ	3.2 J	ND (0.9) UJ	ND (2)	ND (2)	ND (0.91)	ND (0.9)	ND (0.91)
CALCIUM	UG/L	D			8880	8050	26300	26800			14700	13000	39200
CALCIUM	UG/L	T			8930	7470	27900	30800			14100	12100	39100
CHROMIUM	UG/L	D	100	UG/L	ND (2.3)	ND (2.3)	ND (2.3)	43.5			ND (2.3)	ND (2.3)	2.4 J
CHROMIUM	UG/L	T	100	UG/L	12.4 J	2.7 J	38.3	28.2			ND (2.3)	ND (2.3)	10.6 J
COBALT	UG/L	D	11	UG/L	ND (2.1)	ND (2.1)	3.9 J	5.1	3.7 J	3.9 J	4.4 J	3.6 J	ND (2.1)
COBALT	UG/L	T	11	UG/L	2.9 J	ND (2.1)	9	ND (2.1)	^28.8	4 J	4.4 J	3.4 J	ND (2.1)
COPPER	UG/L	T	1300	UG/L	2.8 J	ND (2.2) UJ	11	10.5 B	35.2	ND (2.7)	ND (2.2)	ND (2.2)	2.4 J
FERROUS IRON	UG/L	T			19500 J	18200 J	45500	14300 J			18700 J	15100 J	930 J
IRON	UG/L	D	26000	UG/L	18300	16000	9670	^36800	^26800	^32500	20400	20600	792
IRON	UG/L	T	26000	UG/L	^27000	18000	^33000	^32000	^111000	^33600	20500	17200	4130
LEAD	UG/L	D	15	UG/L	ND (0.037)	ND (0.047)	0.078 J	2.7 B	1.7	ND (0.052)	ND (0.047)	0.095 B	0.091 B
LEAD	UG/L	T	15	UG/L	0.77 J	0.34 B	3.3	1.1 B	^26.3	0.15 B	0.18 B	0.18 B	0.56 J
MAGNESIUM	UG/L	D			3130	2910	4930	4520			4740	5000	8000
MAGNESIUM	UG/L	T			3150	2750	5730	4340			4710	4660	8010
MANGANESE	UG/L	D	880	UG/L	105	103	510	553	400	347	281	283	27.3
MANGANESE	UG/L	T	880	UG/L	119	101	571	481	824	353	281	266	30.5
MERCURY	UG/L	D	2	UG/L	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)			0.083 J	ND (0.056)	ND (0.056)
MERCURY	UG/L	T	2	UG/L	ND (0.056)	ND (0.056)	ND (0.056)	ND (0.056)			ND (0.056)	ND (0.056)	ND (0.056)
NICKEL	UG/L	D	730	UG/L	5.9 J	ND (5.6) UJ	12	37.2 J	12.9	5.8 J	8.1 J	8.6 J	ND (5.6)
NICKEL	UG/L	T	730	UG/L	11.9	6.6 J	19.7	12.3 J	148	5.8 J	9.3 J	8.9 J	11.4
POTASSIUM	UG/L	D			612	499 B	730	11800			747	594	2560
POTASSIUM	UG/L	T			581	453 B	961	17800			931	1680	2530
SODIUM	UG/L	D			9800	8290	30700 J	134000			24500	23700	21900
SODIUM	UG/L	T			9570	8010	29600 J	188000			24400	23300	21700
TITANIUM	UG/L	D			ND (2.8)	ND (2.8) UJ	ND (2.8)	190 J			ND (2.8)	ND (2.8)	3.4 J

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-11D	MW-11D	MW-12D	MW-12D	MW-12D	MW-12D	MW-13D	MW-13D	MW-14D
				Date	5/23/07	8/20/07	5/21/07	8/20/07	5/26/10	8/19/10	5/17/07	8/20/07	5/23/07
				Top (ft)	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS
TITANIUM	UG/L	T			100	9 B	235	53.9 J			ND (2.8)	6.9 B	47.2
VANADIUM	UG/L	D			ND (1.5)	ND (1.5) UJ	ND (1.5)	39.1 J			ND (1.5)	ND (1.5)	ND (1.5)
VANADIUM	UG/L	T			16.5	1.6 J	66.1	12.7 J			ND (1.5)	3.3 J	6.8
ZINC	UG/L	D	11000	UG/L	11.5 J	11.1 B	35.8	25.3 B	16.5 J	ND (8.1)	20.6	13.6 B	8.5 J
ZINC	UG/L	T	11000	UG/L	19.8 J	13.2 B	61.6	98.3	192	ND (8.1)	20.8	14 B	10.9 J
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			52000	61800	75300	158000			94100	88900	106000
AMMONIA	UG/L	T			ND (200)	ND (200)	ND (200)	ND (200)			ND (200)	ND (200)	ND (200)
CHLORIDE	UG/L	T			10800 J	21400	24800	310000			27000	35500	37400 J
FERRIC IRON	UG/L	T			7500 J	ND (400)	ND (1600)	17700			1800 J	2100 J	3200
NITRITE	UG/L	T	1000	UG/L	38 J	31 J	47 J	31 J			33 J	19 J	ND (15)
SILICA	UG/L	T			42500 J	45400	25700	15100			32900	29300	35600 J
SULFATE	UG/L	T			ND (12500)	ND (2500)	28500 J	ND (12500)			ND (5000)	ND (10000)	8000 J
SULFIDE	UG/L	T			ND (54)	ND (54)	580	260 J			ND (54)	ND (54)	ND (54)
TOTAL ORGANIC CARBON	UG/L	T			ND (1000)	ND (1000)	9500	8200			1300 J	1200 J	ND (1000)
TOTAL SUSPENDED SOLIDS	UG/L	T			178000	19200	201000	175000	2020000	22000	14000 B	25200	39600
COLOR QUALITATIVE (FIELD)	NS	T			Clear	clr	Cloudy	lt. gray	NS	NS	Clear	clr	Clear
DISSOLVED OXYGEN (FIELD)	UG/L	T			1070	410	890	170	570	70	660	720	2540
ODOR (FIELD)	NS	T			No	no	No	no	NS	NS	No	no	No
OVABZONE	PPM	T			NR		NR		NS	NS	NR		NR
OVACASING	PPM	T			NR		NR		NS	NS	NR		NR
TOTAL WELL DEPTH	Feet	T							NS	NS			
TURBIDITY QUANTITATIVE (FIELD)	NTU	T				low*							
HPCDFS	UG/L	T			ND (0.00000109) U	0.00000107 U*	0.00000155	0.00000672 J			ND (0.00000115) U	ND (0.000000728) U	0.00000366 EMPC J

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-14D	MW-15D	MW-15D	MW-15D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-17D
				Date	8/22/07	5/18/07	8/21/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/23/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
ACETONE	UG/L	T	22000	UG/L	ND (6)	ND (6)	ND (6)		ND (6)	17 J				ND (6)
BENZENE	UG/L	T	5	UG/L	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)				ND (0.5)
CARBON DISULFIDE	UG/L	T	1000	UG/L	ND (1)	ND (1)	ND (1)		ND (1)	3 J				2 J
METHYL ETHYL KETONE	UG/L	T	7100	UG/L	ND (3)	ND (3)	ND (3)		ND (3)	ND (3)				ND (3)
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)	ND (0.8)	ND (0.8)		ND (0.8)	ND (0.8)				ND (0.8)
TOLUENE	UG/L	T	1000	UG/L	ND (0.7)	ND (0.7)	2 J		ND (0.7)	ND (0.7)				ND (0.7)
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)				ND (1)
2,4-DINITROTOLUENE	UG/L	T	0.22	UG/L	^ND (1)	^2 J		^ND (1)	^ND (0.9)	^ND (1)				^ND (1)
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	^7	2 J		ND (2)	^7	^7				ND (2)
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	ND (2)	ND (2)		ND (2)	ND (2)	ND (2)				9
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.00000424) U	ND (0.0000266) U	ND (0.0000208) U		ND (0.00000314) U	ND (0.00000119) U	ND (0.000003003981)		ND (0.00000866)	ND (0.00000254) U
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000061) U	0.0000209 J	ND (0.0000208) U		ND (0.00000849) U	ND (0.0000021) U	ND (0.000001754766)		ND (0.00000541)	ND (0.00000069) U
HPCDDS	UG/L	T			0.00000072 J	0.00000304 EMPC J	0.00000224 EMPC J		ND (0.00000314) U	0.000000722 U*				ND (0.00000254) U
HXCDDS	UG/L	T			ND (0.000000764) U	ND (0.00000149) U	ND (0.000000618) U		ND (0.00000149) U	ND (0.00000145) U				ND (0.00000125) U
HXCDFS	UG/L	T			ND (0.000000416) U	ND (0.000000313) U	ND (0.000000336) U		ND (0.00000032) U	ND (0.000000358) U				ND (0.000000311) U
OCDD	UG/L	T			ND (0.00000417) U	0.0000281 J	0.00000622 EMPC J		ND (0.00000632) U	ND (0.00000164) U	ND (0.000009644459)		ND (0.00000199)	0.0000101 J
OCDF	UG/L	T			ND (0.00000107) U	0.0000131 J	ND (0.00000124) U		0.00000877 J	ND (0.00000133) U	ND (0.000004936415)		ND (0.00000275)	ND (0.00000594) U
TCDDS	UG/L	T			ND (0.00000035) U	0.000000715 U*	ND (0.000000253) U		0.000000808 U*	ND (0.000000376) U	ND (0.000001309446)		0.000000813 B	0.000000696 U*
TOTAL HXCDD	UG/L	T									ND (0.000001879482)		0.000000668 B	
TOTAL PCDFs	UG/L	T			ND (0.000000985) U	ND (0.000000931) U	ND (0.000000665) U		ND (0.000000949) U	ND (0.000000976) U				ND (0.00000113) U
PCB 1	UG/L	T			ND (0.000000809) U	0.00000667 J	ND (0.000000669) U		ND (0.00000179) U	ND (0.00000113) U	ND (0.00000207)		ND (0.00000076)	0.0000036 J
PCB 102	UG/L	T			ND (0.00000194) U	ND (0.000000993) U	ND (0.00000117) U		ND (0.00000169) U	ND (0.00000167) U	ND (0.00000226)		ND (0.00000144)	ND (0.00000115) U
PCB 105	UG/L	T	0.017	UG/L	0.0000265 U*	0.00000793 U*	0.00000428 U*		0.00000504 U*	ND (0.00000182) U	ND (0.0000018)		ND (0.00000155)	0.00000477 U*
PCB 109	UG/L	T			0.00000306 J	0.00000442 U*	ND (0.000000981) U		0.00000402 U*	ND (0.0000014) U	ND (0.00000137)		ND (0.00000121)	0.00000379 U*
PCB 11	UG/L	T			0.0000134 U*	0.0000536 U*	0.00000889 U*		0.0000383 U*	0.0000116 U*	0.0000235 B		0.0000448	0.0000439 U*
PCB 110	UG/L	T			0.0000556 U*	0.000033 U*	0.0000136 U*		0.0000129 U*	0.00000589 U*	0.0000046 J		0.00000341 J	0.000015 U*
PCB 118	UG/L	T	0.017	UG/L	0.0000474 U*	0.0000162 U*	0.0000103 U*		0.00000864 U*	0.00000308 U*	0.00000571 J		0.0000047 J	0.00000915 U*
PCB 130	UG/L	T			0.00000815 J	0.0000107 U*	ND (0.00000111) U		0.00000899 U*	ND (0.00000209) U	ND (0.00000219)		ND (0.00000194)	0.00000987 U*
PCB 134	UG/L	T			0.00000557 J	ND (0.000000901) U	ND (0.00000113) U		ND (0.00000204) U	ND (0.00000212) U	ND (0.0000024)		ND (0.00000181)	ND (0.00000117) U
PCB 136	UG/L	T			0.00000555 J	0.00000383 J	0.00000241 U*		ND (0.00000123) U	ND (0.00000134) U	ND (0.00000145)		ND (0.00000141)	0.00000189 J
PCB 137	UG/L	T			0.00000363 J	ND (0.000000613) U	ND (0.000000759) U		ND (0.00000139) U	ND (0.00000143) U	ND (0.00000234)		ND (0.00000169)	ND (0.000000855) U
PCB 141	UG/L	T			0.0000147 U*	0.00000417 J	0.00000204 U*		ND (0.00000148) U	ND (0.00000163) U	ND (0.00000177)		ND (0.00000149)	ND (0.000000858) U
PCB 144	UG/L	T			0.0000026 J	ND (0.000000754) U	ND (0.000000939) U		ND (0.0000017) U	ND (0.00000177) U	ND (0.00000184)		ND (0.00000155)	ND (0.000000967) U
PCB 146	UG/L	T			0.00000868 U*	0.0000172 U*	0.00000168 EMPC J		0.0000142 U*	ND (0.00000172) U	ND (0.00000166)		ND (0.00000139)	0.0000146 U*
PCB 15	UG/L	T			ND (0.00000383) U	0.00000556 J	ND (0.00000222) U		ND (0.00000392) U	ND (0.0000032) U	ND (0.0000094)		0.00000364 J	0.00000757 J
PCB 158	UG/L	T			0.0000117 U*	0.00000255 J	0.00000182 J		ND (0.00000124) U	ND (0.00000134) U	ND (0.00000135)		ND (0.00000122)	ND (0.000000759) U
PCB 16	UG/L	T			ND (0.00000263) U	0.00000943 B	ND (0.00000223) U		0.00000515 J	ND (0.00000149) U	ND (0.00000411)		0.00000205 J	0.00000999 U*
PCB 167	UG/L	T	0.017	UG/L	0.00000431 U*	0.00000383 J	0.00000131 J		ND (0.00000151) U	ND (0.00000103) U	ND (0.00000194)		ND (0.00000149)	0.00000377 J
PCB 17	UG/L	T			ND (0.00000184) U	0.00000731 U*	ND (0.0000016) U		0.00000365 U*	ND (0.00000107) U	ND (0.00000342)		0.00000178 J	0.00000823 U*
PCB 170	UG/L	T			0.0000163 B	0.00000575 J	0.00000297 J		ND (0.00000213) U	ND (0.00000171) U	ND (0.00000219)		ND (0.00000214)	ND (0.00000111) U
PCB 172	UG/L	T			ND (0.00000143) U	ND (0.000000885) U	ND (0.00000204) U		ND (0.00000213) U	ND (0.00000153) U	ND (0.00000215)		ND (0.00000202)	ND (0.00000107) U
PCB 174	UG/L	T			0.0000196 U*	0.00000744 J	0.0000031 U*		ND (0.00000232) U	ND (0.00000165) U	ND (0.00000193)		ND (0.00000191)	0.00000184 J
PCB 176	UG/L	T			ND (0.00000137) U	0.00000659 EMPC J	ND (0.000000639) U		ND (0.00000105) U	ND (0.00000069) U	ND (0.00000184)		ND (0.00000139)	ND (0.000000553) U
PCB 177	UG/L	T			0.0000103 U*	0.00000397 J	ND (0.00000233) U		ND (0.00000248) U	ND (0.00000175) U	ND (0.00000207)		ND (0.00000198)	ND (0.00000122) U
PCB 178	UG/L	T			ND (0.00000207) U	0.00000104 EMPC J	ND (0.000000959) U		ND (0.0000015) U	ND (0.00000104) U	ND (0.00000211)		ND (0.00000163)	ND (0.000000804) U
PCB 179	UG/L	T			0.00000503 U*	0.0000029 J	ND (0.000000795) U		ND (0.00000132) U	ND (0.000000859) U	ND (0.00000168)		ND (0.00000122)	ND (0.000000681) U
PCB 183	UG/L	T			0.00000657 U*	0.0000037 J	ND (0.00000177) U		ND (0.0000019) U	ND (0.00000133) U	ND (0.00000182)		ND (0.00000154)	ND (0.000000916) U
PCB 187	UG/L	T			0.0000168 U*	0.0000102	0.00000352 J		ND (0.00000217) U	ND (0.00000153) U	ND (0.0000018)		ND (0.00000174)	0.0000027 EMPC J
PCB 19	UG/L	T			ND (0.00000209) U	0.00000301 J	ND (0.00000185) U		ND (0.00000226) U	ND (0.00000124) U	ND (0.00000429)		ND (0.00000166)	ND (0.00000225) U
PCB 190	UG/L	T			ND (0.00000126) U	ND (0.000000751) U	ND (0.00000177) U		ND (0.00000183) U	ND (0.00000145) U	ND (0.00000164)		ND (0.00000176)	ND (0.000000971) U
PCB 194	UG/L	T			0.00000718 U*	0.00000563 J	0.00000331 EMPC J		ND (0.00000196) U	ND (0.00000116) U	ND (0.00000166)		ND (0.00000219)	ND (0.00000107) U
PCB 195	UG/L	T			ND (0.00000199) U	0.00000176 J	ND (0.00000102) U		ND (0.00000207) U	ND (0.00000119) U	ND (0.00000179)		ND (0.0000022)	ND (0.00000113) U
PCB 196	UG/L	T			0.00000341 J	0.00000209 J	ND (0.00000111) U		ND (0.00000147) U	ND (0.0000013) U	ND (0.00000187)		ND (0.00000185)	ND (0.000000879) U

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**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-14D	MW-15D	MW-15D	MW-15D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-17D
				Date	8/22/07	5/18/07	8/21/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0	
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB 2	UG/L	T			ND (0.0000111) U	0.00000349 J	ND (0.00000799) U		ND (0.00000179) U	ND (0.00000135) U		ND (0.00000165) U		0.00000192 J	ND (0.00000117) U
PCB 200	UG/L	T			ND (0.00000171) U	ND (0.000000782) U	ND (0.000000893) U		ND (0.00000014) U	ND (0.00000104) U		ND (0.00000174) U		ND (0.00000154) J	ND (0.000000796) U
PCB 201	UG/L	T			ND (0.00000154) U	ND (0.000000712) U	ND (0.000000895) U		ND (0.00000128) U	ND (0.00000105) U		ND (0.00000161) U		ND (0.00000146) J	ND (0.000000755) U
PCB 202	UG/L	T			0.00000224 EMPCJ	ND (0.000000689) U	ND (0.000000908) U		ND (0.00000124) U	ND (0.00000106) U		ND (0.00000191) U		ND (0.00000162) J	ND (0.000000702) U
PCB 203	UG/L	T			0.00000638 J	0.00000399 J	ND (0.00000117) U		ND (0.00000154) U	ND (0.00000137) U		ND (0.0000018) U		ND (0.00000178) J	ND (0.000000923) U
PCB 206	UG/L	T			ND (0.00000484) U	0.00000452 J	ND (0.00000443) U		ND (0.00000319) U	ND (0.00000268) U		ND (0.0000068) U		ND (0.0000025) J	ND (0.0000017) U
PCB 208	UG/L	T			ND (0.00000326) U	ND (0.00000143) U	ND (0.00000309) U		ND (0.00000237) U	ND (0.00000193) U		ND (0.00000523) U		ND (0.00000191) J	ND (0.00000125) U
PCB 209	UG/L	T			0.00000245 EMPCJ	0.0000132	0.00000189 J		0.00000601 J	ND (0.00000138) U		0.0000138		0.00000366 J	ND (0.00000104) U
PCB 22	UG/L	T			ND (0.00000162) U	0.00000675 U*	ND (0.00000128) U		0.00000341 U*	ND (0.00000193) U		0.0000026 J		0.00000174 J	ND (0.00000321) U
PCB 25	UG/L	T			ND (0.00000146) U	0.00000134 J	ND (0.00000114) U		ND (0.0000022) U	ND (0.00000172) U		ND (0.00000212) U		ND (0.000000831) J	ND (0.00000311) U
PCB 27	UG/L	T			ND (0.00000158) U	ND (0.000000904) U	ND (0.00000138) U		ND (0.00000173) U	ND (0.000000925) U		ND (0.00000272) U		ND (0.00000114) J	ND (0.00000176) U
PCB 3	UG/L	T			ND (0.000001) U	0.00000458 J	ND (0.000000767) U		ND (0.00000183) U	ND (0.0000013) U		ND (0.00000198) U		0.000003 J	0.00000364 U*
PCB 31	UG/L	T			0.00000176 U*	0.0000134 U*	0.00000247 J		0.00000723 U*	ND (0.00000159) U		0.00000398 B		0.00000467 J	0.0000127 U*
PCB 32	UG/L	T			ND (0.0000013) U	0.00000467 U*	ND (0.00000112) U		ND (0.00000139) U	ND (0.00000075) U		0.00000243 J		0.0000027 J	0.00000444 U*
PCB 35	UG/L	T			ND (0.00000179) U	ND (0.00000128) U	ND (0.00000143) U		ND (0.00000251) U	ND (0.00000216) U		ND (0.0000026) U		ND (0.00000106) J	ND (0.00000345) U
PCB 37	UG/L	T			ND (0.00000173) U	0.00000369 J	ND (0.00000141) U		ND (0.00000265) U	ND (0.00000212) U		ND (0.00000283) U		ND (0.00000113) J	ND (0.00000364) U
PCB 4	UG/L	T			ND (0.00000558) U	0.0000116	ND (0.00000408) U		ND (0.00000535) U	ND (0.00000362) U		ND (0.0000138) U		ND (0.00000728) J	0.00000761 U*
PCB 41	UG/L	T			ND (0.00000109) U	ND (0.000001) U	ND (0.00000135) U		ND (0.00000205) U	ND (0.00000108) U		ND (0.00000257) U		ND (0.00000168) J	ND (0.0000013) U
PCB 42	UG/L	T			ND (0.00000121) U	0.00000367 J	ND (0.00000147) U		ND (0.0000021) U	ND (0.00000119) U		ND (0.00000238) U		ND (0.00000179) J	ND (0.00000138) U
PCB 45	UG/L	T			ND (0.000000982) U	0.00000169 J	ND (0.00000113) U		ND (0.00000173) U	ND (0.000000915) U		ND (0.00000205) U		ND (0.00000146) J	ND (0.00000115) U
PCB 46	UG/L	T			ND (0.00000107) U	ND (0.000000931) U	ND (0.00000131) U		ND (0.00000191) U	ND (0.00000105) U		ND (0.00000241) U		ND (0.00000181) J	ND (0.00000124) U
PCB 48	UG/L	T			ND (0.000000931) U	0.00000285 J	ND (0.00000114) U		ND (0.00000162) U	ND (0.000000919) U		ND (0.00000199) U		ND (0.00000152) J	0.00000201 J
PCB 51	UG/L	T			ND (0.000000979) U	0.0000018 J	ND (0.00000125) U		ND (0.00000183) U	ND (0.00000101) U		ND (0.00000232) U		ND (0.00000184) J	ND (0.00000115) U
PCB 52	UG/L	T			0.000013 U*	0.0000205 U*	0.00001 U*		0.00000975 U*	0.00000768 U*		0.00000688 J		0.00000634 J	0.0000125 U*
PCB 56	UG/L	T			ND (0.00000169) U	0.00000449 J	ND (0.00000172) U		ND (0.00000185) U	ND (0.00000115) U		ND (0.00000238) U		0.00000123 J	0.00000257 EMPC J
PCB 6	UG/L	T			ND (0.00000391) U	0.00000421 J	ND (0.00000214) U		ND (0.00000386) U	ND (0.00000309) U		ND (0.00000773) U		ND (0.00000367) J	0.00000339 U*
PCB 60	UG/L	T			ND (0.0000015) U	0.0000019 J	ND (0.0000015) U		ND (0.00000163) U	ND (0.000001) U		ND (0.00000242) U		ND (0.000000752) J	ND (0.00000101) U
PCB 64	UG/L	T			0.00000184 U*	0.00000492 U*	0.00000147 U*		0.00000283 U*	ND (0.000000621) U		ND (0.00000169) U		ND (0.00000132) J	0.00000281 U*
PCB 66	UG/L	T			0.00000277 U*	0.00000679 U*	0.0000023 U*		0.00000318 U*	ND (0.00000113) U		0.00000332 J		0.00000285 J	0.00000422 U*
PCB 68	UG/L	T			ND (0.00000147) U	ND (0.000000872) U	ND (0.00000152) U		ND (0.00000168) U	ND (0.00000102) U		ND (0.00000266) U		ND (0.000000812) J	ND (0.00000103) U
PCB 7	UG/L	T			ND (0.00000345) U	ND (0.00000195) U	ND (0.0000019) U		ND (0.00000338) U	ND (0.00000274) U		ND (0.00000767) U		0.0000028 J	ND (0.00000172) U
PCB 77	UG/L	T	0.0052	UG/L	ND (0.00000177) U	ND (0.000001) U	ND (0.00000195) U		ND (0.00000193) U	ND (0.00000121) U		ND (0.00000296) U		ND (0.00000102) J	ND (0.00000122) U
PCB 8	UG/L	T			ND (0.00000381) U	0.0000173 U*	ND (0.00000215) U		0.00000962 U*	ND (0.00000309) U		ND (0.00000766) U		0.00000447 J	0.0000161 U*
PCB 82	UG/L	T			0.00000537 U*	0.00000364 J	ND (0.00000185) U		ND (0.00000256) U	ND (0.00000264) U		ND (0.00000243) U		ND (0.00000191) J	ND (0.00000178) U
PCB 83	UG/L	T			ND (0.0000025) U	0.0000027 J	ND (0.0000016) U		ND (0.00000228) U	ND (0.00000228) U		ND (0.00000243) U		ND (0.00000179) J	ND (0.00000164) U
PCB 9	UG/L	T			ND (0.00000379) U	0.00000393 J	ND (0.00000212) U		ND (0.00000391) U	ND (0.00000306) U		ND (0.0000077) U		ND (0.00000364) J	0.0000036 J
PCB 92	UG/L	T			0.00000458 U*	0.00000488 J	0.00000271 J		ND (0.00000224) U	ND (0.00000228) U		ND (0.00000225) U		ND (0.00000174) J	ND (0.00000155) U
PCB 95	UG/L	T			0.0000178 U*	0.0000168 U*	0.0000102 U*		0.00000478 U*	0.0000066 U*		ND (0.00000192) U		0.00000421 J	0.00000737 U*
PCB 99	UG/L	T			0.00000868 U*	0.00000997 B	0.00000447 U*		0.0000047 J	0.00000321 U*		ND (0.00000172) U		ND (0.00000145) J	0.00000525 J
PCB-107/124	UG/L	T			0.00000214 J	ND (0.000000951) U	ND (0.00000121) U		ND (0.00000162) U	ND (0.00000172) U		ND (0.00000165) U		ND (0.00000137) J	ND (0.00000113) U
PCB-108/119/86/97/125/87	UG/L	T			0.000026 U*	0.0000171 J	0.00000881 J		0.0000082 J	0.00000466 J		0.00000613 J		ND (0.00000154) J	0.00000691 J
PCB-113/90/101	UG/L	T			0.000029 U*	0.0000221 U*	0.0000127 U*		0.00000919 U*	0.00000853 U*		0.0000062 J		0.00000519 J	0.000011 U*
PCB-116/85	UG/L	T			0.00000372 J	0.00000358 EMPC J	ND (0.00000131) U		ND (0.00000172) U	ND (0.00000186) U		ND (0.00000222) U		ND (0.00000171) J	ND (0.00000112) U
PCB-128/166	UG/L	T			0.0000258 U*	0.00000578 U*	0.0000031 U*		0.00000283 U*	ND (0.00000111) U		ND (0.0000019) U		ND (0.00000142) J	0.00000307 U*
PCB-147/149	UG/L	T			0.0000407 U*	0.0000259 B	0.00000874 U*		0.0000108 J	0.00000308 U*		0.0000037 J		0.0000024 J	0.0000136 J
PCB-153/168	UG/L	T			0.0000455 U*	0.0000239 U*	0.00000874 U*		0.0000101 U*	0.00000291 U*		0.00000376 J		0.00000299 J	0.0000119 U*
PCB-156/157	UG/L	T			0.0000179 U*	0.00000391 U*	0.00000272 J		0.00000219 U*	ND (0.00000129) U		ND (0.00000247) U		ND (0.0000021) J	0.00000294 U*
PCB-163/138/129	UG/L	T			0.000115 U*	0.0000314 U*	0.0000144 U*		0.0000138 U*	0.00000346 U*		0.00000713 J		0.00000281 J	0.0000155 U*
PCB-171/173	UG/L	T			0.00000527 J	0.00000227 J	ND (0.00000218) U		ND (0.00000233) U	ND (0.00000164) U		ND (0.00000215) U		ND (0.00000202) J	ND (0.00000114) U
PCB-180/193	UG/L	T			0.0000242 U*	0.0000148 J	0.00000566 J		ND (0.00000181) U	ND (0.0000013) U		ND (0.00000171) U		ND (0.00000158) J	0.00000374 J
PCB-198/199	UG/L	T			0.0000112 U*	0.00000609 EMPC J	0.00000367 EMPCJ		ND (0.00000175) U	ND (0.00000156) U		ND (0.00000203) U		ND (0.00000196) J	ND (0.00000106) U
PCB-21/33	UG/L	T			ND (0.0000014) U	0.00000897 J	0.00000119 EMPCJ		0.00000494 J	ND (0.00000167) U		0.0000041 J		0.00000338 J	0.00000893 U*
PCB-26/29	UG/L	T			ND (0.00000148) U	0.00000309 J	ND (0.00000118) U		ND (0.00000227) U	ND (0.00000178) U		ND (0.0000023) U		ND (0.000000909) J	ND (0.00000307) U

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**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T/ Diss. (D))	Screening Criteria	Location	MW-14D	MW-15D	MW-15D	MW-15D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-17D
				Date	8/22/07	5/18/07	8/21/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/23/07	
				Top (ft)	0	0	0	0	0	0	0	0	0	0	
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0	
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	
PCB-28/20	UG/L	T			0.0000033 J	0.0000145 U*	0.00000296 J		0.00000976 U*	ND (0.00000191) U	0.00000827 B		0.00000769 J	0.0000174 U*	
PCB-30/18	UG/L	T			0.00000432 U*	0.0000189 U*	0.0000032 J		0.00000991 U*	0.00000255 J	0.00000725 B		0.00000524 J	0.0000181 U*	
PCB-44/47/65	UG/L	T			0.00000597 U*	0.000018 U*	0.00000563 U*		0.0000116 U*	0.00000353 U*	0.00000775 J		0.00000828 J	0.0000108 U*	
PCB-50/53	UG/L	T			ND (0.00000092) U	0.00000233 J	ND (0.00000111) U		ND (0.0000017) U	ND (0.000000895) U	ND (0.00000217)		ND (0.00000167)	0.00000174 J	
PCB-59/62/75	UG/L	T			ND (0.000000732) U	0.00000123 J	ND (0.000000882) U		ND (0.00000129) U	ND (0.000000711) U	ND (0.00000173)		ND (0.00000134)	ND (0.000000865) U	
PCB-61/70/74/76	UG/L	T			0.0000115 U*	0.0000174 U*	0.00000794 J		0.00000689 U*	0.00000516 J	0.00000576 J		0.00000607 J	0.00000948 U*	
PCB-69/49	UG/L	T			0.00000282 U*	0.00000737 U*	0.00000254 U*		0.00000332 U*	0.0000021 U*	0.0000035 J		0.0000029 J	0.00000454 U*	
PCB-71/40	UG/L	T			0.00000211 U*	0.00000606 J	0.00000171 U*		ND (0.00000173) U	ND (0.00000101) U	ND (0.00000196)		ND (0.00000158)	0.00000392 J	
TOTAL DICHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000134 U*	0.0000962 J	0.00000889 U*		0.000048 U*	0.0000116 U*	0.0000235 B		0.0000557	0.0000821 J	
TOTAL HEPTACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.000104 J	0.0000527 EMPC J	0.0000153 J		ND (0.00000183) U	ND (0.00000125) U	ND (0.00000195)		ND (0.00000167)	0.00000828 EMPC J	
TOTAL HEXACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.000364 J	0.000171 J	0.0000549 EMPCJ		0.0000806 EMPC J	0.0000112 U*	0.0000146 EMPC		0.0000082 EMPC	0.000101 EMPC J	
TOTAL MONOCHLOOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.000000907) U	0.0000147 J	ND (0.000000718) U		ND (0.00000181) U	ND (0.00000121) U	ND (0.00000203)		0.00000493	0.00000723 J	
TOTAL NONACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			ND (0.00000405) U	0.00000452 J	ND (0.00000376) U		ND (0.00000278) U	ND (0.00000231) U	ND (0.00000602)		ND (0.00000221)	ND (0.00000147) U	
TOTAL OCTACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.0000304 EMPCJ	0.0000196 EMPC J	0.00000698 EMPCJ		ND (0.00000147) U	ND (0.000000997) U	ND (0.00000176)		ND (0.00000184)	ND (0.000000821) U	
TOTAL PENTACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.00024 J	0.000153 EMPC J	0.0000705 J		0.0000575 EMPC J	0.000032 J	0.0000226		0.0000175 EMPC	0.0000632 EMPC J	
TOTAL TETRACHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.00004 U*	0.000101 J	0.0000316 J		0.0000375 U*	0.0000185 J	0.0000272 EMPC		0.0000277	0.0000546 EMPC J	
TOTAL TRICHLOOROBIPHENYLS (CONGENERS)	UG/L	T			0.00000938 J	0.000095 J	0.00000982 EMPCJ		0.0000441 J	0.00000255 J	0.0000286 B		0.0000293 EMPC	0.0000798 U*	
ALUMINUM	UG/L	D	37000	UG/L	ND (80.2)	ND (80.2)		ND (80.2)	ND (80.2)	ND (80.2)		ND (80.2)	ND (83.4)	ND (80.2)	
ALUMINUM	UG/L	T	37000	UG/L	333	2060		345 J	302	ND (80.2)		235	324	3040	
ANTIMONY	UG/L	D	6	UG/L	^15.3 J	ND (9.7)		ND (9.7)	ND (9.7)	ND (9.7)				ND (9.7)	
ARSENIC	UG/L	D	10	UG/L	ND (0.7)	0.79 J		0.93 J	ND (0.67)	0.83 J				ND (0.7)	
ARSENIC	UG/L	T	10	UG/L	1.4 J	ND (0.7)		1.1 J	0.76 J	0.96 J				ND (0.7)	
BARIUM	UG/L	D	2000	UG/L	109	83.5		85.8	63.2	64.2		55.8	59.2	91.2	
BARIUM	UG/L	T	2000	UG/L	129	85.9		87.5	67.6	72.6		56.3	59.2	96.3	
BERYLLIUM	UG/L	D	4	UG/L	ND (0.9)	ND (0.94)		ND (0.9)	ND (0.94)	ND (0.9)		ND (1.4)	1.4 B	ND (0.94)	
BERYLLIUM	UG/L	T	4	UG/L	ND (0.9)	ND (0.94)		ND (0.9)	ND (0.94)	ND (0.9)		ND (1.4)	1.4 B	ND (0.94)	
CADMIUM	UG/L	D	5	UG/L	ND (0.9)	ND (0.91)		ND (0.9)	ND (0.91)	ND (0.9)		ND (2)	ND (2)	ND (0.91)	
CADMIUM	UG/L	T	5	UG/L	ND (0.9)	ND (0.91)		ND (0.9)	ND (0.91)	ND (0.9)		ND (2)	ND (2)	ND (0.91)	
CALCIUM	UG/L	D			37200	15800		14800	16700	15600				27500	
CALCIUM	UG/L	T			39600	15000		15000	18000	18800				28300	
CHROMIUM	UG/L	D	100	UG/L	ND (2.3)	ND (2.3)		ND (2.3)	ND (2.3)	ND (2.3)				ND (2.3)	
CHROMIUM	UG/L	T	100	UG/L	7.9 J	11.7 B		14.9 J	3.4 J	ND (2.3)				17.7	
COBALT	UG/L	D	11	UG/L	3.3 J	ND (2.1)		ND (2.1)	ND (2.1)	ND (2.1)		ND (2.1)	ND (2.3)	ND (2.1)	
COBALT	UG/L	T	11	UG/L	ND (2.1)	ND (2.1)		ND (2.1)	2.1 J	ND (2.1)		ND (2.1)	ND (2.3)	2.6 J	
COPPER	UG/L	T	1300	UG/L	2.7 B	3 B		2.7 J	ND (2.2)	ND (2.2)		ND (2.7)	ND (2.7)	3.3 J	
FERROUS IRON	UG/L	T			7500 J	6000 J		8100 J	15300 J	12800 J				6200 J	
IRON	UG/L	D	26000	UG/L	2320	7400 J		10700	13100	13900		10600	11800	2850	
IRON	UG/L	T	26000	UG/L	8510	9010 J		14800	15000	16700		10800	12200	12700	
LEAD	UG/L	D	15	UG/L	ND (0.047)	0.12 B		ND (0.047)	ND (0.047)	0.066 B		ND (0.05)	ND (0.052)	0.043 B	
LEAD	UG/L	T	15	UG/L	0.61 J	0.84 J		1.1	0.34 B	ND (0.047)		0.16 J	0.079 B	0.61 J	
MAGNESIUM	UG/L	D			8200	6310		6400	3960	3920				5440	
MAGNESIUM	UG/L	T			8800	6170		6500	4130	4390				5620	
MANGANESE	UG/L	D	880	UG/L	37.5	73.2		71.8	148	134		156	119	91.8	
MANGANESE	UG/L	T	880	UG/L	48.2	68.5		76.1	157	155		156	121	112	
MERCURY	UG/L	D	2	UG/L	ND (0.056)	ND (0.056)		ND (0.056)	ND (0.056)	ND (0.056)				ND (0.056)	
MERCURY	UG/L	T	2	UG/L	ND (0.056)	0.056 J		ND (0.056)	0.083 J	ND (0.056)				ND (0.056)	
NICKEL	UG/L	D	730	UG/L	6.5 J	ND (5.6)		8.4 J	ND (5.6)	ND (5.6)		2 J	ND (3)	ND (5.6)	
NICKEL	UG/L	T	730	UG/L	17.9	8.4 J		14.1	ND (5.6)	ND (5.6)		2.6 J	ND (3)	7 J	
POTASSIUM	UG/L	D			3160	1840		1840	1080	980				3810	
POTASSIUM	UG/L	T			2710	1790		1790	1120	1170				3470	
SODIUM	UG/L	D			26700	16300		13700	7760	7310				14900	
SODIUM	UG/L	T			24500	16100		13900	7960	8290				14600	
TITANIUM	UG/L	D			ND (2.8)	ND (2.8)		ND (2.8)	ND (2.8)	ND (2.8)				ND (2.8)	

FED\_MCL  
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**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-14D	MW-15D	MW-15D	MW-15D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-17D
				Date	8/22/07	5/18/07	8/21/07	8/21/07	5/17/07	8/21/07	5/25/10	5/25/10	8/19/10	5/23/07
				Top (ft)	0	0	0	0	0	0	0	0	0	0
				Bottom (ft)	0	0	0	0	0	0	0	0	0	0
				Duplicate	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
TITANIUM	UG/L	T			16.1	60.9		22.7	10.2	ND (2.8)				98
VANADIUM	UG/L	D			ND (1.5)	ND (1.5)		ND (1.5)	ND (1.5)	ND (1.5)				ND (1.5)
VANADIUM	UG/L	T			3.3 J	9.6		7	3.9 J	ND (1.5)				17.3
ZINC	UG/L	D	11000	UG/L	11 J	15.1 B		9.5 J	9.9 J	ND (8.1)		9.9 J	ND (8.1)	ND (8.1)
ZINC	UG/L	T	11000	UG/L	24.3	15.5 B		12 J	12.3 J	ND (8.1)		13.4 J	ND (8.1)	8.8 J
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			117000	57500		66200	78500	86200				87700
AMMONIA	UG/L	T			ND (200)	ND (200)		220 J	ND (200)	ND (200)				390 J
CHLORIDE	UG/L	T			44800	25600		28200	11600	11300				25200 J
FERRIC IRON	UG/L	T			1000 J	3000		6700	ND (400)	3900				6500
NITRITE	UG/L	T	1000	UG/L	ND (15) UJ	ND (15)		ND (15) UJ	ND (15)	ND (15) UJ				ND (15)
SILICA	UG/L	T			35900 J	42200		38300	26800	26700				18900 J
SULFATE	UG/L	T			7400	ND (5000)		ND (10000)	ND (10000)	ND (5000)				ND (5000)
SULFIDE	UG/L	T			65 J	ND (54)		ND (54)	ND (54)	ND (54)				170
TOTAL ORGANIC CARBON	UG/L	T			ND (1000)	1100 J		2300	1400 J	1100 J				4100
TOTAL SUSPENDED SOLIDS	UG/L	T			34800	48000		36400	30400	5600 J		10400 J	6400 J	63600
COLOR QUALITATIVE (FIELD)	NS	T			clr	Clear	cloudy		Clear	clr		NS	NS	Clear
DISSOLVED OXYGEN (FIELD)	UG/L	T			430	590	500		570	300		130	0	1020
ODOR (FIELD)	NS	T			no	No	no		No	no		NS	NS	No
OVABZONE	PPM	T				NR			NR			NS	NS	NR
OVACASING	PPM	T				NR			NR			NS	NS	NR
TOTAL WELL DEPTH	Feet	T										NS	NS	NR
TURBIDITY QUANTITATIVE (FIELD)	NTU	T												
HPCDFS	UG/L	T			ND (0.00000077) U	0.00000209 J	0.00000139 J		ND (0.00000111) U	0.000000689 U*				ND (0.000000897) U

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**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17D	MW-17D	MW-17D	MW-17D
				Date	8/23/07	5/25/10	5/25/10	8/17/10
				Top (ft)	0	0	0	0
				Bottom (ft)	0	0	0	0
				Duplicate	FS	FS	FS	FS
ACETONE	UG/L	T	22000	UG/L	ND (6)			
BENZENE	UG/L	T	5	UG/L	ND (0.5)			
CARBON DISULFIDE	UG/L	T	1000	UG/L	3 J			
METHYL ETHYL KETONE	UG/L	T	7100	UG/L	ND (3)			
TETRACHLOROETHYLENE	UG/L	T	5	UG/L	ND (0.8)			
TOLUENE	UG/L	T	1000	UG/L	ND (0.7)			
TRICHLOROETHENE	UG/L	T	5	UG/L	ND (1)			
2,4-DINITROTOLUENE	UG/L	T	0.22	UG/L	^ND (1)			
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	T	6	UG/L	ND (2)			
DI-N-BUTYL PHTHALATE	UG/L	T	3700	UG/L	3 J			
1,2,3,4,6,7,8-HPCDD	UG/L	T			ND (0.00000763) U	ND (0.000003604414)		ND (0.00000566)
1,2,3,4,6,7,8-HPCDF	UG/L	T			ND (0.00000242) U	ND (0.000001921512)		ND (0.00000486)
HPCDDS	UG/L	T			0.00000686 U*			
HXCDDS	UG/L	T			ND (0.00000849) U			
HXCDFS	UG/L	T			ND (0.00000393) U			
OCDD	UG/L	T			ND (0.00000213) U	ND (0.000009185368)		0.00000225 J
OCDF	UG/L	T			ND (0.00000208) U	ND (0.000004319022)		0.00000189 J
TCDDS	UG/L	T			0.00000732 J	ND (0.000001242656)		0.00000113 EMPC
TOTAL HXCDD	UG/L	T				ND (0.000001631393)		0.00000881 B
TOTAL PCDFs	UG/L	T			ND (0.00000895) U			
PCB 1	UG/L	T			ND (0.00000112) U	ND (0.00000392)		0.00000201 J
PCB 102	UG/L	T			ND (0.00000153) U	ND (0.0000074)		ND (0.00000205)
PCB 105	UG/L	T	0.017	UG/L	0.00000212 U*	ND (0.00000595)		ND (0.00000183)
PCB 109	UG/L	T			ND (0.00000128) U	ND (0.00000449)		ND (0.00000145)
PCB 11	UG/L	T			0.00000121 U*	0.0000026 B		0.00000203 J
PCB 110	UG/L	T			0.00000909 U*	ND (0.00000461)		0.00000306 J
PCB 118	UG/L	T	0.017	UG/L	0.00000411 U*	ND (0.00000541)		0.00000379 J
PCB 130	UG/L	T			ND (0.00000119) U	ND (0.00000637)		ND (0.00000219)
PCB 134	UG/L	T			ND (0.00000121) U	ND (0.00000699)		ND (0.00000229)
PCB 136	UG/L	T			0.00000175 J	ND (0.00000379)		ND (0.00000163)
PCB 137	UG/L	T			ND (0.00000813) U	ND (0.00000681)		ND (0.0000021)
PCB 141	UG/L	T			ND (0.00000093) U	ND (0.00000514)		ND (0.00000173)
PCB 144	UG/L	T			ND (0.00000101) U	ND (0.00000537)		ND (0.00000176)
PCB 146	UG/L	T			ND (0.00000098) U	ND (0.00000484)		ND (0.00000156)
PCB 15	UG/L	T			ND (0.00000177) U	ND (0.00000213)		0.0000031 J
PCB 158	UG/L	T			ND (0.00000765) U	ND (0.00000394)		ND (0.00000138)
PCB 16	UG/L	T			ND (0.00000295) U	ND (0.00000666)		ND (0.00000189)
PCB 167	UG/L	T	0.017	UG/L	ND (0.00000947) U	ND (0.0000048)		ND (0.00000178)
PCB 17	UG/L	T			ND (0.00000212) U	ND (0.00000554)		ND (0.00000156)
PCB 170	UG/L	T			ND (0.00000253) U	ND (0.00000504)		ND (0.00000241)
PCB 172	UG/L	T			ND (0.00000218) U	ND (0.00000532)		ND (0.00000214)
PCB 174	UG/L	T			ND (0.00000235) U	ND (0.00000478)		ND (0.00000202)
PCB 176	UG/L	T			ND (0.00000592) U	ND (0.00000494)		ND (0.00000154)
PCB 177	UG/L	T			ND (0.00000248) U	ND (0.00000513)		ND (0.0000022)
PCB 178	UG/L	T			ND (0.00000889) U	ND (0.00000567)		ND (0.00000183)
PCB 179	UG/L	T			ND (0.00000737) U	ND (0.0000045)		ND (0.00000136)
PCB 183	UG/L	T			ND (0.00000189) U	ND (0.00000451)		ND (0.00000183)
PCB 187	UG/L	T			ND (0.00000218) U	ND (0.00000445)		ND (0.00000193)
PCB 19	UG/L	T			ND (0.00000245) U	ND (0.00000695)		ND (0.00000185)
PCB 190	UG/L	T			ND (0.00000215) U	ND (0.00000377)		ND (0.00000196)
PCB 194	UG/L	T			ND (0.00000155) U	ND (0.00000454)		ND (0.00000274)
PCB 195	UG/L	T			ND (0.00000158) U	ND (0.0000049)		ND (0.00000279)
PCB 196	UG/L	T			ND (0.00000185) U	ND (0.0000049)		ND (0.00000173)

FED\_MCL  
 < and ND = Non detect at stated reporting limit

**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17D	MW-17D	MW-17D	MW-17D
				Date	8/23/07	5/25/10	5/25/10	8/17/10
				Top (ft)	0	0	0	0
				Bottom (ft)	0	0	0	0
				Duplicate	FS	FS	FS	FS
PCB 2	UG/L	T			ND (0.0000142) U	ND (0.00000351)		ND (0.00000855)
PCB 200	UG/L	T			ND (0.0000149) U	ND (0.00000455)		ND (0.0000149)
PCB 201	UG/L	T			ND (0.0000149) U	ND (0.00000421)		ND (0.0000137)
PCB 202	UG/L	T			ND (0.0000151) U	ND (0.000005)		ND (0.0000153)
PCB 203	UG/L	T			ND (0.0000195) U	ND (0.00000472)		ND (0.0000165)
PCB 206	UG/L	T			ND (0.0000281) U	ND (0.0000156)		ND (0.0000342)
PCB 208	UG/L	T			ND (0.0000197) U	ND (0.0000141)		ND (0.0000262)
PCB 209	UG/L	T			ND (0.0000091) U	ND (0.00000528)		ND (0.0000268)
PCB 22	UG/L	T			ND (0.0000278) U	ND (0.00000592)		ND (0.0000101)
PCB 25	UG/L	T			ND (0.0000247) U	ND (0.00000539)		ND (0.0000091)
PCB 27	UG/L	T			ND (0.0000182) U	ND (0.0000044)		ND (0.0000131)
PCB 3	UG/L	T			ND (0.0000136) U	ND (0.00000422)		0.00000213 J
PCB 31	UG/L	T			ND (0.0000229) U	0.00000686 B		0.00000357 J
PCB 32	UG/L	T			ND (0.0000148) U	ND (0.00000391)		0.0000026 J
PCB 35	UG/L	T			ND (0.0000311) U	ND (0.00000661)		ND (0.0000123)
PCB 37	UG/L	T			ND (0.0000305) U	ND (0.00000721)		ND (0.0000013)
PCB 4	UG/L	T			ND (0.0000306) U	ND (0.0000301)		ND (0.00000778)
PCB 41	UG/L	T			ND (0.00000978) U	ND (0.00000669)		ND (0.0000173)
PCB 42	UG/L	T			ND (0.0000107) U	ND (0.00000622)		ND (0.0000018)
PCB 45	UG/L	T			ND (0.00000825) U	ND (0.00000533)		ND (0.0000178)
PCB 46	UG/L	T			ND (0.00000949) U	ND (0.00000629)		ND (0.0000181)
PCB 48	UG/L	T			ND (0.00000829) U	ND (0.0000052)		ND (0.0000153)
PCB 51	UG/L	T			ND (0.0000091) U	ND (0.00000606)		ND (0.0000159)
PCB 52	UG/L	T			0.00000887 U*	0.00000924 J		0.00000454 J
PCB 56	UG/L	T			ND (0.0000102) U	ND (0.00000514)		ND (0.00000854)
PCB 6	UG/L	T			ND (0.0000171) U	ND (0.0000175)		ND (0.0000039)
PCB 60	UG/L	T			ND (0.00000889) U	ND (0.00000522)		ND (0.00000833)
PCB 64	UG/L	T			0.00000087 U*	ND (0.0000044)		ND (0.0000132)
PCB 66	UG/L	T			0.0000177 U*	ND (0.00000516)		0.00000202 J
PCB 68	UG/L	T			ND (0.00000905) U	ND (0.00000573)		ND (0.00000918)
PCB 7	UG/L	T			ND (0.0000152) U	ND (0.0000174)		ND (0.00000378)
PCB 77	UG/L	T	0.0052	UG/L	ND (0.0000116) U	ND (0.000007)		ND (0.0000111)
PCB 8	UG/L	T			0.00000273 J	ND (0.0000174)		0.00000468 J
PCB 82	UG/L	T			ND (0.0000242) U	ND (0.00000795)		ND (0.00000227)
PCB 83	UG/L	T			ND (0.0000209) U	ND (0.00000795)		ND (0.00000236)
PCB 9	UG/L	T			ND (0.0000017) U	ND (0.0000175)		ND (0.00000389)
PCB 92	UG/L	T			0.00000238 J	ND (0.00000736)		ND (0.00000205)
PCB 95	UG/L	T			0.00000815 U*	ND (0.00000628)		0.00000267 J
PCB 99	UG/L	T			0.00000454 U*	ND (0.00000561)		ND (0.00000155)
PCB-107/124	UG/L	T			ND (0.0000158) U	ND (0.00000539)		ND (0.0000159)
PCB-108/119/86/97/125/87	UG/L	T			0.00000701 U*	ND (0.00000634)		ND (0.0000181)
PCB-113/90/101	UG/L	T			0.0000117 U*	ND (0.00000635)		0.0000053 J
PCB-116/85	UG/L	T			ND (0.0000171) U	ND (0.00000725)		ND (0.00000209)
PCB-128/166	UG/L	T			ND (0.0000102) U	ND (0.00000472)		ND (0.00000172)
PCB-147/149	UG/L	T			0.00000568 U*	ND (0.0000049)		ND (0.0000016)
PCB-153/168	UG/L	T			0.00000454 U*	ND (0.00000443)		0.0000027 J
PCB-156/157	UG/L	T			ND (0.0000126) U	ND (0.00000604)		ND (0.00000235)
PCB-163/138/129	UG/L	T			0.00000477 U*	ND (0.00000531)		0.00000278 J
PCB-171/173	UG/L	T			ND (0.0000233) U	ND (0.00000533)		ND (0.00000224)
PCB-180/193	UG/L	T			ND (0.0000185) U	ND (0.00000423)		ND (0.00000177)
PCB-198/199	UG/L	T			ND (0.00000223) U	ND (0.00000534)		ND (0.00000186)
PCB-21/33	UG/L	T			ND (0.00000241) U	ND (0.00000684)		0.00000282 J
PCB-26/29	UG/L	T			ND (0.00000256) U	ND (0.00000585)		ND (0.00000103)

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**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17D	MW-17D	MW-17D	MW-17D
				Date	8/23/07	5/25/10	5/25/10	8/17/10
				Top (ft)	0	0	0	0
				Bottom (ft)	0	0	0	0
				Duplicate	FS	FS	FS	FS
PCB-28/20	UG/L	T		ND (0.00000275) U	0.00000906 B		0.00000626 J	
PCB-30/18	UG/L	T		0.00000307 U*	ND (0.00000494)		ND (0.00000142)	
PCB-44/47/65	UG/L	T		0.00000405 J	ND (0.00000538)		0.0000042 J	
PCB-50/53	UG/L	T		ND (0.00000807) U	ND (0.00000567)		ND (0.00000165)	
PCB-59/62/75	UG/L	T		ND (0.00000641) U	ND (0.00000451)		ND (0.00000135)	
PCB-61/70/74/76	UG/L	T		0.00000581 U*	ND (0.00000511)		0.00000535 J	
PCB-69/49	UG/L	T		0.00000237 J	ND (0.00000503)		ND (0.00000146)	
PCB-71/40	UG/L	T		0.00000151 J	ND (0.00000511)		ND (0.00000159)	
TOTAL DICHLOROBIPHENYLS (CONGENERS)	UG/L	T		0.0000148 J	0.000026 B		0.0000281	
TOTAL HEPTACHLOROBIPHENYLS (CONGENERS)	UG/L	T		ND (0.00000151) U	ND (0.00000494)		ND (0.00000187)	
TOTAL HEXACHLOROBIPHENYLS (CONGENERS)	UG/L	T		0.000022 J	ND (0.00000499)		0.00000547 EMPC	
TOTAL MONOCHLOROBIPHENYLS (CONGENERS)	UG/L	T		ND (0.00000124) U	ND (0.00000407)		0.00000414 EMPC	
TOTAL NONACHLOROBIPHENYLS (CONGENERS)	UG/L	T		ND (0.00000239) U	ND (0.0000148)		ND (0.00000302)	
TOTAL OCTACHLOROBIPHENYLS (CONGENERS)	UG/L	T		ND (0.00000138) U	ND (0.0000047)		ND (0.00000205)	
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	UG/L	T		0.0000526 J	ND (0.00000534)		0.0000148	
TOTAL TETRACHLOROBIPHENYLS (CONGENERS)	UG/L	T		0.0000252 J	0.00000924		0.0000161	
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	UG/L	T		0.00000307 U*	0.0000159 B		0.0000153	
ALUMINUM	UG/L	D	37000	UG/L	ND (80.2)	ND (80.2)	ND (83.4)	
ALUMINUM	UG/L	T	37000	UG/L	246	960	370	
ANTIMONY	UG/L	D	6	UG/L	ND (9.7)			
ARSENIC	UG/L	D	10	UG/L	ND (0.7)			
ARSENIC	UG/L	T	10	UG/L	ND (0.7)			
BARIUM	UG/L	D	2000	UG/L	73.8	83.9	90.7	
BARIUM	UG/L	T	2000	UG/L	76.8	87	94.2	
BERYLLIUM	UG/L	D	4	UG/L	ND (0.9)	ND (1.4)	ND (1.4)	
BERYLLIUM	UG/L	T	4	UG/L	ND (0.9)	ND (1.4)	ND (1.4)	
CADMIUM	UG/L	D	5	UG/L	ND (0.9)	ND (2)	ND (2)	
CADMIUM	UG/L	T	5	UG/L	ND (0.9)	ND (2)	ND (2)	
CALCIUM	UG/L	D			27600			
CALCIUM	UG/L	T			29100			
CHROMIUM	UG/L	D	100	UG/L	ND (2.3)			
CHROMIUM	UG/L	T	100	UG/L	4.5 J			
COBALT	UG/L	D	11	UG/L	ND (2.1)	ND (2.1)	ND (2.3)	
COBALT	UG/L	T	11	UG/L	ND (2.1)	ND (2.1)	ND (2.3)	
COPPER	UG/L	T	1300	UG/L	ND (2.2)	ND (2.7)	ND (2.7)	
FERROUS IRON	UG/L	T			7600 J			
IRON	UG/L	D	26000	UG/L	5130	5550	6040	
IRON	UG/L	T	26000	UG/L	7340	7180	6850	
LEAD	UG/L	D	15	UG/L	0.075 B	ND (0.05)	ND (0.052)	
LEAD	UG/L	T	15	UG/L	0.57 J	0.49 J	0.18 J	
MAGNESIUM	UG/L	D			5570			
MAGNESIUM	UG/L	T			5690			
MANGANESE	UG/L	D	880	UG/L	101	89.8	91.7	
MANGANESE	UG/L	T	880	UG/L	116	91	87.7	
MERCURY	UG/L	D	2	UG/L	ND (0.056) UJ			
MERCURY	UG/L	T	2	UG/L	ND (0.056)			
NICKEL	UG/L	D	730	UG/L	ND (5.6)	ND (1.8)	ND (3)	
NICKEL	UG/L	T	730	UG/L	ND (5.6)	ND (1.8)	ND (3)	
POTASSIUM	UG/L	D			2700			
POTASSIUM	UG/L	T			2990			
SODIUM	UG/L	D			13500			
SODIUM	UG/L	T			14000			
TITANIUM	UG/L	D			ND (2.8)			

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**Table B-14**  
**Summary of Analytical Results - IDW**  
 Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	Location	MW-17D	MW-17D	MW-17D	MW-17D
				Date	8/23/07	5/25/10	5/25/10	8/17/10
				Top (ft)	0	0	0	0
				Bottom (ft)	0	0	0	0
				Duplicate	FS	FS	FS	FS
TITANIUM	UG/L	T			9.6 J			
VANADIUM	UG/L	D			ND (1.5)			
VANADIUM	UG/L	T			2.7 J			
ZINC	UG/L	D	11000	UG/L	ND (8.1)		ND (8.1)	ND (8.1)
ZINC	UG/L	T	11000	UG/L	8.3 J		8.4 J	ND (8.1)
ALKALINITY, BICARB. AS CaCO3 AT PH 4.5	UG/L	T			94200			
AMMONIA	UG/L	T			350 J			
CHLORIDE	UG/L	T			25300			
FERRIC IRON	UG/L	T			ND (200)			
NITRITE	UG/L	T	1000	UG/L	ND (15) UJ			
SILICA	UG/L	T			17700 J			
SULFATE	UG/L	T			ND (2500)			
SULFIDE	UG/L	T			260			
TOTAL ORGANIC CARBON	UG/L	T			9500			
TOTAL SUSPENDED SOLIDS	UG/L	T			42800		26000	18000
COLOR QUALITATIVE (FIELD)	NS	T			gray		NS	NS
DISSOLVED OXYGEN (FIELD)	UG/L	T			150		70	20
ODOR (FIELD)	NS	T			yes		NS	NS
OVABZONE	PPM	T					NS	NS
OVACASING	PPM	T					NS	NS
TOTAL WELL DEPTH	Feet	T			NR		NS	NS
TURBIDITY QUANTITATIVE (FIELD)	NTU	T						
HPCDFS	UG/L	T			ND (0.000000312) U			

FED\_MCL  
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**General UCL Statistics for Data Sets with Non-Detects**

**User Selected Options**

From File C:\Documents and Settings\78495\My Documents\DuPont Edge Moor\HHRA\Appendix B\SWMU1&3ready.xls.v  
Full Precision OFF  
Confidence Coefficient 95%  
Number of Bootstrap Operations 2000

**BENZO(A)ANTHRACENE**

**General Statistics**

Number of Valid Data	12	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	6
		Percent Non-Detects	50.00%

**Raw Statistics**

Minimum Detected	0.042
Maximum Detected	12
Mean of Detected	2.158
SD of Detected	4.825
Minimum Non-Detect	0.037
Maximum Non-Detect	0.041

**Log-transformed Statistics**

Minimum Detected	-3.17
Maximum Detected	2.485
Mean of Detected	-1.318
SD of Detected	2.055
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended

For all methods (except KM, DL/2, and ROS Methods),

Observations < Largest ND are treated as NDs

Number treated as Non-Detect 6

Number treated as Detected 6

Single DL Non-Detect Percentage 50.00%

**Warning: There are only 6 Detected Values in this data**

**Note: It should be noted that even though bootstrap may be performed on this data set the resulting calculations may not be reliable enough to draw conclusions**

**It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.**

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.527
5% Shapiro Wilk Critical Value	0.788

**Data not Normal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	1.089
SD	3.44
95% DL/2 (t) UCL	2.872

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.842
5% Shapiro Wilk Critical Value	0.788

**Data appear Lognormal at 5% Significance Level**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.637
SD	1.953
95% H-Stat (DL/2) UCL	8.449
Log ROS Method	
Mean in Log Scale	-4.269
SD in Log Scale	3.445
Mean in Original Scale	1.08
SD in Original Scale	3.443
95% t UCL	2.864
95% Percentile Bootstrap UCL	3.044
95% BCA Bootstrap UCL	4.086
95% H-UCL	26353

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.274
Theta Star	7.874
nu star	3.289

A-D Test Statistic	0.938
5% A-D Critical Value	0.763
K-S Test Statistic	0.763
5% K-S Critical Value	0.356

**Data follow Appr. Gamma Distribution at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data	
Minimum	0.000001
Maximum	12
Mean	1.079
Median	0.021
SD	3.443
k star	0.135
Theta star	8.01
Nu star	3.233
AppChi2	0.445
95% Gamma Approximate UCL (Use when n >= 40)	7.845
95% Adjusted Gamma UCL (Use when n < 40)	10.84

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data Follow Appr. Gamma Distribution at 5% Significance Level**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	1.1
SD	3.29
SE of Mean	1.04
95% KM (t) UCL	2.968
95% KM (z) UCL	2.811
95% KM (jackknife) UCL	2.867
95% KM (bootstrap t) UCL	102.3
95% KM (BCA) UCL	3.145
95% KM (Percentile Bootstrap) UCL	3.089
95% KM (Chebyshev) UCL	5.634
97.5% KM (Chebyshev) UCL	7.596
99% KM (Chebyshev) UCL	11.45

**Potential UCLs to Use**

95% KM (t) UCL	2.968
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

**These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).**

**For additional insight, the user may want to consult a statistician.**

**BENZO(B)FLUORANTHENE**

<b>General Statistics</b>			
Number of Valid Data	12	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	4
		Percent Non-Detects	33.33%

<b>Raw Statistics</b>		<b>Log-transformed Statistics</b>	
Minimum Detected	0.051	Minimum Detected	-2.976
Maximum Detected	11	Maximum Detected	2.398
Mean of Detected	1.534	Mean of Detected	-1.571
SD of Detected	3.831	SD of Detected	1.792
Minimum Non-Detect	0.037	Minimum Non-Detect	-3.297
Maximum Non-Detect	0.039	Maximum Non-Detect	-3.244

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	4
Number treated as Detected	8
Single DL Non-Detect Percentage	33.33%

**Warning: There are only 8 Detected Values in this data**  
**Note: It should be noted that even though bootstrap may be performed on this data set**  
**the resulting calculations may not be reliable enough to draw conclusions**

**It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.**

<b>Normal Distribution Test with Detected Values Only</b>		<b>UCL Statistics</b>		<b>Lognormal Distribution Test with Detected Values Only</b>	
Shapiro Wilk Test Statistic	0.456			Shapiro Wilk Test Statistic	0.747
5% Shapiro Wilk Critical Value	0.818			5% Shapiro Wilk Critical Value	0.818
<b>Data not Normal at 5% Significance Level</b>				<b>Data not Lognormal at 5% Significance Level</b>	

<b>Assuming Normal Distribution</b>		<b>Assuming Lognormal Distribution</b>	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	1.029	Mean	-2.371
SD	3.146	SD	1.854
95% DL/2 (t) UCL	2.66	95% H-Stat (DL/2) UCL	7.002
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
<b>MLE yields a negative mean</b>		Mean in Log Scale	-2.966
		SD in Log Scale	2.523
		Mean in Original Scale	1.024
		SD in Original Scale	3.148
		95% t UCL	2.656
		95% Percentile Bootstrap UCL	2.803
		95% BCA Bootstrap UCL	3.767
		95% H-UCL	130.4

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.295
Theta Star	5.203
nu star	4.717

A-D Test Statistic	1.525
5% A-D Critical Value	0.791
K-S Test Statistic	0.791
5% K-S Critical Value	0.315

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	11
Mean	1.023
Median	0.0755
SD	3.148
k star	0.158
Theta star	6.454
Nu star	3.803
AppChi2	0.645

95% Gamma Approximate UCL (Use when n >= 40)	6.026
95% Adjusted Gamma UCL (Use when n < 40)	8.117

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data do not follow a Discernable Distribution (0.05)**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	1.04
SD	3.009
SE of Mean	0.928
95% KM (t) UCL	2.707
95% KM (z) UCL	2.567
95% KM (jackknife) UCL	2.665
95% KM (bootstrap t) UCL	107.8
95% KM (BCA) UCL	2.857
95% KM (Percentile Bootstrap) UCL	2.817
95% KM (Chebyshev) UCL	5.087
97.5% KM (Chebyshev) UCL	6.838
99% KM (Chebyshev) UCL	10.28

**Potential UCLs to Use**

99% KM (Chebyshev) UCL	10.28
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**



**BENZO[A]PYRENE**

<b>General Statistics</b>			
Number of Valid Data	12	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	6
		Percent Non-Detects	50.00%

<b>Raw Statistics</b>		<b>Log-transformed Statistics</b>	
Minimum Detected	0.037	Minimum Detected	-3.297
Maximum Detected	9.1	Maximum Detected	2.208
Mean of Detected	1.667	Mean of Detected	-1.465
SD of Detected	3.647	SD of Detected	2.017
Minimum Non-Detect	0.037	Minimum Non-Detect	-3.297
Maximum Non-Detect	0.041	Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	7
Number treated as Detected	5
Single DL Non-Detect Percentage	58.33%

**Warning: There are only 6 Detected Values in this data**  
**Note: It should be noted that even though bootstrap may be performed on this data set**  
**the resulting calculations may not be reliable enough to draw conclusions**

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

<b>Normal Distribution Test with Detected Values Only</b>		<b>UCL Statistics</b>		<b>Lognormal Distribution Test with Detected Values Only</b>	
Shapiro Wilk Test Statistic	0.536			Shapiro Wilk Test Statistic	0.829
5% Shapiro Wilk Critical Value	0.788			5% Shapiro Wilk Critical Value	0.788
<b>Data not Normal at 5% Significance Level</b>				<b>Data appear Lognormal at 5% Significance Level</b>	

<b>Assuming Normal Distribution</b>		<b>Assuming Lognormal Distribution</b>	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.843	Mean	-2.71
SD	2.605	SD	1.882
95% DL/2 (t) UCL	2.194	95% H-Stat (DL/2) UCL	5.636
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
<b>MLE yields a negative mean</b>		Mean in Log Scale	-3.875
		SD in Log Scale	2.942
		Mean in Original Scale	0.835
		SD in Original Scale	2.608
		95% t UCL	2.187
		95% Percentile Bootstrap UCL	2.307
		95% BCA Bootstrap UCL	3.109
		95% H-UCL	822.1

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.282
Theta Star	5.914
nu star	3.383

A-D Test Statistic	0.934
5% A-D Critical Value	0.76
K-S Test Statistic	0.76
5% K-S Critical Value	0.355

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	9.1
Mean	0.834
Median	0.0185
SD	2.608
k star	0.136
Theta star	6.11
Nu star	3.275
AppChi2	0.458

95% Gamma Approximate UCL (Use when n >= 40)	5.957
95% Adjusted Gamma UCL (Use when n < 40)	8.219

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data appear Lognormal at 5% Significance Level**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.852
SD	2.491
SE of Mean	0.788
95% KM (t) UCL	2.267
95% KM (z) UCL	2.148
95% KM (jackknife) UCL	2.184
95% KM (bootstrap t) UCL	80.95
95% KM (BCA) UCL	2.359
95% KM (Percentile Bootstrap) UCL	2.341
95% KM (Chebyshev) UCL	4.286
97.5% KM (Chebyshev) UCL	5.772
99% KM (Chebyshev) UCL	8.691

**Potential UCLs to Use**

99% KM (Chebyshev) UCL	8.691
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

DIBENZ(A,H)ANTHRACENE

General Statistics			
Number of Valid Data	12	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	10
		Percent Non-Detects	83.33%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.13	Minimum Detected	-2.04
Maximum Detected	1.5	Maximum Detected	0.405
Mean of Detected	0.815	Mean of Detected	-0.817
SD of Detected	0.969	SD of Detected	1.729
Minimum Non-Detect	0.036	Minimum Non-Detect	-3.324
Maximum Non-Detect	0.041	Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
For all methods (except KM, DL/2, and ROS Methods),  
Observations < Largest ND are treated as NDs

Number treated as Non-Detect 10  
Number treated as Detected 2  
Single DL Non-Detect Percentage 83.33%

**Warning: Data set has only 2 Distinct Detected Values.**  
**This may not be adequate enough to compute meaningful and reliable test statistics and estimates.**  
**The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).**

**Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.**

**The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.**  
**Those methods will return a 'N/A' value on your output display!**

**It is necessary to have 4 or more Distinct Values for bootstrap methods.**  
**However, results obtained using 4 to 9 distinct values may not be reliable.**  
**It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.**

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic N/A

5% Shapiro Wilk Critical Value N/A

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic N/A

5% Shapiro Wilk Critical Value N/A

**Data not Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method

Mean 0.152

SD 0.426

95% DL/2 (t) UCL 0.372

Maximum Likelihood Estimate(MLE) Method N/A

**MLE method failed to converge properly**

**Assuming Lognormal Distribution**

DL/2 Substitution Method

Mean -3.444

SD 1.333

95% H-Stat (DL/2) UCL 0.324

Log ROS Method

Mean in Log Scale N/A

SD in Log Scale N/A

Mean in Original Scale N/A

SD in Original Scale N/A

95% t UCL N/A

95% Percentile Bootstrap UCL N/A

95% BCA Bootstrap UCL N/A

95% H-UCL N/A

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected) N/A

Theta Star N/A

nu star N/A

A-D Test Statistic N/A

5% A-D Critical Value N/A

K-S Test Statistic N/A

5% K-S Critical Value N/A

**Data not Gamma Distributed at 5% Significance Level**

**Data Distribution Test with Detected Values Only**

**Data do not follow a Discernable Distribution (0.05)**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum N/A

Maximum N/A

Mean N/A

Median N/A

SD N/A

k star N/A

Theta star N/A

Nu star N/A

AppChi2 N/A

95% Gamma Approximate UCL (Use when n >= 40) N/A

95% Adjusted Gamma UCL (Use when n < 40) N/A

**Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean 0.244

SD 0.379

SE of Mean 0.155

95% KM (t) UCL 0.522

95% KM (z) UCL 0.498

95% KM (jackknife) UCL 1.181

95% KM (bootstrap t) UCL 0.244

95% KM (BCA) UCL 1.5

95% KM (Percentile Bootstrap) UCL 1.5

95% KM (Chebyshev) UCL 0.918

97.5% KM (Chebyshev) UCL 1.21

99% KM (Chebyshev) UCL 1.782

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL 1.21

**Note: DL/2 is not a recommended method.**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

INDENO (1,2,3-CD) PYRENE

General Statistics			
	Number of Valid Data	12	
	Number of Distinct Detected Data	4	
			Number of Detected Data 5
			Number of Non-Detect Data 7
			Percent Non-Detects 58.33%

Raw Statistics			Log-transformed Statistics
Minimum Detected	0.045		Minimum Detected -3.101
Maximum Detected	4.5		Maximum Detected 1.504
Mean of Detected	0.999		Mean of Detected -1.76
SD of Detected	1.962		SD of Detected 2.033
Minimum Non-Detect	0.037		Minimum Non-Detect -3.297
Maximum Non-Detect	0.041		Maximum Non-Detect -3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	7
Number treated as Detected	5
Single DL Non-Detect Percentage	58.33%

**Warning: There are only 4 Distinct Detected Values in this data**  
**Note: It should be noted that even though bootstrap may be performed on this data set**  
**the resulting calculations may not be reliable enough to draw conclusions**

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

UCL Statistics			
<b>Normal Distribution Test with Detected Values Only</b>		<b>Lognormal Distribution Test with Detected Values Only</b>	
Shapiro Wilk Test Statistic	0.599	Shapiro Wilk Test Statistic	0.767
5% Shapiro Wilk Critical Value	0.762	5% Shapiro Wilk Critical Value	0.762
<b>Data not Normal at 5% Significance Level</b>		<b>Data appear Lognormal at 5% Significance Level</b>	

Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.427	Mean	-3.043
SD	1.286	SD	1.67
95% DL/2 (t) UCL	1.094	95% H-Stat (DL/2) UCL	1.633
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
<b>MLE yields a negative mean</b>		Mean in Log Scale	-5.51
		SD in Log Scale	3.674
		Mean in Original Scale	0.417
		SD in Original Scale	1.29
		95% t UCL	1.085
		95% Percentile Bootstrap UCL	1.144
		95% BCA Bootstrap UCL	1.538
		95% H-UCL	54081

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.284
Theta Star	3.514
nu star	2.844

A-D Test Statistic	0.79
5% A-D Critical Value	0.728
K-S Test Statistic	0.728
5% K-S Critical Value	0.377

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	4.5
Mean	0.416
Median	0.000001
SD	1.29
k star	0.132
Theta star	3.147
Nu star	3.175
AppChi2	0.426

95% Gamma Approximate UCL (Use when n >= 40)	3.103
95% Adjusted Gamma UCL (Use when n < 40)	4.297

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.443
SD	1.226
SE of Mean	0.396
95% KM (t) UCL	1.153
95% KM (z) UCL	1.094
95% KM (jackknife) UCL	1.107
95% KM (bootstrap t) UCL	1.267
95% KM (BCA) UCL	1.159
95% KM (Percentile Bootstrap) UCL	1.185
95% KM (Chebyshev) UCL	2.168
97.5% KM (Chebyshev) UCL	2.915
99% KM (Chebyshev) UCL	4.381

**Potential UCLs to Use**

95% KM (t) UCL	1.153
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.

### General UCL Statistics for Data Sets with Non-Detects

#### User Selected Options

From File C:\Documents and Settings\p0096827\Desktop\My Documents\DuPont\Edgemoor\95\_UCL\_calc\Surf Soil\ProUC  
Full Precision OFF  
Confidence Coefficient 95%  
Number of Bootstrap Operations 2000

#### BENZO[A]PYRENE

General Statistics			
Number of Valid Data	14	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	12
		Percent Non-Detects	85.71%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.044	Minimum Detected	-3.124
Maximum Detected	0.57	Maximum Detected	-0.562
Mean of Detected	0.307	Mean of Detected	-1.843
SD of Detected	0.372	SD of Detected	1.811
Minimum Non-Detect	0.036	Minimum Non-Detect	-3.324
Maximum Non-Detect	0.041	Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended

For all methods (except KM, DL/2, and ROS Methods),

Observations < Largest ND are treated as NDs

Number treated as Non-Detect	12
Number treated as Detected	2
Single DL Non-Detect Percentage	85.71%

**Warning: Data set has only 2 Distinct Detected Values.**

**This may not be adequate enough to compute meaningful and reliable test statistics and estimates.**

**The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).**

**Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.**

**The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.**

**Those methods will return a 'N/A' value on your output display!**

**It is necessary to have 4 or more Distinct Values for bootstrap methods.**

**However, results obtained using 4 to 9 distinct values may not be reliable.**

**It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.**

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A

**Data not Normal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.0599
SD	0.147
95% DL/2 (t) UCL	0.129

Maximum Likelihood Estimate(MLE) Method      N/A  
**MLE method failed to converge properly**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A

**Data not Lognormal at 5% Significance Level**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-3.674
SD	0.925
95% H-Stat (DL/2) UCL	0.0772

Log ROS Method	
Mean in Log Scale	N/A
SD in Log Scale	N/A
Mean in Original Scale	N/A
SD in Original Scale	N/A
95% t UCL	N/A
95% Percentile Bootstrap UCL	N/A
95% BCA Bootstrap UCL	N/A
95% H-UCL	N/A

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	N/A
Theta Star	N/A
nu star	N/A

A-D Test Statistic	N/A
5% A-D Critical Value	N/A
K-S Test Statistic	N/A
5% K-S Critical Value	N/A

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	N/A
Maximum	N/A
Mean	N/A
Median	N/A
SD	N/A
k star	N/A
Theta star	N/A
Nu star	N/A
AppChi2	N/A
95% Gamma Approximate UCL (Use when n >= 40)	N/A
95% Adjusted Gamma UCL (Use when n < 40)	N/A

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data do not follow a Discernable Distribution (0.05)**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.0816
SD	0.135
SE of Mean	0.0512
95% KM (t) UCL	0.172
95% KM (z) UCL	0.166
95% KM (jackknife) UCL	0.437
95% KM (bootstrap t) UCL	N/A
95% KM (BCA) UCL	0.57
95% KM (Percentile Bootstrap) UCL	N/A
95% KM (Chebyshev) UCL	0.305
97.5% KM (Chebyshev) UCL	0.401
99% KM (Chebyshev) UCL	0.591

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL	0.401
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**



**General UCL Statistics for Data Sets with Non-Detects**

**User Selected Options**

From File C:\Documents and Settings\p0096827\Desktop\My Documents\DuPont\Edgemoor\95\_UCL\_calc\Surf Soil\ProUC  
 Full Precision OFF  
 Confidence Coefficient 95%  
 Number of Bootstrap Operations 2000

**BENZO(A)ANTHRACENE**

**General Statistics**

Number of Valid Data	16	Number of Detected Data	12
Number of Distinct Detected Data	12	Number of Non-Detect Data	4
Number of Missing Values	2	Percent Non-Detects	25.00%

**Raw Statistics**

Minimum Detected	0.058
Maximum Detected	2.1
Mean of Detected	0.416
SD of Detected	0.616
Minimum Non-Detect	0.037
Maximum Non-Detect	0.04

**Log-transformed Statistics**

Minimum Detected	-2.847
Maximum Detected	0.742
Mean of Detected	-1.577
SD of Detected	1.137
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.219

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	4
Number treated as Detected	12
Single DL Non-Detect Percentage	25.00%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.622
5% Shapiro Wilk Critical Value	0.859

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.892
5% Shapiro Wilk Critical Value	0.859

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.316
SD	0.557
95% DL/2 (t) UCL	0.56

**Maximum Likelihood Estimate(MLE) Method**

Mean	0.205
SD	0.653
95% MLE (t) UCL	0.492
95% MLE (Tiku) UCL	0.494

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.172
SD	1.443
95% H-Stat (DL/2) UCL	1.164

**Log ROS Method**

Mean in Log Scale	-2.25
SD in Log Scale	1.554
Mean in Original Scale	0.315
SD in Original Scale	0.557
95% t UCL	0.559
95% Percentile Bootstrap UCL	0.565
95% BCA Bootstrap UCL	0.651
95% H UCL	1.521

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.689
Theta Star	0.603
nu star	16.53

A-D Test Statistic	0.967
5% A-D Critical Value	0.762
K-S Test Statistic	0.762
5% K-S Critical Value	0.254

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	2.1
Mean	0.312
Median	0.0935
SD	0.559
k star	0.213
Theta star	1.466
Nu star	6.803
AppChi2	2.063

95% Gamma Approximate UCL (Use when  $n \geq 40$ ) 1.028

95% Adjusted Gamma UCL (Use when  $n < 40$ ) 1.191

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean	0.326
SD	0.534
SE of Mean	0.139
95% KM (t) UCL	0.57
95% KM (z) UCL	0.555
95% KM (jackknife) UCL	0.565
95% KM (bootstrap t) UCL	1.347
95% KM (BCA) UCL	0.605
95% KM (Percentile Bootstrap) UCL	0.588
95% KM (Chebyshev) UCL	0.934
97.5% KM (Chebyshev) UCL	1.197
99% KM (Chebyshev) UCL	1.713

**Potential UCLs to Use**

95% KM (Chebyshev) UCL 0.934

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

**BENZO(B)FLUORANTHENE**

**General Statistics**

Number of Valid Data	16	Number of Detected Data	12
Number of Distinct Detected Data	12	Number of Non-Detect Data	4
Number of Missing Values	2	Percent Non-Detects	25.00%

**Raw Statistics**

Minimum Detected	0.078
Maximum Detected	2.3
Mean of Detected	0.457
SD of Detected	0.671
Minimum Non-Detect	0.037
Maximum Non-Detect	0.04

**Log-transformed Statistics**

Minimum Detected	-2.551
Maximum Detected	0.833
Mean of Detected	-1.428
SD of Detected	1.068
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.219

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	4
Number treated as Detected	12
Single DL Non-Detect Percentage	25.00%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.613
5% Shapiro Wilk Critical Value	0.859

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.876
5% Shapiro Wilk Critical Value	0.859

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.348
SD	0.607
95% DL/2 (t) UCL	0.614

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.06
SD	1.455
95% H-Stat (DL/2) UCL	1.349

**Maximum Likelihood Estimate(MLE) Method**

Mean	0.226
SD	0.713
95% MLE (t) UCL	0.539
95% MLE (Tiku) UCL	0.542

**Log ROS Method**

Mean in Log Scale	-2.057
SD in Log Scale	1.455
Mean in Original Scale	0.348
SD in Original Scale	0.607
95% t UCL	0.614
95% Percentile Bootstrap UCL	0.605
95% BCA Bootstrap UCL	0.757
95% H UCL	1.355

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.734
Theta Star	0.623
nu star	17.62

A-D Test Statistic	1.085
5% A-D Critical Value	0.76
K-S Test Statistic	0.76
5% K-S Critical Value	0.253

**Data not Gamma Distributed at 5% Significance Level****Assuming Gamma Distribution**

## Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	2.3
Mean	0.343
Median	0.115
SD	0.61
k star	0.213
Theta star	1.609
Nu star	6.824
AppChi2	2.075

95% Gamma Approximate UCL (Use when  $n \geq 40$ ) 1.12895% Adjusted Gamma UCL (Use when  $n < 40$ ) 1.308**Note: DL/2 is not a recommended method.****Data Distribution Test with Detected Values Only****Data appear Lognormal at 5% Significance Level****Nonparametric Statistics**

## Kaplan-Meier (KM) Method

Mean	0.363
SD	0.58
SE of Mean	0.151
95% KM (t) UCL	0.628
95% KM (z) UCL	0.612
95% KM (jackknife) UCL	0.622
95% KM (bootstrap t) UCL	1.617
95% KM (BCA) UCL	0.623
95% KM (Percentile Bootstrap) UCL	0.618
95% KM (Chebyshev) UCL	1.023
97.5% KM (Chebyshev) UCL	1.308
99% KM (Chebyshev) UCL	1.869

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL 1.308

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.****These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).****For additional insight, the user may want to consult a statistician.**

**BENZO[A]PYRENE**

**General Statistics**

Number of Valid Data	16	Number of Detected Data	12
Number of Distinct Detected Data	12	Number of Non-Detect Data	4
Number of Missing Values	2	Percent Non-Detects	25.00%

**Raw Statistics**

Minimum Detected	0.052
Maximum Detected	1.7
Mean of Detected	0.325
SD of Detected	0.487
Minimum Non-Detect	0.037
Maximum Non-Detect	0.04

**Log-transformed Statistics**

Minimum Detected	-2.957
Maximum Detected	0.531
Mean of Detected	-1.783
SD of Detected	1.079
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.219

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	4
Number treated as Detected	12
Single DL Non-Detect Percentage	25.00%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.607
5% Shapiro Wilk Critical Value	0.859

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.89
5% Shapiro Wilk Critical Value	0.859

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.249
SD	0.439
95% DL/2 (t) UCL	0.441

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.326
SD	1.342
95% H-Stat (DL/2) UCL	0.744

**Maximum Likelihood Estimate(MLE) Method**

Mean	0.162
SD	0.514
95% MLE (t) UCL	0.387
95% MLE (Tiku) UCL	0.389

**Log ROS Method**

Mean in Log Scale	-2.421
SD in Log Scale	1.475
Mean in Original Scale	0.247
SD in Original Scale	0.44
95% t UCL	0.44
95% Percentile Bootstrap UCL	0.446
95% BCA Bootstrap UCL	0.542
95% H UCL	0.998

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.722
Theta Star	0.45
nu star	17.33

A-D Test Statistic	1.026
5% A-D Critical Value	0.761
K-S Test Statistic	0.761
5% K-S Critical Value	0.253

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	1.7
Mean	0.244
Median	0.083
SD	0.442
k star	0.217
Theta star	1.126
Nu star	6.93
AppChi2	2.132

95% Gamma Approximate UCL (Use when  $n \geq 40$ ) 0.792

95% Adjusted Gamma UCL (Use when  $n < 40$ ) 0.917

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean	0.257
SD	0.421
SE of Mean	0.11
95% KM (t) UCL	0.449
95% KM (z) UCL	0.437
95% KM (jackknife) UCL	0.445
95% KM (bootstrap t) UCL	1.177
95% KM (BCA) UCL	0.449
95% KM (Percentile Bootstrap) UCL	0.455
95% KM (Chebyshev) UCL	0.736
97.5% KM (Chebyshev) UCL	0.943
99% KM (Chebyshev) UCL	1.35

**Potential UCLs to Use**

95% KM (Chebyshev) UCL 0.736

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

**DIBENZ(A,H)ANTHRACENE**

<b>General Statistics</b>			
Number of Valid Data	16	Number of Detected Data	3
Number of Distinct Detected Data	3	Number of Non-Detect Data	13
Number of Missing Values	2	Percent Non-Detects	81.25%

<b>Raw Statistics</b>		<b>Log-transformed Statistics</b>	
Minimum Detected	0.041	Minimum Detected	-3.194
Maximum Detected	0.22	Maximum Detected	-1.514
Mean of Detected	0.144	Mean of Detected	-2.16
SD of Detected	0.0924	SD of Detected	0.905
Minimum Non-Detect	0.036	Minimum Non-Detect	-3.324
Maximum Non-Detect	0.042	Maximum Non-Detect	-3.17

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	14
Number treated as Detected	2
Single DL Non-Detect Percentage	87.50%

**Warning: There are only 3 Distinct Detected Values in this data set**  
**The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.**  
**Those methods will return a 'N/A' value on your output display!**

**It is necessary to have 4 or more Distinct Values for bootstrap methods.**  
**However, results obtained using 4 to 9 distinct values may not be reliable.**  
**It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.**

<b>UCL Statistics</b>			
<b>Normal Distribution Test with Detected Values Only</b>		<b>Lognormal Distribution Test with Detected Values Only</b>	
Shapiro Wilk Test Statistic	0.939	Shapiro Wilk Test Statistic	0.862
5% Shapiro Wilk Critical Value	0.767	5% Shapiro Wilk Critical Value	0.767
<b>Data appear Normal at 5% Significance Level</b>		<b>Data appear Lognormal at 5% Significance Level</b>	
<b>Assuming Normal Distribution</b>		<b>Assuming Lognormal Distribution</b>	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0425	Mean	-3.619
SD	0.0605	SD	0.797
95% DL/2 (t) UCL	0.069	95% H-Stat (DL/2) UCL	0.0604
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
<b>MLE method failed to converge properly</b>		Mean in Log Scale	-5.234
		SD in Log Scale	1.801
		Mean in Original Scale	0.0301
		SD in Original Scale	0.0657
		95% t UCL	0.059
		95% Percentile Bootstrap UCL	0.0587
		95% BCA Bootstrap UCL	0.0687
		95% H-UCL	0.181

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	N/A
Theta Star	N/A
nu star	N/A

A-D Test Statistic	N/A
5% A-D Critical Value	N/A
K-S Test Statistic	N/A
5% K-S Critical Value	N/A

**Data not Gamma Distributed at 5% Significance Level****Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	N/A
Maximum	N/A
Mean	N/A
Median	N/A
SD	N/A
k star	N/A
Theta star	N/A
Nu star	N/A
AppChi2	N/A

95% Gamma Approximate UCL (Use when  $n \geq 40$ ) N/A95% Adjusted Gamma UCL (Use when  $n < 40$ ) N/A**Note: DL/2 is not a recommended method.****Data Distribution Test with Detected Values Only****Data appear Normal at 5% Significance Level****Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean	0.0603
SD	0.0517
SE of Mean	0.0158
95% KM (t) UCL	0.088
95% KM (z) UCL	0.0863
95% KM (jackknife) UCL	0.143
95% KM (bootstrap t) UCL	0.0705
95% KM (BCA) UCL	N/A
95% KM (Percentile Bootstrap) UCL	0.22
95% KM (Chebyshev) UCL	0.129
97.5% KM (Chebyshev) UCL	0.159
99% KM (Chebyshev) UCL	0.218

**Potential UCLs to Use**

95% KM (t) UCL	0.088
95% KM (Percentile Bootstrap) UCL	0.22

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.****These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).****For additional insight, the user may want to consult a statistician.**



HEXACHLOROBENZENE

General Statistics			
Number of Valid Data	16	Number of Detected Data	9
Number of Distinct Detected Data	9	Number of Non-Detect Data	7
Number of Missing Values	2	Percent Non-Detects	43.75%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.038	Minimum Detected	-3.27
Maximum Detected	0.32	Maximum Detected	-1.139
Mean of Detected	0.102	Mean of Detected	-2.553
SD of Detected	0.0933	SD of Detected	0.72
Minimum Non-Detect	0.037	Minimum Non-Detect	-3.297
Maximum Non-Detect	0.04	Maximum Non-Detect	-3.219

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	8
Number treated as Detected	8
Single DL Non-Detect Percentage	50.00%

**Warning: There are only 9 Detected Values in this data**  
**Note: It should be noted that even though bootstrap may be performed on this data set**  
**the resulting calculations may not be reliable enough to draw conclusions**

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.

Normal Distribution Test with Detected Values Only		UCL Statistics		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.718			Shapiro Wilk Test Statistic	0.866
5% Shapiro Wilk Critical Value	0.829			5% Shapiro Wilk Critical Value	0.829
<b>Data not Normal at 5% Significance Level</b>				<b>Data appear Lognormal at 5% Significance Level</b>	

Assuming Normal Distribution			Assuming Lognormal Distribution		
DL/2 Substitution Method			DL/2 Substitution Method		
Mean	0.0658		Mean	-3.164	
SD	0.0802		SD	0.888	
95% DL/2 (t) UCL	0.101		95% H-Stat (DL/2) UCL	0.112	
Maximum Likelihood Estimate(MLE) Method			Log ROS Method		
Mean	0.0248		Mean in Log Scale	-3.357	
SD	0.119		SD in Log Scale	1.103	
95% MLE (t) UCL	0.0768		Mean in Original Scale	0.0631	
95% MLE (Tiku) UCL	0.0894		SD in Original Scale	0.082	
			95% t UCL	0.099	
			95% Percentile Bootstrap UCL	0.0993	
			95% BCA Bootstrap UCL	0.108	
			95% H UCL	0.145	

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	1.409
Theta Star	0.0724
nu star	25.36

A-D Test Statistic	0.779
5% A-D Critical Value	0.73
K-S Test Statistic	0.73
5% K-S Critical Value	0.282

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	0.32
Mean	0.0574
Median	0.041
SD	0.0858
k star	0.175
Theta star	0.328
Nu star	5.6
AppChi2	1.439
95% Gamma Approximate UCL (Use when n >= 40)	0.223
95% Adjusted Gamma UCL (Use when n < 40)	0.265

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data appear Lognormal at 5% Significance Level**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean	0.074
SD	0.0732
SE of Mean	0.0194
95% KM (t) UCL	0.108
95% KM (z) UCL	0.106
95% KM (jackknife) UCL	0.105
95% KM (bootstrap t) UCL	0.182
95% KM (BCA) UCL	0.113
95% KM (Percentile Bootstrap) UCL	0.11
95% KM (Chebyshev) UCL	0.159
97.5% KM (Chebyshev) UCL	0.195
99% KM (Chebyshev) UCL	0.267

**Potential UCLs to Use**

95% KM (t) UCL	0.108
95% KM (% Bootstrap) UCL	0.11

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

**INDENO (1,2,3-CD) PYRENE**

**General Statistics**

Number of Valid Data	16	Number of Detected Data	10
Number of Distinct Detected Data	10	Number of Non-Detect Data	6
Number of Missing Values	2	Percent Non-Detects	37.50%

**Raw Statistics**

Minimum Detected	0.044
Maximum Detected	0.97
Mean of Detected	0.225
SD of Detected	0.309
Minimum Non-Detect	0.037
Maximum Non-Detect	0.04

**Log-transformed Statistics**

Minimum Detected	-3.124
Maximum Detected	-0.0305
Mean of Detected	-2.123
SD of Detected	1.09
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.219

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	6
Number treated as Detected	10
Single DL Non-Detect Percentage	37.50%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.655
5% Shapiro Wilk Critical Value	0.842

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.849
5% Shapiro Wilk Critical Value	0.842

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.148
SD	0.261
95% DL/2 (t) UCL	0.262

**Maximum Likelihood Estimate(MLE) Method**

Mean	0.0554
SD	0.343
95% MLE (t) UCL	0.206
95% MLE (Tiku) UCL	0.221

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.81
SD	1.246
95% H-Stat (DL/2) UCL	0.355

**Log ROS Method**

Mean in Log Scale	-3.16
SD in Log Scale	1.64
Mean in Original Scale	0.144
SD in Original Scale	0.263
95% t UCL	0.259
95% Percentile Bootstrap UCL	0.258
95% BCA Bootstrap UCL	0.299
95% H UCL	0.813

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.712
Theta Star	0.317
nu star	14.23

A-D Test Statistic	0.974
5% A-D Critical Value	0.751
K-S Test Statistic	0.751
5% K-S Critical Value	0.274

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	0.97
Mean	0.141
Median	0.0495
SD	0.265
k star	0.177
Theta star	0.796
Nu star	5.661
AppChi2	1.469

95% Gamma Approximate UCL (Use when  $n \geq 40$ ) 0.543

95% Adjusted Gamma UCL (Use when  $n < 40$ ) 0.642

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean	0.157
SD	0.248
SE of Mean	0.0653
95% KM (t) UCL	0.272
95% KM (z) UCL	0.265
95% KM (jackknife) UCL	0.269
95% KM (bootstrap t) UCL	0.754
95% KM (BCA) UCL	0.292
95% KM (Percentile Bootstrap) UCL	0.267
95% KM (Chebyshev) UCL	0.442
97.5% KM (Chebyshev) UCL	0.565
99% KM (Chebyshev) UCL	0.808

**Potential UCLs to Use**

95% KM (BCA) UCL 0.292

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

Total PCBs

General Statistics

Number of Valid Observations 14  
Number of Missing Values 3

Number of Distinct Observations 14

Raw Statistics

Minimum 0.00333  
Maximum 2.71  
Mean 0.265  
Geometric Mean 0.0346  
Median 0.0301  
SD 0.722  
Std. Error of Mean 0.193  
Coefficient of Variation 2.721  
Skewness 3.463

Log-transformed Statistics

Minimum of Log Data -5.706  
Maximum of Log Data 0.997  
Mean of log Data -3.363  
SD of log Data 1.871

Relevant UCL Statistics

Normal Distribution Test

Shapiro Wilk Test Statistic 0.412  
Shapiro Wilk Critical Value 0.874

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Shapiro Wilk Test Statistic 0.914  
Shapiro Wilk Critical Value 0.874

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 0.607

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 0.773  
95% Modified-t UCL (Johnson-1978) 0.637

Assuming Lognormal Distribution

95% H-UCL 1.973

95% Chebyshev (MVUE) UCL 0.53  
97.5% Chebyshev (MVUE) UCL 0.693  
99% Chebyshev (MVUE) UCL 1.013

### Gamma Distribution Test

k star (bias corrected) 0.309  
Theta Star 0.858  
MLE of Mean 0.265  
MLE of Standard Deviation 0.477  
nu star 8.659  
Approximate Chi Square Value (.05) 3.122  
Adjusted Level of Significance 0.0312  
Adjusted Chi Square Value 2.697  
  
Anderson-Darling Test Statistic 1.64  
Anderson-Darling 5% Critical Value 0.826  
Kolmogorov-Smirnov Test Statistic 0.341  
Kolmogorov-Smirnov 5% Critical Value 0.247

**Data not Gamma Distributed at 5% Significance Level**

### Assuming Gamma Distribution

95% Approximate Gamma UCL (Use when  $n \geq 40$ ) 0.736  
95% Adjusted Gamma UCL (Use when  $n < 40$ ) 0.851

**Potential UCL to Use**

### Data Distribution

**Data appear Lognormal at 5% Significance Level**

### Nonparametric Statistics

95% CLT UCL 0.582  
95% Jackknife UCL 0.607  
95% Standard Bootstrap UCL 0.568  
95% Bootstrap-t UCL 5.634  
95% Hall's Bootstrap UCL 3.508  
95% Percentile Bootstrap UCL 0.64  
95% BCA Bootstrap UCL 0.86  
95% Chebyshev(Mean, Sd) UCL 1.106  
97.5% Chebyshev(Mean, Sd) UCL 1.47  
99% Chebyshev(Mean, Sd) UCL 2.184

**Use 99% Chebyshev (Mean, Sd) UCL 2.184**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.**

**General UCL Statistics for Data Sets with Non-Detects**

**User Selected Options**

From File C:\Documents and Settings\p0096827\Desktop\My Documents\DuPont\Edgemoor\95\_UCL\_calc\SWMU1\_3\_Pr  
 Full Precision OFF  
 Confidence Coefficient 95%  
 Number of Bootstrap Operations 2000

**BENZO(A)ANTHRACENE**

**General Statistics**

Number of Valid Data	21	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	15
Number of Missing Values	1	Percent Non-Detects	71.43%

**Raw Statistics**

Minimum Detected	0.042
Maximum Detected	12
Mean of Detected	2.158
SD of Detected	4.825
Minimum Non-Detect	0.037
Maximum Non-Detect	0.041

**Log-transformed Statistics**

Minimum Detected	-3.17
Maximum Detected	2.485
Mean of Detected	-1.318
SD of Detected	2.055
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	15
Number treated as Detected	6
Single DL Non-Detect Percentage	71.43%

**Warning: There are only 6 Detected Values in this data**

**Note: It should be noted that even though bootstrap may be performed on this data set  
 the resulting calculations may not be reliable enough to draw conclusions**

**It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.**

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.527
5% Shapiro Wilk Critical Value	0.788

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.842
5% Shapiro Wilk Critical Value	0.788

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.63
SD	2.608
95% DL/2 (t) UCL	1.612

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-3.197
SD	1.593
95% H-Stat (DL/2) UCL	0.499

Log ROS Method	
Mean in Log Scale	-6.892
SD in Log Scale	4.212
Mean in Original Scale	0.617
SD in Original Scale	2.611
95% t UCL	1.6
95% Percentile Bootstrap UCL	1.75
95% BCA Bootstrap UCL	2.358
95% H-UCL	15159

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.274
Theta Star	7.874
nu star	3.289

A-D Test Statistic	0.938
5% A-D Critical Value	0.763
K-S Test Statistic	0.763
5% K-S Critical Value	0.356

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	12
Mean	0.617
Median	0.000001
SD	2.611
k star	0.104
Theta star	5.901
Nu star	4.389
AppChi2	0.881

95% Gamma Approximate UCL (Use when n >= 40)	3.071
95% Adjusted Gamma UCL (Use when n < 40)	3.513

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.647
SD	2.541
SE of Mean	0.607
95% KM (t) UCL	1.694
95% KM (z) UCL	1.646
95% KM (jackknife) UCL	1.605
95% KM (bootstrap t) UCL	51.66
95% KM (BCA) UCL	2.354
95% KM (Percentile Bootstrap) UCL	1.794
95% KM (Chebyshev) UCL	3.294
97.5% KM (Chebyshev) UCL	4.44
99% KM (Chebyshev) UCL	6.691

**Potential UCLs to Use**

95% KM (t) UCL	1.694
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.

**BENZO(B)FLUORANTHENE**

**General Statistics**

Number of Valid Data	21	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	13
Number of Missing Values	1	Percent Non-Detects	61.90%

**Raw Statistics**

Minimum Detected	0.051
Maximum Detected	11
Mean of Detected	1.534
SD of Detected	3.831
Minimum Non-Detect	0.037
Maximum Non-Detect	0.04

**Log-transformed Statistics**

Minimum Detected	-2.976
Maximum Detected	2.398
Mean of Detected	-1.571
SD of Detected	1.792
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.219

Note: Data have multiple DLs - Use of KM Method is recommended  
For all methods (except KM, DL/2, and ROS Methods),  
Observations < Largest ND are treated as NDs

Number treated as Non-Detect	13
Number treated as Detected	8
Single DL Non-Detect Percentage	61.90%

Warning: There are only 8 Detected Values in this data  
Note: It should be noted that even though bootstrap may be performed on this data set the resulting calculations may not be reliable enough to draw conclusions

It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.



**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.456
5% Shapiro Wilk Critical Value	0.818

**Data not Normal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.596
SD	2.389
95% DL/2 (t) UCL	1.495

Maximum Likelihood Estimate(MLE) Method      N/A

**MLE yields a negative mean**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.747
5% Shapiro Wilk Critical Value	0.818

**Data not Lognormal at 5% Significance Level**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-3.045
SD	1.59
95% H-Stat (DL/2) UCL	0.576

Log ROS Method

Mean in Log Scale	-4.987
SD in Log Scale	3.177
Mean in Original Scale	0.586
SD in Original Scale	2.391
95% t UCL	1.486
95% Percentile Bootstrap UCL	1.621
95% BCA Bootstrap UCL	2.186
95% H-UCL	88.57

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.295
Theta Star	5.203
nu star	4.717

A-D Test Statistic      1.525

5% A-D Critical Value      0.791

K-S Test Statistic      0.791

5% K-S Critical Value      0.315

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	11
Mean	0.584
Median	0.000001
SD	2.392
k star	0.113
Theta star	5.167
Nu star	4.75
AppChi2	1.038

95% Gamma Approximate UCL (Use when n >= 40)      2.673

95% Adjusted Gamma UCL (Use when n < 40)      3.036

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data do not follow a Discernable Distribution (0.05)**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method

Mean	0.616
SD	2.326
SE of Mean	0.543
95% KM (t) UCL	1.552
95% KM (z) UCL	1.509
95% KM (jackknife) UCL	1.505
95% KM (bootstrap t) UCL	62.09
95% KM (BCA) UCL	1.658
95% KM (Percentile Bootstrap) UCL	1.653
95% KM (Chebyshev) UCL	2.981
97.5% KM (Chebyshev) UCL	4.005
99% KM (Chebyshev) UCL	6.016

**Potential UCLs to Use**

**97.5% KM (Chebyshev) UCL      4.005**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

**These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).**

**For additional insight, the user may want to consult a statistician.**

**BENZO[A]PYRENE**

**General Statistics**

Number of Valid Data	21	Number of Detected Data	6
Number of Distinct Detected Data	6	Number of Non-Detect Data	15
Number of Missing Values	1	Percent Non-Detects	71.43%

**Raw Statistics**

Minimum Detected	0.037
Maximum Detected	9.1
Mean of Detected	1.667
SD of Detected	3.647
Minimum Non-Detect	0.037
Maximum Non-Detect	0.041

**Log-transformed Statistics**

Minimum Detected	-3.297
Maximum Detected	2.208
Mean of Detected	-1.465
SD of Detected	2.017
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	16
Number treated as Detected	5
Single DL Non-Detect Percentage	76.19%

**Warning: There are only 6 Detected Values in this data**

**Note: It should be noted that even though bootstrap may be performed on this data set  
 the resulting calculations may not be reliable enough to draw conclusions**

**It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.**

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.536
5% Shapiro Wilk Critical Value	0.788

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.829
5% Shapiro Wilk Critical Value	0.788

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.49
SD	1.977
95% DL/2 (t) UCL	1.234

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-3.239
SD	1.529
95% H-Stat (DL/2) UCL	0.398

Log ROS Method

Mean in Log Scale -5.737

SD in Log Scale 3.339

Mean in Original Scale 0.478

SD in Original Scale 1.98

95% t UCL 1.223

95% Percentile Bootstrap UCL 1.316

95% BCA Bootstrap UCL 1.782

95% H-UCL 110.5

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.282
Theta Star	5.914
nu star	3.383

**Data Distribution Test with Detected Values Only**

**Data appear Lognormal at 5% Significance Level**

A-D Test Statistic	0.934
5% A-D Critical Value	0.76
K-S Test Statistic	0.76
5% K-S Critical Value	0.355

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	9.1
Mean	0.476
Median	0.000001
SD	1.98
k star	0.106
Theta star	4.495
Nu star	4.451
AppChi2	0.907
95% Gamma Approximate UCL (Use when n >= 40)	2.336
95% Adjusted Gamma UCL (Use when n < 40)	2.669

**Note: DL/2 is not a recommended method.**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.503
SD	1.926
SE of Mean	0.46
95% KM (t) UCL	1.297
95% KM (z) UCL	1.26
95% KM (jackknife) UCL	1.22
95% KM (bootstrap t) UCL	41.94
95% KM (BCA) UCL	1.806
95% KM (Percentile Bootstrap) UCL	1.372
95% KM (Chebyshev) UCL	2.51
97.5% KM (Chebyshev) UCL	3.378
99% KM (Chebyshev) UCL	5.084

**Potential UCLs to Use**

99% KM (Chebyshev) UCL	5.084
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

**These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).**

**For additional insight, the user may want to consult a statistician.**

DIBENZ(A,H)ANTHRACENE

General Statistics			
Number of Valid Data	21	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	19
Number of Missing Values	1	Percent Non-Detects	90.48%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	0.13	Minimum Detected	-2.04
Maximum Detected	1.5	Maximum Detected	0.405
Mean of Detected	0.815	Mean of Detected	-0.817
SD of Detected	0.969	SD of Detected	1.729
Minimum Non-Detect	0.036	Minimum Non-Detect	-3.324
Maximum Non-Detect	0.099	Maximum Non-Detect	-2.313

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	19
Number treated as Detected	2
Single DL Non-Detect Percentage	90.48%

**Warning: Data set has only 2 Distinct Detected Values.**

**This may not be adequate enough to compute meaningful and reliable test statistics and estimates.**

**The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).**

**Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.**

**The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.**

**Those methods will return a 'N/A' value on your output display!**

**It is necessary to have 4 or more Distinct Values for bootstrap methods.**

**However, results obtained using 4 to 9 distinct values may not be reliable.**

**It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.**

UCL Statistics		UCL Statistics	
<b>Normal Distribution Test with Detected Values Only</b>		<b>Lognormal Distribution Test with Detected Values Only</b>	
Shapiro Wilk Test Statistic	N/A	Shapiro Wilk Test Statistic	N/A
5% Shapiro Wilk Critical Value	N/A	5% Shapiro Wilk Critical Value	N/A
<b>Data not Normal at 5% Significance Level</b>		<b>Data not Lognormal at 5% Significance Level</b>	
<b>Assuming Normal Distribution</b>		<b>Assuming Lognormal Distribution</b>	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.0964	Mean	-3.612
SD	0.323	SD	1.028
95% DL/2 (t) UCL	0.218	95% H-Stat (DL/2) UCL	0.0833
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
<b>MLE method failed to converge properly</b>		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% t UCL	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
		95% H-UCL	N/A

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	N/A
Theta Star	N/A
nu star	N/A

A-D Test Statistic	N/A
5% A-D Critical Value	N/A
K-S Test Statistic	N/A
5% K-S Critical Value	N/A

**Data not Gamma Distributed at 5% Significance Level****Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	N/A
Maximum	N/A
Mean	N/A
Median	N/A
SD	N/A
k star	N/A
Theta star	N/A
Nu star	N/A
AppChi2	N/A

95% Gamma Approximate UCL (Use when n >= 40)	N/A
95% Adjusted Gamma UCL (Use when n < 40)	N/A

**Note: DL/2 is not a recommended method.****Data Distribution Test with Detected Values Only****Data do not follow a Discernable Distribution (0.05)****Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.195
SD	0.292
SE of Mean	0.09
95% KM (t) UCL	0.351
95% KM (z) UCL	0.343
95% KM (jackknife) UCL	1.102
95% KM (bootstrap t) UCL	0.195
95% KM (BCA) UCL	N/A
95% KM (Percentile Bootstrap) UCL	1.5
95% KM (Chebyshev) UCL	0.588
97.5% KM (Chebyshev) UCL	0.758
99% KM (Chebyshev) UCL	1.091

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL	0.758
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

**INDENO (1,2,3-CD) PYRENE**

**General Statistics**

Number of Valid Data	21	Number of Detected Data	5
Number of Distinct Detected Data	4	Number of Non-Detect Data	16
Number of Missing Values	1	Percent Non-Detects	76.19%

**Raw Statistics**

Minimum Detected	0.045
Maximum Detected	4.5
Mean of Detected	0.999
SD of Detected	1.962
Minimum Non-Detect	0.037
Maximum Non-Detect	0.041

**Log-transformed Statistics**

Minimum Detected	-3.101
Maximum Detected	1.504
Mean of Detected	-1.76
SD of Detected	2.033
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	16
Number treated as Detected	5
Single DL Non-Detect Percentage	76.19%

**Warning: There are only 4 Distinct Detected Values in this data**

**Note: It should be noted that even though bootstrap may be performed on this data set  
 the resulting calculations may not be reliable enough to draw conclusions**

**It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.**

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.599
5% Shapiro Wilk Critical Value	0.762

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.767
5% Shapiro Wilk Critical Value	0.762

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.253
SD	0.976
95% DL/2 (t) UCL	0.62

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-3.429
SD	1.32
95% H-Stat (DL/2) UCL	0.189

Log ROS Method

Mean in Log Scale	-8.211
SD in Log Scale	4.411
Mean in Original Scale	0.238
SD in Original Scale	0.98
95% t UCL	0.607
95% Percentile Bootstrap UCL	0.665
95% BCA Bootstrap UCL	0.911
95% H-UCL	19765

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.284
Theta Star	3.514
nu star	2.844

A-D Test Statistic	0.79
5% A-D Critical Value	0.728
K-S Test Statistic	0.728
5% K-S Critical Value	0.377

**Data follow Appr. Gamma Distribution at 5% Significance Level****Assuming Gamma Distribution**

## Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	4.5
Mean	0.238
Median	0.000001
SD	0.98
k star	0.106
Theta star	2.24
Nu star	4.461
AppChi2	0.912

95% Gamma Approximate UCL (Use when n >= 40)	1.164
95% Adjusted Gamma UCL (Use when n < 40)	1.329

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.

**Data Distribution Test with Detected Values Only****Data Follow Appr. Gamma Distribution at 5% Significance Level****Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.272
SD	0.948
SE of Mean	0.231
95% KM (t) UCL	0.671
95% KM (z) UCL	0.653
95% KM (jackknife) UCL	0.638
95% KM (bootstrap t) UCL	733.5
95% KM (BCA) UCL	0.711
95% KM (Percentile Bootstrap) UCL	0.697
95% KM (Chebyshev) UCL	1.28
97.5% KM (Chebyshev) UCL	1.716
99% KM (Chebyshev) UCL	2.573

**Potential UCLs to Use**

95% KM (t) UCL	0.671
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**COPPER****General Statistics**

Number of Valid Observations	21
Number of Missing Values	1

Number of Distinct Observations 21

**Raw Statistics**

Minimum	3.58
Maximum	93500
Mean	5431
Geometric Mean	104.7
Median	35.4
SD	20290
Std. Error of Mean	4428
Coefficient of Variation	3.736
Skewness	4.503

**Log-transformed Statistics**

Minimum of Log Data	1.275
Maximum of Log Data	11.45
Mean of log Data	4.651
SD of log Data	2.922

## Relevant UCL Statistics

### Normal Distribution Test

Shapiro Wilk Test Statistic 0.286  
Shapiro Wilk Critical Value 0.908

**Data not Normal at 5% Significance Level**

### Assuming Normal Distribution

95% Student's-t UCL 13067

### 95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 17362  
95% Modified-t UCL (Johnson-1978) 13792

### Gamma Distribution Test

k star (bias corrected) 0.193  
Theta Star 28136  
MLE of Mean 5431  
MLE of Standard Deviation 12361  
nu star 8.107  
Approximate Chi Square Value (.05) 2.797  
Adjusted Level of Significance 0.0383  
Adjusted Chi Square Value 2.563

Anderson-Darling Test Statistic 2.293  
Anderson-Darling 5% Critical Value 0.895  
Kolmogorov-Smirnov Test Statistic 0.26  
Kolmogorov-Smirnov 5% Critical Value 0.21

**Data not Gamma Distributed at 5% Significance Level**

### Assuming Gamma Distribution

95% Approximate Gamma UCL (Use when  $n \geq 40$ ) 15741  
95% Adjusted Gamma UCL (Use when  $n < 40$ ) 17181

**Potential UCL to Use**

### Lognormal Distribution Test

Shapiro Wilk Test Statistic 0.908  
Shapiro Wilk Critical Value 0.908

**Data not Lognormal at 5% Significance Level**

### Assuming Lognormal Distribution

95% H-UCL 323769  
95% Chebyshev (MVUE) UCL 15630  
97.5% Chebyshev (MVUE) UCL 20845  
99% Chebyshev (MVUE) UCL 31088

### Data Distribution

**Data do not follow a Discernable Distribution (0.05)**

### Nonparametric Statistics

95% CLT UCL 12714  
95% Jackknife UCL 13067  
95% Standard Bootstrap UCL 12492  
95% Bootstrap-t UCL 73360  
95% Hall's Bootstrap UCL 52896  
95% Percentile Bootstrap UCL 14173  
95% BCA Bootstrap UCL 18812  
95% Chebyshev(Mean, Sd) UCL 24730  
97.5% Chebyshev(Mean, Sd) UCL 33081  
99% Chebyshev(Mean, Sd) UCL 49485

**Use 99% Chebyshev (Mean, Sd) UCL 49485**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.**



**General UCL Statistics for Data Sets with Non-Detects**

**User Selected Options**

From File C:\Documents and Settings\p0096827\Desktop\My Documents\DuPont\Edgemoor\95\_UCL\_calc\SWMU 4\_Prof  
Full Precision OFF  
Confidence Coefficient 95%  
Number of Bootstrap Operations 2000

**BENZO[A]PYRENE**

<b>General Statistics</b>			
Number of Valid Data	23	Number of Detected Data	2
Number of Distinct Detected Data	2	Number of Non-Detect Data	21
		Percent Non-Detects	91.30%
<b>Raw Statistics</b>		<b>Log-transformed Statistics</b>	
Minimum Detected	0.044	Minimum Detected	-3.124
Maximum Detected	0.57	Maximum Detected	-0.562
Mean of Detected	0.307	Mean of Detected	-1.843
SD of Detected	0.372	SD of Detected	1.811
Minimum Non-Detect	0.036	Minimum Non-Detect	-3.324
Maximum Non-Detect	0.046	Maximum Non-Detect	-3.079

Note: Data have multiple DLs - Use of KM Method is recommended  
For all methods (except KM, DL/2, and ROS Methods),  
Observations < Largest ND are treated as NDs

Number treated as Non-Detect 22  
Number treated as Detected 1  
Single DL Non-Detect Percentage 95.65%

**Warning: Data set has only 2 Distinct Detected Values.**

**This may not be adequate enough to compute meaningful and reliable test statistics and estimates.**

**The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).**

**Unless Data Quality Objectives (DQOs) have been met, it is suggested to collect additional observations.**

**The number of detected data may not be adequate enough to perform GOF tests, bootstrap, and ROS methods.**

**Those methods will return a 'N/A' value on your output display!**

**It is necessary to have 4 or more Distinct Values for bootstrap methods.**

**However, results obtained using 4 to 9 distinct values may not be reliable.**

**It is recommended to have 10 to 15 or more observations for accurate and meaningful results and estimates.**

		UCL Statistics				Lognormal Distribution Test with Detected Values Only	
<b>Normal Distribution Test with Detected Values Only</b>							
	Shapiro Wilk Test Statistic	N/A			Shapiro Wilk Test Statistic	N/A	
	5% Shapiro Wilk Critical Value	N/A			5% Shapiro Wilk Critical Value	N/A	
	<b>Data not Normal at 5% Significance Level</b>				<b>Data not Lognormal at 5% Significance Level</b>		
<b>Assuming Normal Distribution</b>				<b>Assuming Lognormal Distribution</b>			
	DL/2 Substitution Method				DL/2 Substitution Method		
	Mean	0.0442			Mean	-3.772	
	SD	0.115			SD	0.723	
	95% DL/2 (t) UCL	0.0853			95% H-Stat (DL/2) UCL	0.0419	
	Maximum Likelihood Estimate(MLE) Method	N/A			Log ROS Method		
	<b>MLE method failed to converge properly</b>				Mean in Log Scale	N/A	
					SD in Log Scale	N/A	
					Mean in Original Scale	N/A	
					SD in Original Scale	N/A	
					95% t UCL	N/A	
					95% Percentile Bootstrap UCL	N/A	
					95% BCA Bootstrap UCL	N/A	
					95% H-UCL	N/A	
<b>Gamma Distribution Test with Detected Values Only</b>				<b>Data Distribution Test with Detected Values Only</b>			
	k star (bias corrected)	N/A		<b>Data do not follow a Discernable Distribution (0.05)</b>			
	Theta Star	N/A					
	nu star	N/A					
	A-D Test Statistic	N/A		<b>Nonparametric Statistics</b>			
	5% A-D Critical Value	N/A			Kaplan-Meier (KM) Method		
	K-S Test Statistic	N/A			Mean	0.0669	
	5% K-S Critical Value	N/A			SD	0.107	
	<b>Data not Gamma Distributed at 5% Significance Level</b>				SE of Mean	0.0316	
					95% KM (t) UCL	0.121	
	<b>Assuming Gamma Distribution</b>				95% KM (z) UCL	0.119	
	Gamma ROS Statistics using Extrapolated Data				95% KM (jackknife) UCL	0.414	
	Minimum	N/A			95% KM (bootstrap t) UCL	N/A	
	Maximum	N/A			95% KM (BCA) UCL	0.57	
	Mean	N/A			95% KM (Percentile Bootstrap) UCL	N/A	
	Median	N/A			95% KM (Chebyshev) UCL	0.205	
	SD	N/A			97.5% KM (Chebyshev) UCL	0.264	
	k star	N/A			99% KM (Chebyshev) UCL	0.382	
	Theta star	N/A					
	Nu star	N/A			<b>Potential UCLs to Use</b>		
	AppChi2	N/A			97.5% KM (Chebyshev) UCL	0.264	
	95% Gamma Approximate UCL (Use when n >= 40)	N/A					
	95% Adjusted Gamma UCL (Use when n < 40)	N/A					

Note: DL/2 is not a recommended method.

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

For additional insight, the user may want to consult a statistician.

**General UCL Statistics for Data Sets with Non-Detects**

**User Selected Options**

From File C:\Documents and Settings\p0096827\Desktop\My Documents\DuPont\Edgemoor\95\_UCL\_calc\SWMU 5\_Prof  
 Full Precision OFF  
 Confidence Coefficient 95%  
 Number of Bootstrap Operations 2000

**BENZO(A)ANTHRACENE**

**General Statistics**

Number of Valid Data	28	Number of Detected Data	22
Number of Distinct Detected Data	20	Number of Non-Detect Data	6
Number of Missing Values	3	Percent Non-Detects	21.43%

**Raw Statistics**

Minimum Detected	0.042
Maximum Detected	15
Mean of Detected	1.165
SD of Detected	3.155
Minimum Non-Detect	0.037
Maximum Non-Detect	0.067

**Log-transformed Statistics**

Minimum Detected	-3.17
Maximum Detected	2.708
Mean of Detected	-1.285
SD of Detected	1.555
Minimum Non-Detect	-3.297
Maximum Non-Detect	-2.703

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	11
Number treated as Detected	17
Single DL Non-Detect Percentage	39.29%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.366
5% Shapiro Wilk Critical Value	0.911

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.911
5% Shapiro Wilk Critical Value	0.911

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.92
SD	2.823
95% DL/2 (t) UCL	1.829

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-1.837
SD	1.746
95% H-Stat (DL/2) UCL	2.368

Log ROS Method

Mean in Log Scale	-2.003
SD in Log Scale	1.971
Mean in Original Scale	0.918
SD in Original Scale	2.824
95% t UCL	1.827
95% Percentile Bootstrap UCL	1.947
95% BCA Bootstrap UCL	2.501
95% H-UCL	4.042

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.418
Theta Star	2.784
nu star	18.41

A-D Test Statistic	1.771
5% A-D Critical Value	0.815
K-S Test Statistic	0.815
5% K-S Critical Value	0.197

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	15
Mean	0.915
Median	0.0935
SD	2.825
k star	0.194
Theta star	4.71
Nu star	10.88
AppChi2	4.5

95% Gamma Approximate UCL (Use when n >= 40)	2.213
95% Adjusted Gamma UCL (Use when n < 40)	2.345

**Note: DL/2 is not a recommended method.**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

**Data Distribution Test with Detected Values Only**

**Data appear Lognormal at 5% Significance Level**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.925
SD	2.771
SE of Mean	0.536
95% KM (t) UCL	1.838
95% KM (z) UCL	1.806
95% KM (jackknife) UCL	1.831
95% KM (bootstrap t) UCL	4.861
95% KM (BCA) UCL	2.045
95% KM (Percentile Bootstrap) UCL	1.954
95% KM (Chebyshev) UCL	3.261
97.5% KM (Chebyshev) UCL	4.272
99% KM (Chebyshev) UCL	6.258

**Potential UCLs to Use**

99% KM (Chebyshev) UCL	6.258
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**BENZO(B)FLUORANTHENE****General Statistics**

Number of Valid Data	28	Number of Detected Data	22
Number of Distinct Detected Data	22	Number of Non-Detect Data	6
Number of Missing Values	3	Percent Non-Detects	21.43%

**Raw Statistics**

Minimum Detected	0.045
Maximum Detected	14
Mean of Detected	1.145
SD of Detected	2.946
Minimum Non-Detect	0.037
Maximum Non-Detect	0.067

**Log-transformed Statistics**

Minimum Detected	-3.101
Maximum Detected	2.639
Mean of Detected	-1.185
SD of Detected	1.486
Minimum Non-Detect	-3.297
Maximum Non-Detect	-2.703

**Note: Data have multiple DLs - Use of KM Method is recommended  
For all methods (except KM, DL/2, and ROS Methods),  
Observations < Largest ND are treated as NDs**

Number treated as Non-Detect	8
Number treated as Detected	20
Single DL Non-Detect Percentage	28.57%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.383
5% Shapiro Wilk Critical Value	0.911

**Data not Normal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.904
SD	2.64
95% DL/2 (t) UCL	1.754

**Maximum Likelihood Estimate(MLE) Method**

Mean	0.199
SD	3.199
95% MLE (t) UCL	1.229
95% MLE (Tiku) UCL	1.26

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.926
5% Shapiro Wilk Critical Value	0.911

**Data appear Lognormal at 5% Significance Level**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-1.759
SD	1.725
95% H-Stat (DL/2) UCL	2.409

**Log ROS Method**

Mean in Log Scale	-1.898
SD in Log Scale	1.915
Mean in Original Scale	0.902
SD in Original Scale	2.641
95% t UCL	1.752
95% Percentile Bootstrap UCL	1.866
95% BCA Bootstrap UCL	2.467
95% H UCL	3.738

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.448
Theta Star	2.557
nu star	19.7

A-D Test Statistic	1.676
5% A-D Critical Value	0.808
K-S Test Statistic	0.808
5% K-S Critical Value	0.196

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

**Gamma ROS Statistics using Extrapolated Data**

Minimum	0.000001
Maximum	14
Mean	0.9
Median	0.115
SD	2.642
k star	0.198
Theta star	4.543
Nu star	11.09
AppChi2	4.634

95% Gamma Approximate UCL (Use when n >= 40) 2.153

95% Adjusted Gamma UCL (Use when n < 40) 2.279

**Data Distribution Test with Detected Values Only**

**Data appear Lognormal at 5% Significance Level**

**Nonparametric Statistics**

**Kaplan-Meier (KM) Method**

Mean	0.909
SD	2.591
SE of Mean	0.501
95% KM (t) UCL	1.763
95% KM (z) UCL	1.734
95% KM (jackknife) UCL	1.757
95% KM (bootstrap t) UCL	4.391
95% KM (BCA) UCL	1.927
95% KM (Percentile Bootstrap) UCL	1.874
95% KM (Chebyshev) UCL	3.094
97.5% KM (Chebyshev) UCL	4.039
99% KM (Chebyshev) UCL	5.896

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL 4.039

**Note: DL/2 is not a recommended method.**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**

**These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).**

**For additional insight, the user may want to consult a statistician.**

**BENZO[A]PYRENE**

**General Statistics**

Number of Valid Data	28	Number of Detected Data	20
Number of Distinct Detected Data	18	Number of Non-Detect Data	8
Number of Missing Values	3	Percent Non-Detects	28.57%

**Raw Statistics**

Minimum Detected	0.044
Maximum Detected	11
Mean of Detected	0.963
SD of Detected	2.42
Minimum Non-Detect	0.037
Maximum Non-Detect	0.067

**Log-transformed Statistics**

Minimum Detected	-3.124
Maximum Detected	2.398
Mean of Detected	-1.341
SD of Detected	1.484
Minimum Non-Detect	-3.297
Maximum Non-Detect	-2.703

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	12
Number treated as Detected	16
Single DL Non-Detect Percentage	42.86%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.395
5% Shapiro Wilk Critical Value	0.905

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.922
5% Shapiro Wilk Critical Value	0.905

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.694
SD	2.075
95% DL/2 (t) UCL	1.362

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.065
SD	1.709
95% H-Stat (DL/2) UCL	1.693

Log ROS Method

Mean in Log Scale	-2.308
SD in Log Scale	2.01
Mean in Original Scale	0.691
SD in Original Scale	2.076
95% t UCL	1.359
95% Percentile Bootstrap UCL	1.432
95% BCA Bootstrap UCL	1.899
95% H-UCL	3.395

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.449
Theta Star	2.144
nu star	17.96

A-D Test Statistic	1.509
5% A-D Critical Value	0.805
K-S Test Statistic	0.805
5% K-S Critical Value	0.205

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	11
Mean	0.688
Median	0.083
SD	2.077
k star	0.173
Theta star	3.978
Nu star	9.682
AppChi2	3.744

95% Gamma Approximate UCL (Use when n >= 40)	1.779
95% Adjusted Gamma UCL (Use when n < 40)	1.893

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data appear Lognormal at 5% Significance Level**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.7
SD	2.036
SE of Mean	0.395
95% KM (t) UCL	1.373
95% KM (z) UCL	1.35
95% KM (jackknife) UCL	1.366
95% KM (bootstrap t) UCL	3.537
95% KM (BCA) UCL	1.436
95% KM (Percentile Bootstrap) UCL	1.441
95% KM (Chebyshev) UCL	2.421
97.5% KM (Chebyshev) UCL	3.165
99% KM (Chebyshev) UCL	4.628

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL	3.165
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

**DIBENZ(A,H)ANTHRACENE**

<b>General Statistics</b>			
Number of Valid Data	28	Number of Detected Data	8
Number of Distinct Detected Data	8	Number of Non-Detect Data	20
Number of Missing Values	3	Percent Non-Detects	71.43%

<b>Raw Statistics</b>		<b>Log-transformed Statistics</b>	
Minimum Detected	0.041	Minimum Detected	-3.194
Maximum Detected	1.7	Maximum Detected	0.531
Mean of Detected	0.321	Mean of Detected	-2.006
SD of Detected	0.565	SD of Detected	1.262
Minimum Non-Detect	0.036	Minimum Non-Detect	-3.324
Maximum Non-Detect	0.17	Maximum Non-Detect	-1.772

Note: Data have multiple DLs - Use of KM Method is recommended

For all methods (except KM, DL/2, and ROS Methods),

Observations < Largest ND are treated as NDs

Number treated as Non-Detect	25
Number treated as Detected	3
Single DL Non-Detect Percentage	89.29%

**Warning: There are only 8 Detected Values in this data**

**Note: It should be noted that even though bootstrap may be performed on this data set the resulting calculations may not be reliable enough to draw conclusions**

**It is recommended to have 10-15 or more distinct observations for accurate and meaningful results.**

<b>UCL Statistics</b>		<b>UCL Statistics</b>	
<b>Normal Distribution Test with Detected Values Only</b>		<b>Lognormal Distribution Test with Detected Values Only</b>	
Shapiro Wilk Test Statistic	0.558	Shapiro Wilk Test Statistic	0.883
5% Shapiro Wilk Critical Value	0.818	5% Shapiro Wilk Critical Value	0.818
<b>Data not Normal at 5% Significance Level</b>		<b>Data appear Lognormal at 5% Significance Level</b>	

<b>Assuming Normal Distribution</b>		<b>Assuming Lognormal Distribution</b>	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	0.108	Mean	-3.317
SD	0.319	SD	1.1
95% DL/2 (t) UCL	0.211	95% H-Stat (DL/2) UCL	0.115
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
<b>MLE yields a negative mean</b>		Mean in Log Scale	-4.903
		SD in Log Scale	2.163
		Mean in Original Scale	0.0941
		SD in Original Scale	0.323
		95% t UCL	0.198
		95% Percentile Bootstrap UCL	0.209
		95% BCA Bootstrap UCL	0.269
		95% H-UCL	0.432



**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.519
Theta Star	0.618
nu star	8.297

A-D Test Statistic	0.802
5% A-D Critical Value	0.749
K-S Test Statistic	0.749
5% K-S Critical Value	0.305

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	1.7
Mean	0.0916
Median	0.000001
SD	0.323
k star	0.114
Theta star	0.805
Nu star	6.372
AppChi2	1.833

95% Gamma Approximate UCL (Use when n >= 40)	0.318
95% Adjusted Gamma UCL (Use when n < 40)	0.346

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.121
SD	0.309
SE of Mean	0.0625
95% KM (t) UCL	0.228
95% KM (z) UCL	0.224
95% KM (jackknife) UCL	0.222
95% KM (bootstrap t) UCL	0.69
95% KM (BCA) UCL	0.253
95% KM (Percentile Bootstrap) UCL	0.24
95% KM (Chebyshev) UCL	0.394
97.5% KM (Chebyshev) UCL	0.512
99% KM (Chebyshev) UCL	0.743

**Potential UCLs to Use**

95% KM (t) UCL	0.228
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.

HEXACHLOROBENZENE

**General Statistics**

Number of Valid Data	28	Number of Detected Data	15
Number of Distinct Detected Data	15	Number of Non-Detect Data	13
Number of Missing Values	3	Percent Non-Detects	46.43%

**Raw Statistics**

Minimum Detected	0.038
Maximum Detected	270
Mean of Detected	18.14
SD of Detected	69.68
Minimum Non-Detect	0.037
Maximum Non-Detect	0.041

**Log-transformed Statistics**

Minimum Detected	-3.27
Maximum Detected	5.598
Mean of Detected	-1.852
SD of Detected	2.227
Minimum Non-Detect	-3.297
Maximum Non-Detect	-3.194

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	14
Number treated as Detected	14
Single DL Non-Detect Percentage	50.00%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.286
5% Shapiro Wilk Critical Value	0.881

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.604
5% Shapiro Wilk Critical Value	0.881

**Data not Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	9.727
SD	51.01
95% DL/2 (t) UCL	26.15

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.821
SD	1.923
95% H-Stat (DL/2) UCL	1.524
Log ROS Method	
Mean in Log Scale	-4.121
SD in Log Scale	3.046
Mean in Original Scale	9.718
SD in Original Scale	51.01
95% t UCL	26.14
95% Percentile Bootstrap UCL	29
95% BCA Bootstrap UCL	38.67
95% H-UCL	44.22

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.173
Theta Star	105.1
nu star	5.179

A-D Test Statistic	4.252
5% A-D Critical Value	0.89
K-S Test Statistic	0.89
5% K-S Critical Value	0.247

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	270
Mean	9.718
Median	0.04
SD	51.01
k star	0.1
Theta star	97.02
Nu star	5.609
AppChi2	1.443

95% Gamma Approximate UCL (Use when $n \geq 40$ )	37.76
95% Adjusted Gamma UCL (Use when $n < 40$ )	41.35

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data do not follow a Discernable Distribution (0.05)**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	9.735
SD	50.09
SE of Mean	9.798
95% KM (t) UCL	26.42
95% KM (z) UCL	25.85
95% KM (jackknife) UCL	26.15
95% KM (bootstrap t) UCL	10341
95% KM (BCA) UCL	29.03
95% KM (Percentile Bootstrap) UCL	29.01
95% KM (Chebyshev) UCL	52.44
97.5% KM (Chebyshev) UCL	70.92
99% KM (Chebyshev) UCL	107.2

**Potential UCLs to Use**

99% KM (Chebyshev) UCL	107.2
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**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

INDENO (1,2,3-CD) PYRENE

**General Statistics**

Number of Valid Data	28	Number of Detected Data	16
Number of Distinct Detected Data	16	Number of Non-Detect Data	12
Number of Missing Values	3	Percent Non-Detects	42.86%

**Raw Statistics**

Minimum Detected	0.044
Maximum Detected	4.9
Mean of Detected	0.596
SD of Detected	1.192
Minimum Non-Detect	0.037
Maximum Non-Detect	0.067

**Log-transformed Statistics**

Minimum Detected	-3.124
Maximum Detected	1.589
Mean of Detected	-1.523
SD of Detected	1.358
Minimum Non-Detect	-3.297
Maximum Non-Detect	-2.703

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	16
Number treated as Detected	12
Single DL Non-Detect Percentage	57.14%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.486
5% Shapiro Wilk Critical Value	0.887

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.928
5% Shapiro Wilk Critical Value	0.887

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	0.349
SD	0.934
95% DL/2 (t) UCL	0.65

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	-2.537
SD	1.567
95% H-Stat (DL/2) UCL	0.715

Log ROS Method

Mean in Log Scale	-2.987
SD in Log Scale	2.036
Mean in Original Scale	0.344
SD in Original Scale	0.936
95% t UCL	0.645
95% Percentile Bootstrap UCL	0.668
95% BCA Bootstrap UCL	0.936
95% H-UCL	1.88

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.54
Theta Star	1.104
nu star	17.26

A-D Test Statistic	0.974
5% A-D Critical Value	0.787
K-S Test Statistic	0.787
5% K-S Critical Value	0.225

Data follow Appr. Gamma Distribution at 5% Significance Level

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	4.9
Mean	0.341
Median	0.0495
SD	0.938
k star	0.146
Theta star	2.339
Nu star	8.151
AppChi2	2.823

95% Gamma Approximate UCL (Use when $n \geq 40$ )	0.983
95% Adjusted Gamma UCL (Use when $n < 40$ )	1.054

Note: DL/2 is not a recommended method.

**Data Distribution Test with Detected Values Only**

Data Follow Appr. Gamma Distribution at 5% Significance Level

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	0.359
SD	0.914
SE of Mean	0.178
95% KM (t) UCL	0.663
95% KM (z) UCL	0.653
95% KM (jackknife) UCL	0.658
95% KM (bootstrap t) UCL	1.409
95% KM (BCA) UCL	0.707
95% KM (Percentile Bootstrap) UCL	0.685
95% KM (Chebyshev) UCL	1.137
97.5% KM (Chebyshev) UCL	1.473
99% KM (Chebyshev) UCL	2.134

**Potential UCLs to Use**

95% KM (BCA) UCL	0.707
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Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.

Total PCBs

General Statistics

Number of Valid Observations 24  
Number of Missing Values 5

Number of Distinct Observations 24

Raw Statistics

Minimum 0.00189  
Maximum 2.71  
Mean 0.226  
Geometric Mean 0.0517  
Median 0.0505  
SD 0.552  
Std. Error of Mean 0.113  
Coefficient of Variation 2.448  
Skewness 4.302

Log-transformed Statistics

Minimum of Log Data -6.271  
Maximum of Log Data 0.997  
Mean of log Data -2.962  
SD of log Data 1.792

Relevant UCL Statistics

Normal Distribution Test

Shapiro Wilk Test Statistic 0.415  
Shapiro Wilk Critical Value 0.916

Data not Normal at 5% Significance Level

Lognormal Distribution Test

Shapiro Wilk Test Statistic 0.989  
Shapiro Wilk Critical Value 0.916

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

95% Student's-t UCL 0.419

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995) 0.517  
95% Modified-t UCL (Johnson-1978) 0.435

Assuming Lognormal Distribution

95% H-UCL 1.044

95% Chebyshev (MVUE) UCL 0.67  
97.5% Chebyshev (MVUE) UCL 0.864  
99% Chebyshev (MVUE) UCL 1.244

**Gamma Distribution Test**

k star (bias corrected) 0.413  
 Theta Star 0.547  
 MLE of Mean 0.226  
 MLE of Standard Deviation 0.351  
 nu star 19.81  
 Approximate Chi Square Value (.05) 10.71  
 Adjusted Level of Significance 0.0392  
 Adjusted Chi Square Value 10.24  
  
 Anderson-Darling Test Statistic 0.906  
 Anderson-Darling 5% Critical Value 0.82  
 Kolmogorov-Smirnov Test Statistic 0.169  
 Kolmogorov-Smirnov 5% Critical Value 0.19

**Data follow Appr. Gamma Distribution at 5% Significance Level**

**Assuming Gamma Distribution**

95% Approximate Gamma UCL (Use when  $n \geq 40$ ) 0.417  
 95% Adjusted Gamma UCL (Use when  $n < 40$ ) 0.437

**Potential UCL to Use**

**Data Distribution**

**Data Follow Appr. Gamma Distribution at 5% Significance Level**

**Nonparametric Statistics**

95% CLT UCL 0.411  
 95% Jackknife UCL 0.419  
 95% Standard Bootstrap UCL 0.407  
 95% Bootstrap-t UCL 0.886  
 95% Hall's Bootstrap UCL 1.051  
 95% Percentile Bootstrap UCL 0.448  
 95% BCA Bootstrap UCL 0.558  
 95% Chebyshev(Mean, Sd) UCL 0.717  
 97.5% Chebyshev(Mean, Sd) UCL 0.93  
 99% Chebyshev(Mean, Sd) UCL 1.348

**Use 95% Adjusted Gamma UCL 0.437**

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.**  
**These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)**  
**and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.**

LEAD

**General Statistics**

Number of Valid Observations 26  
Number of Missing Values 5

Number of Distinct Observations 26

**Raw Statistics**

Minimum 13.6  
Maximum 1220  
Mean 208.2  
Geometric Mean 122.8  
Median 114  
SD 253.7  
Std. Error of Mean 49.76  
Coefficient of Variation 1.218  
Skewness 2.898

**Log-transformed Statistics**

Minimum of Log Data 2.61  
Maximum of Log Data 7.107  
Mean of log Data 4.811  
SD of log Data 1.067

**Relevant UCL Statistics**

**Normal Distribution Test**

Shapiro Wilk Test Statistic 0.677  
Shapiro Wilk Critical Value 0.92

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test**

Shapiro Wilk Test Statistic 0.99  
Shapiro Wilk Critical Value 0.92

**Data appear Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

95% Student's-t UCL 293.2

**95% UCLs (Adjusted for Skewness)**

95% Adjusted-CLT UCL (Chen-1995) 320.3  
95% Modified-t UCL (Johnson-1978) 297.9

**Assuming Lognormal Distribution**

95% H-UCL 377.5

95% Chebyshev (MVUE) UCL 431.1  
97.5% Chebyshev (MVUE) UCL 526.7  
99% Chebyshev (MVUE) UCL 714.6



### Gamma Distribution Test

k star (bias corrected) 0.984  
Theta Star 211.6  
MLE of Mean 208.2  
MLE of Standard Deviation 209.9  
nu star 51.16  
Approximate Chi Square Value (.05) 35.73  
Adjusted Level of Significance 0.0398  
Adjusted Chi Square Value 34.88  
  
Anderson-Darling Test Statistic 0.377  
Anderson-Darling 5% Critical Value 0.771  
Kolmogorov-Smirnov Test Statistic 0.117  
Kolmogorov-Smirnov 5% Critical Value 0.176

Data appear Gamma Distributed at 5% Significance Level

### Assuming Gamma Distribution

95% Approximate Gamma UCL (Use when  $n \geq 40$ ) 298.1  
95% Adjusted Gamma UCL (Use when  $n < 40$ ) 305.4

### Potential UCL to Use

### Data Distribution

Data appear Gamma Distributed at 5% Significance Level

### Nonparametric Statistics

95% CLT UCL 290.1  
95% Jackknife UCL 293.2  
95% Standard Bootstrap UCL 289.4  
95% Bootstrap-t UCL 368.8  
95% Hall's Bootstrap UCL 694.9  
95% Percentile Bootstrap UCL 301.5  
95% BCA Bootstrap UCL 330.2  
95% Chebyshev(Mean, Sd) UCL 425.1  
97.5% Chebyshev(Mean, Sd) UCL 519  
99% Chebyshev(Mean, Sd) UCL 703.3

Use 95% Approximate Gamma UCL 298.1

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002) and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.**

**General UCL Statistics for Data Sets with Non-Detects**

**User Selected Options**

From File C:\Documents and Settings\p0096827\Desktop\My Documents\DuPont\Edgemoor\95\_UCL\_calc\SWMU 20\_Prc  
 Full Precision OFF  
 Confidence Coefficient 95%  
 Number of Bootstrap Operations 2000

TPH

**General Statistics**

Number of Valid Data	33	Number of Detected Data	21
Number of Distinct Detected Data	21	Number of Non-Detect Data	12
		Percent Non-Detects	36.36%

**Raw Statistics**

Minimum Detected	31
Maximum Detected	4500
Mean of Detected	455.5
SD of Detected	1013
Minimum Non-Detect	4.2
Maximum Non-Detect	4.6

**Log-transformed Statistics**

Minimum Detected	3.434
Maximum Detected	8.412
Mean of Detected	4.914
SD of Detected	1.397
Minimum Non-Detect	1.435
Maximum Non-Detect	1.526

Note: Data have multiple DLs - Use of KM Method is recommended  
 For all methods (except KM, DL/2, and ROS Methods),  
 Observations < Largest ND are treated as NDs

Number treated as Non-Detect	12
Number treated as Detected	21
Single DL Non-Detect Percentage	36.36%

**UCL Statistics**

**Normal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.463
5% Shapiro Wilk Critical Value	0.908

**Data not Normal at 5% Significance Level**

**Lognormal Distribution Test with Detected Values Only**

Shapiro Wilk Test Statistic	0.88
5% Shapiro Wilk Critical Value	0.908

**Data not Lognormal at 5% Significance Level**

**Assuming Normal Distribution**

DL/2 Substitution Method	
Mean	290.6
SD	831
95% DL/2 (t) UCL	535.7

Maximum Likelihood Estimate(MLE) Method N/A

**MLE yields a negative mean**

**Assuming Lognormal Distribution**

DL/2 Substitution Method	
Mean	3.409
SD	2.304
95% H-Stat (DL/2) UCL	2503

Log ROS Method

Mean in Log Scale	3.671
SD in Log Scale	2.042
Mean in Original Scale	291.8
SD in Original Scale	830.6
95% t UCL	536.7
95% Percentile Bootstrap UCL	526.2
95% BCA Bootstrap UCL	704.2
95% H-UCL	1299

**Gamma Distribution Test with Detected Values Only**

k star (bias corrected)	0.48
Theta Star	949.5
nu star	20.15

A-D Test Statistic	2.025
5% A-D Critical Value	0.803
K-S Test Statistic	0.803
5% K-S Critical Value	0.2

**Data not Gamma Distributed at 5% Significance Level**

**Assuming Gamma Distribution**

Gamma ROS Statistics using Extrapolated Data

Minimum	0.000001
Maximum	4500
Mean	289.8
Median	40
SD	831.3
k star	0.117
Theta star	2477
Nu star	7.722
AppChi2	2.575

95% Gamma Approximate UCL (Use when n >= 40)	869.1
95% Adjusted Gamma UCL (Use when n < 40)	923.2

**Note: DL/2 is not a recommended method.**

**Data Distribution Test with Detected Values Only**

**Data do not follow a Discernable Distribution (0.05)**

**Nonparametric Statistics**

Kaplan-Meier (KM) Method	
Mean	301.1
SD	814.7
SE of Mean	145.3
95% KM (t) UCL	547.3
95% KM (z) UCL	540.2
95% KM (jackknife) UCL	544.4
95% KM (bootstrap t) UCL	1128
95% KM (BCA) UCL	604.7
95% KM (Percentile Bootstrap) UCL	566.5
95% KM (Chebyshev) UCL	934.6
97.5% KM (Chebyshev) UCL	1209
99% KM (Chebyshev) UCL	1747

**Potential UCLs to Use**

97.5% KM (Chebyshev) UCL	1209
--------------------------	------

**Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL. These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). For additional insight, the user may want to consult a statistician.**

# **APPENDIX C ADULT LEAD MODELS**



## Calculations of Blood Lead Concentrations (PbBs)

U.S. EPA Technical Review Workgroup for Lead, Adult Lead Committee

Version date 6/21/09

EDIT RED CELLS

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 1999-2004	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
PbS	Soil lead concentration	ug/g or ppm	1220	1220
$R_{\text{fetal/maternal}}$	Fetal/maternal PbB ratio	--	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4
$GSD_i$	Geometric standard deviation PbB	--	1.8	2.1
$PbB_0$	Baseline PbB	ug/dL	1.0	1.5
$IR_S$	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050
$IR_{S+D}$	Total ingestion rate of outdoor soil and indoor dust	g/day	--	--
$W_S$	Weighting factor; fraction of $IR_{S+D}$ ingested as outdoor soil	--	--	--
$K_{SD}$	Mass fraction of soil in dust	--	--	--
$AF_{S,D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12
$EF_{S,D}$	Exposure frequency (same for soil and dust)	days/yr	60	60
$AT_{S,D}$	Averaging time (same for soil and dust)	days/yr	365	365
$PbB_{\text{adult}}$	<b>PbB of adult worker, geometric mean</b>	<b>ug/dL</b>	<b>1.5</b>	<b>2.0</b>
$PbB_{\text{fetal}, 0.95}$	95th percentile PbB among fetuses of adult workers	ug/dL	3.5	6.0
$PbB_t$	Target PbB level of concern (e.g., 10 ug/dL)	ug/dL	10.0	10.0
$P(PbB_{\text{fetal}} > PbB_t)$	<b>Probability that fetal PbB &gt; <math>PbB_t</math>, assuming lognormal distribution</b>	<b>%</b>	<b>0.0%</b>	<b>1.0%</b>

Source: U.S. EPA (1996). Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil

## Calculations of Preliminary Remediation Goals (PRGs)

U.S. EPA Technical Review Workgroup for Lead, Adult Lead Committee

Version date 6/21/09

**EDIT RED CELLS**

Variable	Description of Variable	Units	GSDi and PbBo from Analysis of NHANES 1999-2004	GSDi and PbBo from Analysis of NHANES III (Phases 1&2)
$PbB_{fetal, 0.95}$	95 <sup>th</sup> percentile PbB in fetus	ug/dL	<b>10</b>	<b>10</b>
$R_{fetal/maternal}$	Fetal/maternal PbB ratio	--	0.9	0.9
BKSF	Biokinetic Slope Factor	ug/dL per ug/day	0.4	0.4
$GSD_i$	Geometric standard deviation PbB	--	<b>1.8</b>	<b>2.1</b>
$PbB_0$	Baseline PbB	ug/dL	<b>1.0</b>	<b>1.5</b>
$IR_S$	Soil ingestion rate (including soil-derived indoor dust)	g/day	0.050	0.050
$AF_{S, D}$	Absorption fraction (same for soil and dust)	--	0.12	0.12
$EF_{S, D}$	Exposure frequency (same for soil and dust)	days/yr	60	60
$AT_{S, D}$	Averaging time (same for soil and dust)	days/yr	365	365
<b>PRG</b>		<b>ppm</b>	<b>8,175</b>	<b>4,509</b>

# APPENDIX D

## RAIS RISK CALCULATIONS





## Excavation Worker Equation Inputs for Soil - SWMU 1&3

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ew</sub> (averaging time - excavation worker)	365
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
ET <sub>ew</sub> (exposure time - excavation worker) hr	8
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 09NOV2011:23:17:27

## Excavation Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Inhalation Unit Risk (ug/m <sup>3</sup> ) <sup>-1</sup>
Benz[a]anthracene	-		-		7.30E-01	Surroga	1.10E-04
Benzo[a]pyrene	-		-		7.30E+00	IRIS	1.10E-03
Benzo[b]fluoranthene	-		-		7.30E-01	Surroga	1.10E-04
Copper	4.00E-02	HEAST	-		-		-
Dibenz[a,h]anthracene	-		-		7.30E+00	Surroga	1.20E-03
Indeno[1,2,3-cd]pyrene	-		-		7.30E-01	Surroga	1.10E-04
<i>*Total Risk/HI</i>	-		-		-		-

Output generated 09NOV2011:23:17:27





Inhalation HQ	Dermal HQ	Total HI	Ingestion Risk	Inhalation Risk	Dermal Risk	Total Risk
-	-	-	1.37E-08	1.15E-13	3.56E-09	1.72E-08
-	-	-	4.11E-07	3.46E-12	1.07E-07	5.18E-07
-	-	-	3.24E-08	2.72E-13	8.42E-09	4.08E-08
-	-	9.59E-01	-	-	-	-
-	-	-	6.13E-08	5.62E-13	1.59E-08	7.72E-08
-	-	-	5.42E-09	4.56E-14	1.41E-09	6.83E-09
-	-	9.59E-01	5.24E-07	4.45E-12	1.36E-07	6.60E-07

## Outdoor Worker Equation Inputs for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ow</sub> (averaging time - outdoor worker)	365
EF <sub>ow</sub> (exposure frequency - outdoor worker) day/yr	250
ED <sub>ow</sub> (exposure duration - outdoor worker) yr	25
ET <sub>ow</sub> (exposure time - outdoor worker) hr	8
LT (lifetime) yr	70
BW <sub>ow</sub> (body weight - outdoor worker)	70
IR <sub>ow</sub> (soil ingestion rate - outdoor worker) mg/day	100
SA <sub>ow</sub> (surface area - outdoor worker) cm <sup>2</sup> /day	3300
AF <sub>ow</sub> (skin adherence factor - outdoor worker) mg/cm <sup>2</sup>	0.2

Output generated 17NOV2011:06:15:34

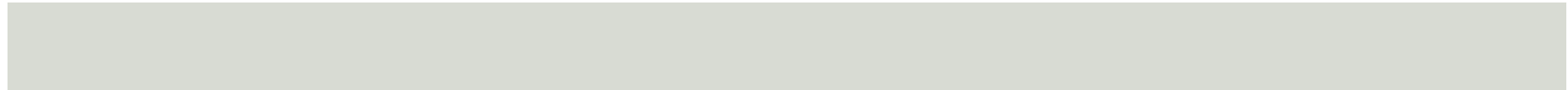
## Outdoor Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Inhalation Unit Risk (ug/m <sup>3</sup> ) <sup>-1</sup>	IUR Reference
e	-		-		7.30E-01	Surroga	1.10E-04	CALEPA
Benzo[a]pyrene	-		-		7.30E+00	IRIS	1.10E-03	CALEPA
ene	-		-		7.30E-01	Surroga	1.10E-04	CALEPA
cene	-		-		7.30E+00	Surroga	1.20E-03	CALEPA
cd]pyrene	-		-		7.30E-01	Surroga	1.10E-04	CALEPA
<i>*Total Risk/HI</i>	-		-		-		-	

Output generated 17NOV2011:06:15:34





ABS <sub>gi</sub>	ABS <sub>d</sub>	D <sub>ia</sub>	D <sub>iw</sub>	H'	K <sub>d</sub>	Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)
1	0.13	5.09E-02	5.94E-06	4.91E-04	-	-	1.27E+09	-
1	0.13	4.76E-02	5.56E-06	1.87E-05	-	-	1.27E+09	-
1	0.13	4.76E-02	5.56E-06	2.69E-05	-	-	1.27E+09	-
1	0.13	4.46E-02	5.21E-06	5.76E-06	-	-	1.27E+09	-
1	0.13	4.48E-02	5.23E-06	1.42E-05	-	-	1.27E+09	-
-	-	-	-	-	-	-	-	-





Inhalation HQ	Dermal HQ	Total HI	Ingestion Risk	Inhalation Risk	Dermal Risk	Total Risk
-	-	-	7.58E-07	2.10E-11	6.50E-07	1.41E-06
-	-	-	2.22E-05	6.15E-10	1.90E-05	4.12E-05
-	-	-	2.62E-06	7.28E-11	2.25E-06	4.87E-06
-	-	-	3.09E-06	9.35E-11	2.65E-06	5.74E-06
-	-	-	2.93E-07	8.14E-12	2.52E-07	5.45E-07
-	-	-	2.89E-05	8.11E-10	2.48E-05	5.38E-05

## Outdoor Worker Equation Inputs for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ow</sub> (averaging time - outdoor worker)	365
EF <sub>ow</sub> (exposure frequency - outdoor worker) day/yr	219
ED <sub>ow</sub> (exposure duration - outdoor worker) yr	9
ET <sub>ow</sub> (exposure time - outdoor worker) hr	8
LT (lifetime) yr	70
BW <sub>ow</sub> (body weight - outdoor worker)	70
IR <sub>ow</sub> (soil ingestion rate - outdoor worker) mg/day	100
SA <sub>ow</sub> (surface area - outdoor worker) cm <sup>2</sup> /day	3300
AF <sub>ow</sub> (skin adherence factor - outdoor worker) mg/cm <sup>2</sup>	0.2
City (Climate Zone) PEF Selection	Philadelphia, P
A <sub>s</sub> (acres) PEF Selection	0.5
Q/C <sub>wp</sub> (g/m <sup>2</sup> -s per kg/m <sup>3</sup> ) PEF Selection	87.36898
V (fraction of vegetative cover) unitless	0.5
U <sub>m</sub> (mean annual wind speed) m/s	4.69
U <sub>t</sub> (equivalent threshold value)	11.32
F(x) (function dependant on U <sub>m</sub> /U <sub>t</sub> ) unitless	0.194
City (Climate Zone) VF Selection	Philadelphia, P
A <sub>s</sub> (acres) VF Selection	0.5
Q/C <sub>wp</sub> (g/m <sup>2</sup> -s per kg/m <sup>3</sup> ) VF Selection	87.36898
foc (fraction organic carbon in soil) g/g	0.006
&rho; <sub>b</sub> (dry soil bulk density) g/cm <sup>3</sup>	1.5
&rho; <sub>s</sub> (soil particle density) g/cm <sup>3</sup>	2.65
&theta; <sub>w</sub> (water-filled soil porosity) L <sub>water</sub> /L <sub>soil</sub>	0.15
T (exposure interval) s	950000000

Output generated 22AUG2012:17:15:31

## Outdoor Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Inhalation Unit Risk (ug/m <sup>3</sup> ) <sup>-1</sup>
Benz[a]anthracene	-		-		7.30E-01	Surroga	1.10E-04
Benzo[a]pyrene	-		-		7.30E+00	IRIS	1.10E-03
Benzo[b]fluoranthene	-		-		7.30E-01	Surroga	1.10E-04
Dibenz[a,h]anthracene	-		-		7.30E+00	Surroga	1.20E-03
Indeno[1,2,3-cd]pyrene	-		-		7.30E-01	Surroga	1.10E-04
<i>*Total Risk/HI</i>	-		-		-		-

Output generated 22AUG2012:17:15:31

IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	D <sub>ia</sub>	D <sub>iw</sub>	H'	K <sub>d</sub>	Volatilization Factor (m <sup>3</sup> /kg)
CALEPA	1	0.13	5.09E-02	5.94E-06	4.91E-04	-	-
CALEPA	1	0.13	4.76E-02	5.56E-06	1.87E-05	-	-
CALEPA	1	0.13	4.76E-02	5.56E-06	2.69E-05	-	-
CALEPA	1	0.13	4.46E-02	5.21E-06	5.76E-06	-	-
CALEPA	1	0.13	4.48E-02	5.23E-06	1.42E-05	-	-
	-	-	-	-	-	-	-



Dermal Carcinogenic CDI	Ingestion HQ	Inhalation HQ	Dermal HQ	Total HI	Ingestion Risk	Inhalation Risk	Dermal Risk	Total Risk
2.04E-07	-	-	-	-	1.74E-07	4.82E-12	1.49E-07	3.23E-07
1.58E-07	-	-	-	-	1.34E-06	3.73E-11	1.15E-06	2.50E-06
1.45E-07	-	-	-	-	1.23E-07	3.42E-12	1.06E-07	2.29E-07
7.75E-08	-	-	-	-	6.60E-07	2.00E-11	5.66E-07	1.23E-06
9.46E-08	-	-	-	-	8.04E-08	2.23E-12	6.90E-08	1.49E-07
-	-	-	-	-	2.38E-06	6.78E-11	2.04E-06	4.42E-06



## Excavation Worker Equation Inputs for Soil - SWMU 4

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ew</sub> (averaging time - excavation worker)	365
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
ET <sub>ew</sub> (exposure time - excavation worker) hr	8
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 09NOV2011:23:14:29

## Excavation Worker RISK for Soil

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference
Benzo[a]pyrene	-		-		7.30E+00	IRIS
<i>*Total Risk/HI</i>	-		-		-	

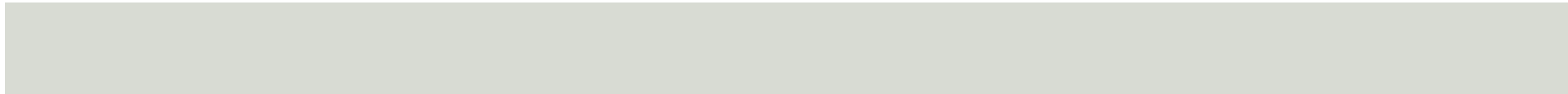
Output generated 09NOV2011:23:14:29

Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ ) <sup>-1</sup>	IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	D <sub>ia</sub>	D <sub>iw</sub>	H'	K <sub>d</sub>
1.10E-03	CALEPA	1	0.13	4.76E-02	5.56E-06	1.87E-05	-
-		-	-	-	-	-	-



Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Noncarcinogenic CDI
-	1.27E+09	-	0.264	2.05E-07	1.14E-11
-	-	-	-	-	-





Dermal Noncarcinogenic CDI	Ingestion Carcinogenic CDI	Inhalation Carcinogenic CDI	Dermal Carcinogenic CDI	Ingestion HQ	Inhalation HQ	Dermal HQ	Total HI
5.32E-08	2.92E-09	1.63E-10	7.60E-10	-	-	-	-
-	-	-	-	-	-	-	-





Ingestion Risk	Inhalation Risk	Dermal Risk	Total Risk
2.13E-08	1.79E-13	5.55E-09	2.69E-08
<i>2.13E-08</i>	<i>1.79E-13</i>	<i>5.55E-09</i>	<i>2.69E-08</i>



## Outdoor Worker Equation Inputs for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ow</sub> (averaging time - outdoor worker)	365
EF <sub>ow</sub> (exposure frequency - outdoor worker) day/yr	250
ED <sub>ow</sub> (exposure duration - outdoor worker) yr	25
ET <sub>ow</sub> (exposure time - outdoor worker) hr	8
LT (lifetime) yr	70
BW <sub>ow</sub> (body weight - outdoor worker)	70
IR <sub>ow</sub> (soil ingestion rate - outdoor worker) mg/day	100
SA <sub>ow</sub> (surface area - outdoor worker) cm <sup>2</sup> /day	3300
AF <sub>ow</sub> (skin adherence factor - outdoor worker) mg/cm <sup>2</sup>	0.2

Output generated 17NOV2011:06:20:49

## Outdoor Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Inhalation Unit Risk (ug/m <sup>3</sup> ) <sup>-1</sup>
Benzo[a]pyrene	-	-	-	-	7.30E+00	IRIS	1.10E-03
<i>*Total Risk/HI</i>	-	-	-	-	-	-	-

Output generated 17NOV2011:06:20:49





IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	D <sub>ia</sub>	D <sub>iw</sub>	H'	K <sub>d</sub>	Volatilization Factor (m <sup>3</sup> /kg)
CALEPA	1	0.13	4.76E-02	5.56E-06	1.87E-05	-	-
	-	-	-	-	-	-	-



Particulate Emission Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Noncarcinogenic CDI	Dermal Noncarcinogenic CDI
1.27E+09	-	0.4	3.91E-07	7.21E-11	3.36E-07
-	-	-	-	-	-



Ingestion Carcinogenic CDI	Inhalation Carcinogenic CDI	Dermal Carcinogenic CDI	Ingestion HQ	Inhalation HQ	Dermal HQ	Total HI
1.40E-07	2.58E-08	1.20E-07	-	-	-	-
-	-	-	-	-	-	-





Ingestion Risk	Inhalation Risk	Dermal Risk	Total Risk
1.02E-06	2.83E-11	8.76E-07	1.90E-06
1.02E-06	2.83E-11	8.76E-07	1.90E-06



## Excavation Worker Equation Inputs for Soil - Lead - SWMU 5

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ew</sub> (averaging time - excavation worker)	365
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
ET <sub>ew</sub> (exposure time - excavation worker) hr	8
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 09NOV2011:23:28:25

## Excavation Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference
Lead and Compounds	-		-		8.50E-03	CALEPA
<i>*Total Risk/HI</i>	-		-		-	

Output generated 09NOV2011:23:28:25



Inhalation Unit Risk (ug/m <sup>3</sup> ) <sup>-1</sup>	IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	D <sub>ia</sub>	D <sub>iw</sub>	H`	K <sub>d</sub>
1.20E-05	CALEPA	1	-	-	-	-	900
-		-	-	-	-	-	-



Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Noncarcinogenic CDI
-	1.27E+09	-	298.1	2.31E-04	1.29E-08
-	-	-	-	-	-







Inhalation Risk	Dermal Risk	Total Risk
2.21E-12	-	2.81E-08
<i>2.21E-12</i>	-	<i>2.81E-08</i>



## Excavation Worker Equation Inputs for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ew</sub> (averaging time - excavation worker)	365
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
ET <sub>ew</sub> (exposure time - excavation worker) hr	8
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 09NOV2011:23:22:08

## Excavation Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference
Benz[a]anthracene	-		-		7.30E-01	Surroga
Benzo[a]pyrene	-		-		7.30E+00	IRIS
Benzo[b]fluoranthene	-		-		7.30E-01	Surroga
Dibenz[a,h]anthracene	-		-		7.30E+00	Surroga
Hexachlorobenzene	8.00E-04	IRIS	-		1.60E+00	IRIS
Indeno[1,2,3-cd]pyrene	-		-		7.30E-01	Surroga
Polychlorinated Biphenyls (high risk)	-		-		2.00E+00	IRIS
<i>*Total Risk/HI</i>	-		-		-	

Output generated 09NOV2011:23:22:08

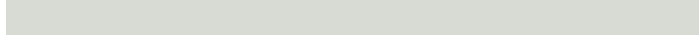


Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Noncarcinogenic CDI	Dermal Noncarcinogenic CDI
-	1.27E+09	-	6.258	4.85E-06	2.71E-10	1.26E-06
-	1.27E+09	-	3.165	2.45E-06	1.37E-10	6.38E-07
-	1.27E+09	-	4.039	3.13E-06	1.75E-10	8.14E-07
-	1.27E+09	-	0.228	1.77E-07	9.86E-12	4.59E-08
-	1.27E+09	-	107.2	8.31E-05	4.64E-09	1.66E-05
-	1.27E+09	-	0.707	5.48E-07	3.06E-11	1.42E-07
-	1.27E+09	-	0.437	3.39E-07	1.89E-11	9.48E-08
-	-	-	-	-	-	-

Ingestion Carcinogenic CDI	Inhalation Carcinogenic CDI	Dermal Carcinogenic CDI	Ingestion HQ	Inhalation HQ	Dermal HQ	Total HI	Ingestion Risk
6.93E-08	3.87E-09	1.80E-08	-	-	-	-	5.06E-08
3.50E-08	1.96E-09	9.11E-09	-	-	-	-	2.56E-07
4.47E-08	2.50E-09	1.16E-08	-	-	-	-	3.26E-08
2.52E-09	1.41E-10	6.56E-10	-	-	-	-	1.84E-08
1.19E-06	6.63E-08	2.37E-07	1.04E-01	-	2.08E-02	1.25E-01	1.90E-06
7.83E-09	4.37E-10	2.04E-09	-	-	-	-	5.71E-09
4.84E-09	2.70E-10	1.35E-09	-	-	-	-	9.68E-09
-	-	-	1.04E-01	-	2.08E-02	1.25E-01	2.27E-06



Inhalation Risk	Dermal Risk	Total Risk
4.25E-13	1.31E-08	6.37E-08
2.15E-12	6.65E-08	3.22E-07
2.75E-13	8.49E-09	4.11E-08
1.69E-13	4.79E-09	2.32E-08
3.05E-11	3.80E-07	2.28E-06
4.81E-14	1.49E-09	7.20E-09
1.54E-13	2.71E-09	1.24E-08
<i>3.37E-11</i>	<i>4.77E-07</i>	<i>2.75E-06</i>





## Outdoor Worker Equation Inputs for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ow</sub> (averaging time - outdoor worker)	365
EF <sub>ow</sub> (exposure frequency - outdoor worker) day/yr	250
ED <sub>ow</sub> (exposure duration - outdoor worker) yr	25
ET <sub>ow</sub> (exposure time - outdoor worker) hr	8
LT (lifetime) yr	70
BW <sub>ow</sub> (body weight - outdoor worker)	70
IR <sub>ow</sub> (soil ingestion rate - outdoor worker) mg/day	100
SA <sub>ow</sub> (surface area - outdoor worker) cm <sup>2</sup> /day	3300
AF <sub>ow</sub> (skin adherence factor - outdoor worker) mg/cm <sup>2</sup>	0.2

Output generated 17NOV2011:06:24:11

## Outdoor Worker RISK for Soil

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference
Benzo[a]pyrene	-		-		7.30E+00	IRIS
Benzo[b]fluoranthene	-		-		7.30E-01	Surroga
Dibenz[a,h]anthracene	-		-		7.30E+00	Surroga
Polychlorinated Biphenyls (high risk)	-		-		2.00E+00	IRIS
<i>*Total Risk/HI</i>	-		-		-	

Output generated 17NOV2011:06:24:11



Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Soil Saturation Concentration (mg/kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Noncarcinogenic CDI	Dermal Noncarcinogenic CDI
-	1.27E+09	-	0.74	7.24E-07	1.33E-10	6.21E-07
-	1.27E+09	-	1.31	1.28E-06	2.36E-10	1.10E-06
-	1.27E+09	-	0.22	2.15E-07	3.97E-11	1.85E-07
-	1.27E+09	-	2.18	2.13E-06	3.93E-10	1.97E-06
-	-	-	-	-	-	-





Inhalation Risk	Dermal Risk	Total Risk
5.24E-11	1.62E-06	3.51E-06
9.28E-12	2.87E-07	6.21E-07
1.70E-11	4.82E-07	1.04E-06
8.02E-11	1.41E-06	2.93E-06
1.59E-10	3.80E-06	8.10E-06



## Excavation Worker Equation Inputs for Soil/Sediment - SWMU 18

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 01APR2011:17:02:00

## Excavation Worker RISK for Soil/Sediment

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference
Benzo[a]pyrene	-		7.3	IRIS	-	
*Total Risk/HI	-		-		-	

Output generated 01APR2011:17:02:00



Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	Dia	Diw	H'	Kd
0.0011	CALEPA	1	0.13	-	-	0.0000187	-
-		-	-	-	-	-	-

Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Particulates and Volatiles Noncarcinogenic CDI	Dermal Noncarcinogenic CDI	Ingestion Carcinogenic CDI
-	1270000000	0.23	0.000000178	9.95E-12	4.63E-08	2.55E-09
-	-	-	-	-	-	-

Inhalation Particulates and Volatiles Carcinogenic CDI	Dermal Carcinogenic CDI	Ingestion HQ	Inhalation Particulates and Volatiles HQ	Dermal HQ	Total HI	Ingestion Risk
1.42E-10	6.62E-10	-	-	-	-	1.86E-08
-	-	-	-	-	-	<i>1.86E-08</i>

Inhalation Particulates and Volatiles Risk	Dermal Risk	Total Risk
1.56E-13	4.83E-09	2.34E-08
<i>1.56E-13</i>	<i>4.83E-09</i>	<i>2.34E-08</i>

## Excavation Worker Equation Inputs for Ambient Air - SWMU 18

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
LT (lifetime) yr	70
ET <sub>ew</sub> (exposure time - excavation worker) hr	8

Output generated 01APR2011:17:02:00

## Excavation Worker RISK for Ambient Air

Chemical	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	Chronic RfC ( $\text{mg}/\text{m}^3$ )	RfC Reference	Concentration ( $\mu\text{g}/\text{m}^3$ )	Inhalation Ambient Air Noncarcinogenic CDI
Benzo[a]pyrene	0.0011	CALEPA	-		-	-
*Total Risk/HI	-		-		-	-

Output generated 01APR2011:17:02:00

Inhalation Ambient Air Carcinogenic CDI	Inhalation Ambient Air HQ	Inhalation Ambient Air Risk
-	-	-
-	-	-

## Worker Equation Inputs for Soil/Sediment - SWMU 18

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ow</sub> (exposure frequency - outdoor worker) day/yr	250
ED <sub>ow</sub> (exposure duration - outdoor worker) yr	25
LT (lifetime) yr	70
BW <sub>ow</sub> (body weight - outdoor worker)	70
IR <sub>ow</sub> (soil ingestion rate - outdoor worker) mg/day	100
SA <sub>ow</sub> (surface area - outdoor worker) cm <sup>2</sup> /day	3300
AF <sub>ow</sub> (skin adherence factor - outdoor worker) mg/cm <sup>2</sup>	0.2

Output generated 01APR2011:20:37:44



**Worker RISK for Soil/Sediment**

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Chronic RfC (mg/m <sup>3</sup> )
Benzo[a]pyrene	-		7.3	IRIS	-
*Total Risk/HI	-		-		-

Output generated 01APR2011:20:37:44

RfC Reference	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	$\text{ABS}_{\text{gi}}$	$\text{ABS}_{\text{d}}$	Dia
	0.0011	CALEPA	1	0.13	-
	-		-	-	-

Diw	H'	Kd	Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Concentration (mg/kg)
-	0.0000187	-	-	1270000000	0.23
-	-	-	-	-	-

Ingestion Noncarcinogenic CDI	Inhalation Particulates and Volatiles Noncarcinogenic CDI	Dermal Noncarcinogenic CDI	Ingestion Carcinogenic CDI	Inhalation Particulates and Volatiles Carcinogenic CDI	Dermal Carcinogenic CDI
0.000000225	4.15E-11	0.000000193	8.04E-08	1.48E-08	0.000000069
-	-	-	-	-	-

Ingestion HQ	Inhalation Particulates and Volatiles HQ	Dermal HQ	Total HI	Ingestion Risk	Inhalation Particulates and Volatiles Risk
-	-	-	-	0.000000587	1.63E-11
-	-	-	-	<i>0.000000587</i>	<i>1.63E-11</i>

Dermal Risk	Total Risk
0.000000503	0.00000109
<i>0.000000503</i>	<i>0.00000109</i>

## Worker Equation Inputs for Ambient Air - SWMU 18

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ow</sub> (exposure frequency - outdoor worker) day/yr	250
ED <sub>ow</sub> (exposure duration - outdoor worker) yr	25
LT (lifetime) yr	70
ET <sub>ow</sub> (exposure time - outdoor worker) hr	8

Output generated 01APR2011:20:37:44

## Worker RISK for Ambient Air

Chemical	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	Chronic RfC ( $\text{mg}/\text{m}^3$ )	RfC Reference	Concentration ( $\mu\text{g}/\text{m}^3$ )	Inhalation Ambient Air Noncarcinogenic CDI
Benzo[a]pyrene	0.0011	CALEPA	-		-	-
*Total Risk/HI	-		-		-	-

Output generated 01APR2011:20:37:44



Inhalation Ambient Air Carcinogenic CDI	Inhalation Ambient Air HQ	Inhalation Ambient Air Risk
-	-	-
-	-	-

## Excavation Worker Equation Inputs for Soil - SWMU 20

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
TR (target cancer risk) unitless	0.000001
THQ (target hazard quotient) unitless	1
AT <sub>ew</sub> (averaging time - excavation worker)	365
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
ET <sub>ew</sub> (exposure time - excavation worker) hr	8
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 21NOV2011:13:42:11

## Excavation Worker RISK for Soil

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Chronic RfC (mg/m3)	RfC Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Inhalation Unit Risk (µg/m3) <sup>-1</sup>
Total Petroleum Hydrocarbons (Aliphatic High)	2.00E+00	USER	-	-	-	-	-
<i>*Total Risk/HI</i>	-	-	-	-	-	-	-

Output generated 21NOV2011:13:42:11



IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	Dia	Diw	H'	Kd	Volatilization Factor (m <sup>3</sup> /kg)
	1	0.1	-	-	-	-	-
	-	-	-	-	-	-	-





Dermal Carcinogenic CDI	Ingestion HQ	Inhalation HQ	Dermal HQ	Total HI	Ingestion Risk	Inhalation Risk	Dermal Risk	Total Risk
2.68E-06	4.68E-04	-	9.37E-05	5.62E-04	-	-	-	-
-	<i>4.68E-04</i>	-	<i>9.37E-05</i>	<i>5.62E-04</i>	-	-	-	-

## Excavation Worker Equation Inputs for Soil/Sediment - SWMU 23

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

Output generated 01APR2011:21:28:59

## Excavation Worker RISK for Soil/Sediment

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Chronic RfC (mg/m <sup>3</sup> )
Arsenic, Inorganic	0.0003	IRIS	1.5	IRIS	0.000015
Polychlorinated Biphenyls (high risk)	-		2	IRIS	-
*Total Risk/HI	-		-		-

Output generated 01APR2011:21:28:59



RfC Reference	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	ABS <sub>gi</sub>	ABS <sub>d</sub>	Dia	Diw	H`
CALEPA	0.0043	IRIS	1	0.03	-	-	-
	0.000571	IRIS	1	0.14	-	-	0.0077678
	-		-	-	-	-	-

Kd	Volatilization Factor (m <sup>3</sup> /kg)	Particulate Emission Factor (m <sup>3</sup> /kg)	Concentration (mg/kg)	Ingestion Noncarcinogenic CDI	Inhalation Particulates and Volatiles Noncarcinogenic CDI	Dermal Noncarcinogenic CDI
29	-	1270000000	13.4	0.0000104	5.8E-10	0.000000623
-	-	1270000000	0.952387	0.000000738	4.12E-11	0.000000207
-	-	-	-	-	-	-

Ingestion Carcinogenic CDI	Inhalation Particulates and Volatiles Carcinogenic CDI	Dermal Carcinogenic CDI	Ingestion HQ	Inhalation Particulates and Volatiles HQ	Dermal HQ	Total HI	Ingestion Risk
0.000000148	8.28E-09	8.9E-09	0.0346	0.0000386	0.00208	0.0367	0.000000223
1.05E-08	5.89E-10	2.95E-09	-	-	-	-	2.11E-08
-	-	-	0.0346	0.0000386	0.00208	0.0367	0.000000244

Inhalation Particulates and Volatiles Risk	Dermal Risk	Total Risk
3.56E-11	1.34E-08	0.000000236
3.36E-13	5.9E-09	0.000000027
<i>3.59E-11</i>	<i>1.93E-08</i>	<i>0.000000263</i>

## Excavation Worker Equation Inputs for Ambient Air - SWMU 23

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
LT (lifetime) yr	70
ET <sub>ew</sub> (exposure time - excavation worker) hr	8

Output generated 01APR2011:21:28:59

## Excavation Worker RISK for Ambient Air

Chemical	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	Chronic RfC ( $\text{mg}/\text{m}^3$ )	RfC Reference	Concentration ( $\mu\text{g}/\text{m}^3$ )
Arsenic, Inorganic	0.0043	IRIS	0.000015	CALEPA	-
Polychlorinated Biphenyls (high risk)	0.000571	IRIS	-		-
*Total Risk/HI	-		-		-

Output generated 01APR2011:21:28:59

Inhalation Ambient Air Noncarcinogenic CDI	Inhalation Ambient Air Carcinogenic CDI	Inhalation Ambient Air HQ	Inhalation Ambient Air Risk
-	-	-	-
-	-	-	-
-	-	-	-

## Excavation Worker Equation Inputs for Soil/Sediment - SWMU 27

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
LT (lifetime) yr	70
BW <sub>ew</sub> (body weight - excavation worker) kg	70
IR <sub>ew</sub> (soil ingestion rate - excavation worker) mg/day	330
SA <sub>ew</sub> (surface area - excavation worker) cm <sup>2</sup> /day	3300
AF <sub>ew</sub> (skin adherence factor - excavation worker) mg/cm <sup>2</sup>	0.2

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## Excavation Worker RISK for Soil/Sediment

Chemical	Chronic RfD (mg/kg-day)	RfD Reference	Ingestion SF (mg/kg-day) <sup>-1</sup>	SFO Reference	Chronic RfC (mg/m <sup>3</sup> )	RfC Reference	Inhalation Unit Risk (µg/m <sup>3</sup> ) <sup>-1</sup>
Benzo[a]pyrene	-		7.3	IRIS	-		0.0011
*Total Risk/HI	-		-		-		-

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Inhalation Particulates and Volatiles HQ	Dermal HQ	Total HI	Ingestion Risk	Inhalation Particulates and Volatiles Risk	Dermal Risk	Total Risk
-	-	-	2.42E-08	2.04E-13	6.3E-09	3.05E-08
-	-	-	<i>2.42E-08</i>	<i>2.04E-13</i>	<i>6.3E-09</i>	<i>3.05E-08</i>

## Excavation Worker Equation Inputs for Ambient Air - SWMU 27

Risk Analysis, DuPont Edge Moor Site, Edgemoor, Delaware

Variable	Value
EF <sub>ew</sub> (exposure frequency - excavation worker) day/yr	60
ED <sub>ew</sub> (exposure duration - excavation worker) yr	1
LT (lifetime) yr	70
ET <sub>ew</sub> (exposure time - excavation worker) hr	8

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## Excavation Worker RISK for Ambient Air

Chemical	Inhalation Unit Risk ( $\mu\text{g}/\text{m}^3$ )-1	IUR Reference	Chronic RfC ( $\text{mg}/\text{m}^3$ )	RfC Reference	Concentration ( $\mu\text{g}/\text{m}^3$ )	Inhalation Ambient Air Noncarcinogenic CDI
Benzo[a]pyrene	0.0011	CALEPA	-		-	-
*Total Risk/HI	-		-		-	-

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Inhalation Ambient Air Carcinogenic CDI	Inhalation Ambient Air HQ	Inhalation Ambient Air Risk
-	-	-
-	-	-

**Appendix D-2**  
**Groundwater Carcinogenic and Noncarcinogenic Risk Estimates -- Construction Worker**  
**Incidental Ingestion and Dermal Contact with Groundwater**

Risk Analysis  
 DuPont Edge Moor Site, Edgemoor, Delaware

Exposure Assumptions				Risk and Hazard Equations									
Receptor				Groundwater Carcinogenic and Noncarcinogenic Risk Estimates -- Construction Worker									
Concentration in Groundwater (C <sub>gw</sub> )				chemical-specific mg/L									
Exposure Frequency (EF)				60 days/yr									
Exposure Duration (ED)				1 yrs									
Skin Surface Area, Carcinogens (SA)				3,300 cm <sup>2</sup>									
Groundwater Ingestion Rate (IW)				10 mL/hr									
Permeability Constant (PC)				chemical-specific cm/hr									
Averaging Time, Carcinogens (AT <sub>C</sub> )				25,550 days									
Averaging Time, Noncarcinogens (AT <sub>NC</sub> )				365 days									
Body Weight (BW)				70 kg									
Exposure Time, Noncarcinogens (ET)				2 hr/day									
Oral Slope Factor (SF)				chemical-specific (mg/kg-day) <sup>-1</sup>									
Oral Reference Dose (RfD)				chemical-specific mg/kg-day									
Fraction Contacted (FC)				1 unitless									
Conversion Factor (CF)				0.001 L/mL									
				<p align="center"><b>Carcinogenic:</b></p> $Risk = (Intake_{oral} + Intake_{dermal})(SF)$ <p align="center"><b>Noncarcinogenic:</b></p> $HQ = \frac{Intake_{oral} + Intake_{dermal}}{RfD}$ $Intake_{oral} = \frac{(C_{gw})(IW)(EF)(ET)(ED)(FC)(CF)}{(BW)(AT)}$ $Intake_{dermal} = \frac{(C_{gw})(SA)(PC)(ET)(EF)(ED)(FC)(CF)}{(BW)(AT)}$									
Constituents	CAS Number <sup>a/</sup>	PC (cm/hr)	C <sub>gw</sub> (mg/L)	RfD (mg/kg-day) <sup>b/</sup>	SF (mg/kg-day) <sup>-1</sup>	Carcinogens		Noncarcinogens		Risk Calculation			
						Intake <sub>oral</sub> (mg/L)	Intake <sub>dermal</sub> (mg/L)	Intake <sub>oral</sub> (mg/L)	Intake <sub>dermal</sub> (mg/L)	HQ	Risk		
Cobalt	7440-48-4	4.00E-04	6.50E-03	3.00E-04	--	4.36E-09	5.76E-10	3.05E-07	4.03E-08	1.15E-03	--		
Iron	7439-89-6	1.00E-03	3.76E+01	7.00E-01	--	2.52E-05	8.33E-06	1.77E-03	5.83E-04	3.36E-03	--		
Manganese	7439-96-5	1.00E-03	1.02E+01	1.40E-01	--	6.84E-06	2.26E-06	4.79E-04	1.58E-04	4.55E-03	--		
Thallium	7440-28-0	1.00E-03	--	1.00E-05	--	--	--	--	--	--	--		
Total										9.06E-03			

- a) CAS = Chemical Abstracts Service number.
- b) mg/kg-day = milligram per kilogram-day.
- c) Risk Assessment Guidance for Superfund. Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment.
- d) Provisional Peer Reviewed Toxicity Value (PPRTV).
- e) USEPA Integrated Risk Information System (IRIS).
- = toxicity data not available.